



MMS Data Model Report

MMS Data Model v5.2 Oracle

26/05/2023

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2 List of packages

| Name | Code | Use Parent Namespace |
|--------------------------|--------------------------|----------------------|
| CONFIGURATION | CONFIGURATION | X |
| ANCILLARY_SERVICES | ANCILLARY_SERVICES | X |
| ASOFFER | ASOFFER | X |
| BIDS | BIDS | X |
| BILLING_CONFIG | BILLING_CONFIG | X |
| BILLING_RUN | BILLING_RUN | X |
| DEMAND_FORECASTS | DEMAND_FORECASTS | X |
| DISPATCH | DISPATCH | X |
| FORCE_MAJEURE | FORCE_MAJEURE | X |
| GD_INSTRUCT | GD_INSTRUCT | X |
| GENERIC_CONSTRAINT | GENERIC_CONSTRAINT | X |
| IRAUCTION | IRAUCTION | X |
| MARKET_CONFIG | MARKET_CONFIG | X |
| MARKET_NOTICE | MARKET_NOTICE | X |
| METER_DATA | METER_DATA | X |
| MTPASA | MTPASA | X |
| P5MIN | P5MIN | X |
| PARTICIPANT_REGISTRATION | PARTICIPANT_REGISTRATION | X |
| PRE_DISPATCH | PRE_DISPATCH | X |
| RESERVE_DATA | RESERVE_DATA | X |
| SETTLEMENT_CONFIG | SETTLEMENT_CONFIG | X |
| SETTLEMENT_DATA | SETTLEMENT_DATA | X |
| STPASA_SOLUTION | STPASA_SOLUTION | X |

| | | |
|----------------------|----------------------|---|
| TRADING_DATA | TRADING_DATA | X |
| HISTORICAL TABLES | HISTORICAL_TABLES | X |
| PDPASA | PDPASA | X |
| PRUDENTIALS | PRUDENTIALS | X |
| MCC_DISPATCH | MCC_DISPATCH | X |
| NETWORK | NETWORK | X |
| VOLTAGE_INSTRUCTIONS | VOLTAGE_INSTRUCTIONS | X |

3 Description of the model MMS Data Model v5.2 Oracle

Background

The MMS Data Model is the definition of the interface to participants of data published by AEMO from the NEM system. A database conforming to the MMS Data Model can contain a local copy of all current participant-specific data recorded in the main NEM production database. The target databases have been called such names as the Participant Database, the Participant InfoServer and the Replica Database.

The MMS Data Model includes database tables, indexes and primary keys. The model is currently exposed as a physical model, so is different in presentation for each RDBMS. However, the same logical model underlies all the physical models published by AEMO.

The MMS Data Model is the target model for products transferring data from AEMO to each participant. Current product supplied by AEMO for data transfer is Participant Data Replication (PDR), with some support for the superseded Parser.

Compatibility of the transfer products with the MMS Data Model is the responsibility of those products and their configuration. AEMO's intention is to supply the data transfer products pre-configured to deliver data consistent with the MMS Data Model, noting differences where they occur (e.g. for historical reasons).

Entity Diagrams

The entity diagrams show the key columns. Relationships have now been included in many cases.

Note:

The National Electricity Market registration classification of Yarwun Power Station Unit 1 (dispatchable unit ID: YARWUN_1) is market non-scheduled generating unit. However, it is a condition of the registration of this unit that the Registered Participant complies with some of the obligations of a Scheduled Generator. This unit is dispatched as a scheduled generating unit with respect to its dispatch offers, targets and generation outputs. Accordingly, information about YARWUN_1 is reported as scheduled generating unit information.

4 Notes

Each table description has a Note providing some information relevant to the table.

4.1 Visibility

Visibility refers to the nature of confidentiality of data in the table. Each table has one of the following entries, each described here.

Private: meaning the data is confidential to the Participant (e.g. BILLINGFEES).

Public: meaning all Participants have access to the data (e.g. DISPATCHPRICE).

Private, Public Next-Day: meaning the data is confidential until available for public release at beginning of next day (i.e. 4am) (e.g. BIDDAYOFFER).

Private & Public: meaning some items are private and some are public (e.g. MARKETNOTICES).

5 Package: CONFIGURATION

Name CONFIGURATION

Comment MMS Data Model Configuration Management and Control

5.1 List of tables

| Name | Comment |
|----------------------|---|
| MMS_DATA_MODEL_AUDIT | MMS_DATA_MODEL_AUDIT shows the audit trail of scripts applied to this installation of MMS Data Model. Participants should ensure that if a database is cloned the content of this table is copied to the target database. |

5.2 Diagram: Entities: Configuration

MMS_DATA_MODEL_AUDIT
INSTALLATION_DATE
MMSDM_VERSION
INSTALL_TYPE

5.3 Table: MMS_DATA_MODEL_AUDIT

5.3.1 MMS_DATA_MODEL_AUDIT

| | |
|---------|---|
| Name | MMS_DATA_MODEL_AUDIT |
| Comment | MMS_DATA_MODEL_AUDIT shows the audit trail of scripts applied to this installation of MMS Data Model. Participants should ensure that if a database is cloned the content of this table is copied to the target database. |

5.3.2 Description

Source

Delivered within scripts comprising install or updates to the MMS Data Model schema.

Volume

1 record is inserted per release of MMS Data Model managed product

5.3.3 Primary Key Columns

| |
|-------------------|
| Name |
| INSTALL_TYPE |
| INSTALLATION_DATE |
| MMSDM_VERSION |

5.3.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| INSTALLATION_DATE | DATE | X | The date in which the changes to the MMS Data Model were installed |
| MMSDM_VERSION | VARCHAR2(20) | X | The version of MMS Data Model after the script has been applied |
| INSTALL_TYPE | VARCHAR2(10) | X | The type of the patch applied. Valid entries are: FULL, UPGRADE, DML |
| SCRIPT_VERSION | VARCHAR2(20) | | The version of the patch set to the MMS Data Model |

| | | | |
|-------------------|---------------|--|--|
| NEM_CHANGE_NOTICE | VARCHAR2(20) | | The NEM Change notice for which this MMS Data Model applies |
| PROJECT_TITLE | VARCHAR2(200) | | The name of the business project for which these changes to the MMS Data Model apply |
| USERNAME | VARCHAR2(40) | | The USER applying this script |
| STATUS | VARCHAR2(10) | | The status of the upgrade. Valid entries are STARTED, FAILED, SUCCESS |

6 Package: ANCILLARY_SERVICES

Name ANCILLARY_SERVICES
Comment Ancillary Service Contract Data

6.1 List of tables

| Name | Comment |
|-------------------------|--|
| CONTRACTAGC | CONTRACTAGC shows Automatic Generation Control (AGC) contract details for each dispatchable unit. There is a separate contract for each unit. |
| CONTRACTLOADSHED | CONTRACTLOADSHED shows Governor contract details used in the settlement and dispatch of this service. Note: services are dispatched as 6 and 60 raise Frequency Control Ancillary Services (FCAS). Mandatory requirements and breakpoint details are not used for load shed. |
| CONTRACTREACTIVEPOWER | CONTRACTREACTIVEPOWER shows Reactive Power contract details used in the settlement and dispatch of this service. |
| CONTRACTRESTARTSERVICES | CONTRACTRESTARTSERVICES shows Restart Services contract details used in the settlement and dispatch of this service. |
| CONTRACTRESTARTUNITS | CONTRACTRESTARTUNITS shows Restart units provided under a system restart contract. A service can have multiple units. |

6.2 Diagram: Entities: Ancillary Services

CONTRACTREACTIVEPOWER
CONTRACTID
VERSIONNO

CONTRACTLOADSHED
CONTRACTID
VERSIONNO

CONTRACTAGC
CONTRACTID
VERSIONNO

CONTRACTRESTARTSERVICES
CONTRACTID
VERSIONNO

CONTRACTRESTARTUNITS
CONTRACTID
VERSIONNO
DUID



6.3 Table: CONTRACTAGC

6.3.1 CONTRACTAGC

| | |
|---------|---|
| Name | CONTRACTAGC |
| Comment | CONTRACTAGC shows Automatic Generation Control (AGC) contract details for each dispatchable unit. There is a separate contract for each unit. |

6.3.2 Description

CONTRACTAGC data is confidential to the relevant participant.

Source

CONTRACTAGC updates only where there is a contract variation.

6.3.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |
| VERSIONNO |

6.3.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

6.3.5 Index Columns

| |
|---------------|
| Name |
| PARTICIPANTID |
| CONTRACTID |

6.3.6 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|-----------------|--------------|---|-----------------------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| VERSIONNO | NUMBER(3,0) | X | Contract Version No |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | End date of contract |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| CRR | NUMBER(4,0) | | Control Range Raise 5 Min MW |
| CRL | NUMBER(4,0) | | Control Range Lower 5 Min MW |
| RLPRICE | NUMBER(10,2) | | Enabling Price in \$ |
| CCPRICE | NUMBER(10,2) | | Compensation Cap in \$ |
| BS | NUMBER(10,2) | | Block Size |
| AUTHORISED BY | VARCHAR2(15) | | User Name |
| AUTHORISED DATE | DATE | | Date Contract was Authorised |
| LASTCHANGED | DATE | | Last date and time record changed |

6.4 Table: CONTRACTLOADSHED

6.4.1 CONTRACTLOADSHED

| | |
|---------|--|
| Name | CONTRACTLOADSHED |
| Comment | CONTRACTLOADSHED shows Governor contract details used in the settlement and dispatch of this service. Note: services are dispatched as 6 and 60 raise Frequency Control Ancillary Services (FCAS). Mandatory requirements and breakpoint details are not used for load shed. |

6.4.2 Description

CONTRACTLOADSHED data is confidential to the relevant participant.

Source

CONTRACTLOADSHED updates only where there is a contract variation.

6.4.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |
| VERSIONNO |

6.4.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

6.4.5 Index Columns

| |
|---------------|
| Name |
| PARTICIPANTID |

6.4.6 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|---------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |

| | | | |
|-------------------------|--------------|---|--|
| VERSIONNO | NUMBER(3,0) | X | Contract Version No. |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | Termination Date of Contract |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| LSEPRICE | NUMBER(6,2) | | The load shed enabling price for this contract |
| MCPPRICE | NUMBER(12,2) | | Minimum Compensation price |
| TENDEREDPRICE | NUMBER(6,2) | | Price Tendered for Compensation per Trading interval - Not used since 13/12/1998 |
| LSCR | NUMBER(6,2) | | Load Shed Control Range |
| ILSCALINGFACTOR | NUMBER(15,5) | | SPD scaling factor for load shed vs dispatched, (1 = dispatched) |
| LOWER60SECBREAKPOINT | NUMBER(9,6) | | Not used |
| LOWER60SECMAX | NUMBER(9,6) | | Not used |
| LOWER6SECBREAKPOINT | NUMBER(9,6) | | Not used |
| LOWER6SECMAX | NUMBER(9,6) | | Not used |
| RAISE60SECBREAKPOINT | NUMBER(9,6) | | Not used |
| RAISE60SECCAPACITY | NUMBER(9,6) | | Not used |
| RAISE60SECMAX | NUMBER(9,6) | | Maximum 60 second raise |
| RAISE6SECBREAKPOINT | NUMBER(9,6) | | Not used |
| RAISE6SECCAPACITY | NUMBER(9,6) | | Not used |
| RAISE6SECMAX | NUMBER(9,6) | | Limit Equation Raise 6 Second Maximum MW |
| PRICE6SECRAISEMANDATORY | NUMBER(16,6) | | Not used |
| QUANT6SECRAISEMANDATORY | NUMBER(9,6) | | Not used |
| PRICE6SECRAISECONTRACT | NUMBER(16,6) | | Contract Price for 6 Second Raise |

| | | | |
|--------------------------------|--------------|--|--------------------------------------|
| QUANT6SECRAISECONTRACT | NUMBER(9,6) | | Contract Quantity for 6 Second Raise |
| PRICE60SECRAISEMANDATORY | NUMBER(16,6) | | Not used |
| QUANT60SECRAISEMANDATORY | NUMBER(9,6) | | Not used |
| PRICE60SECRAISECONTRACT | NUMBER(16,6) | | Not used |
| QUANT60SECRAISECONTRACT | NUMBER(9,6) | | Not used |
| PRICE6SECLOWERMANDATORY | NUMBER(16,6) | | Not used |
| QUANT6SECLOWERMANDATORY | NUMBER(9,6) | | Not used |
| PRICE6SECLOWERCONTRACT | NUMBER(16,6) | | Not used |
| QUANT6SECLOWERCONTRACT | NUMBER(9,6) | | Not used |
| PRICE60SECLOWERMANDATORY | NUMBER(16,6) | | Not used |
| QUANT60SECLOWERMANDATORY | NUMBER(9,6) | | Not used |
| PRICE60SECLOWERCONTRACT | NUMBER(16,6) | | Not used |
| QUANT60SECLOWERCONTRACT | NUMBER(9,6) | | Not used |
| AUTHORISED BY | VARCHAR2(15) | | User Name |
| AUTHORISED DATE | DATE | | Date Contract was Authorised |
| LAST CHANGED | DATE | | Last date and time record changed |
| DEFAULT_TESTING PAYMENT_AMOUNT | NUMBER(18,8) | | The NMAS default payment amount |
| SERVICE_START_DATE | DATE | | The NMAS Testing Service Start Date |

6.5 Table: CONTRACTREACTIVEPOWER

6.5.1 CONTRACTREACTIVEPOWER

| | |
|---------|--|
| Name | CONTRACTREACTIVEPOWER |
| Comment | CONTRACTREACTIVEPOWER shows Reactive Power contract details used in the settlement and dispatch of this service. |

6.5.2 Description

CONTRACTREACTIVEPOWER data is confidential to the relevant participant.

Source

CONTRACTREACTIVEPOWER updates only where there is a contract variation.

6.5.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |
| VERSIONNO |

6.5.4 Index Columns

| |
|---------------|
| Name |
| PARTICIPANTID |

6.5.5 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

6.5.6 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|---------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |

| | | | |
|-------------------------------|--------------|---|--|
| VERSIONNO | NUMBER(3,0) | X | Contract Version No. |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | Termination Date of Contract |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| SYNCCOMPENSATION | VARCHAR2(1) | | Sync Compensation Flag - Y for SYNCCOMP |
| MVARAPRICE | NUMBER(10,2) | | Availability price per MVar of RP absorption capability |
| MVAREPRICE | NUMBER(10,2) | | Enabling price |
| MVARGPRICE | NUMBER(10,2) | | Availability price per MVar of RP generation capability |
| CCPRICE | NUMBER(10,2) | | Compensation Cap |
| MTA | NUMBER(10,2) | | Reactive Power Absorption Capability (MVar) |
| MTG | NUMBER(10,2) | | Reactive Power Generation Capability (MVar) |
| MMCA | NUMBER(10,2) | | Minimum Capability for MVar Absorption required by Code |
| MMCG | NUMBER(10,2) | | Minimum Capability for MVar Generation required by Code |
| EU | NUMBER(10,2) | | Estimated Power consumption of unit when operating on SYNCCOMP |
| PP | NUMBER(10,2) | | Estimated Price for supply |
| BS | NUMBER(10,2) | | Block Size of Unit |
| AUTHORISED BY | VARCHAR2(15) | | User Name |
| AUTHORISED DATE | DATE | | Date Contract was Authorised |
| LASTCHANGED | DATE | | Last date and time record changed |
| DEFAULT_TESTINGPAYMENT_AMOUNT | NUMBER(18,8) | | The NMAS default payment amount |
| SERVICE_START_DATE | DATE | | The NMAS Testing Service Start Date |

| | | | |
|----------------------------|--------------|--|---|
| AVAILABILITY_MWH_THRESHOLD | NUMBER(18,8) | | The MWh the unit must produce in a trading interval to be eligible for an excess-to-gen availability payment |
| MVAR_THRESHOLD | NUMBER(18,8) | | The threshold value for MegaVar (MVar) to check whether the service is fully available. |
| REBATE_CAP | NUMBER(18,8) | | The maximum capped amount for the rebate payment. |
| REBATE_AMOUNT_PER_MVAR | NUMBER(18,8) | | The per MVAR rebate amount used to calculate the rebate payment. |
| ISREBATEAPPLICABLE | NUMBER(1,0) | | Used to check whether the contract is eligible for rebate. For new NSCAS contracts to apply new payment methodology this flag is 1. |

6.6 Table: CONTRACTRESTARTSERVICES

6.6.1 CONTRACTRESTARTSERVICES

| | |
|---------|--|
| Name | CONTRACTRESTARTSERVICES |
| Comment | CONTRACTRESTARTSERVICES shows Restart Services contract details used in the settlement and dispatch of this service. |

6.6.2 Description

CONTRACTRESTARTSERVICES data is confidential to the participant holding the contract.

Source

CONTRACTRESTARTSERVICES updates only where there is a contract variation.

6.6.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |
| VERSIONNO |

6.6.4 Index Columns

| |
|---------------|
| Name |
| PARTICIPANTID |

6.6.5 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

6.6.6 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|---------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |

| | | | |
|-------------------------------|--------------|---|---|
| VERSIONNO | NUMBER(3,0) | X | Contract Version No. |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | Termination Date of Contract |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| RESTARTTYPE | NUMBER(1,0) | | Restart Type - 0 = BlackStart, 1 = Combination, 2 = Trip To House |
| RCPRICE | NUMBER(6,2) | | Availability Price |
| TRIPTOHOUSELEVEL | NUMBER(5,0) | | Trip To House Level |
| AUTHORISEDDBY | VARCHAR2(15) | | User Name |
| AUTHORISEDDATE | DATE | | Date Contract was Authorised |
| LASTCHANGED | DATE | | Last date and time record changed |
| DEFAULT_TESTINGPAYMENT_AMOUNT | NUMBER(18,8) | | The NMAS default payment amount |
| SERVICE_START_DATE | DATE | | The NMAS Testing Service Start Date |

6.7 Table: CONTRACTRESTARTUNITS

6.7.1 CONTRACTRESTARTUNITS

| | |
|---------|---|
| Name | CONTRACTRESTARTUNITS |
| Comment | CONTRACTRESTARTUNITS shows Restart units provided under a system restart contract. A service can have multiple units. |

6.7.2 Description

CONTRACTRESTARTUNITS data is confidential to each participant with a restart contract.

Source

CONTRACTRESTARTUNITS updates only where there is a contract variation.

6.7.3 Primary Key Columns

Name
 CONTRACTID
 DUID
 VERSIONNO

6.7.4 Index Columns

Name
 LASTCHANGED

6.7.5 Index Columns

Name
 CONTRACTID

6.7.6 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
|------|-----------|-----------|---------|

| | | | |
|-----------------|--------------|---|-----------------------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| VERSIONNO | NUMBER(3,0) | X | Version No of contract |
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |
| LASTCHANGED | DATE | | Last date and time record changed |
| AUTHORISED BY | VARCHAR2(15) | | |
| AUTHORISED DATE | DATE | | |

7 Package: ASOFFER

| | |
|----------------|--|
| <i>Name</i> | ASOFFER |
| <i>Comment</i> | Offer data for Ancillary Service Contracts |

7.1 List of tables

| Name | Comment |
|------------------|--|
| OFFERAGCDATA | OFFERAGCDATA shows availability reoffers of Automatic Generation Control. |
| OFFERASTRK | OFFERASTRK tracks successfully acknowledged ancillary service reoffers. |
| OFFERLSHEDDATA | OFFERLSHEDDATA shows reoffers of load shed including available load shed quantity. |
| OFFERRESTARTDATA | OFFERRESTARTDATA sets out reoffers of system restart availability. |
| OFFERRPOWERDATA | OFFERRPOWERDATA shows reoffers of reactive power capability and settlement measurements. |

7.2 Diagram: Entities: Ancillary Service Contracts

OFFERASTRK
EFFECTIVEDATE
VERSIONNO
PARTICIPANTID

OFFERRPOWERDATA
CONTRACTID
EFFECTIVEDATE
VERSIONNO
PERIODID

OFFERRESTARTDATA
CONTRACTID
OFFERDATE
VERSIONNO
PERIODID

OFFERLSHEDDATA
CONTRACTID
EFFECTIVEDATE
VERSIONNO
PERIODID

OFFERAGCDATA
CONTRACTID
EFFECTIVEDATE
VERSIONNO
PERIODID

7.3 Table: OFFERAGCDATA

7.3.1 OFFERAGCDATA

| | |
|---------|---|
| Name | OFFERAGCDATA |
| Comment | OFFERAGCDATA shows availability reoffers of Automatic Generation Control. |

7.3.2 Description

OFFERAGCDATA data is confidential to the relevant participant.

Source

OFFERAGCDATA updates as reoffers submitted.

7.3.3 Primary Key Columns

Name
 CONTRACTID
 EFFECTIVEDATE
 PERIODID
 VERSIONNO

7.3.4 Index Columns

Name
 LASTCHANGED

7.3.5 Index Columns

Name
 CONTRACTID

7.3.6 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|----------------|--------------|-----|--|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| EFFECTIVEDATE | DATE | X | Market date of offer |
| VERSIONNO | NUMBER(3,0) | X | Version no of record |
| AVAILABILITY | NUMBER(4,0) | | Availability flag (0 or 1) |
| UPPERLIMIT | NUMBER(4,0) | | Upper control limit. This is used by SPD. |
| LOWERLIMIT | NUMBER(4,0) | | Lower control limit MW. This is used by SPD. |
| AUTHORISEDDATE | DATE | | Authorised date |
| AUTHORISED BY | VARCHAR2(15) | | Authorised by |
| FILENAME | VARCHAR2(40) | | Name of reoffer file |
| LASTCHANGED | DATE | | Last date and time record changed |
| PERIODID | NUMBER(3,0) | X | Market day trading interval number |
| AGCUP | NUMBER(3,0) | | AGC Ramp Rate Up. This is used by SPD. |
| AGCDOWN | NUMBER(3,0) | | AGC Ramp Rate Down. This is used by SPD. |

7.4 Table: OFFERASTRK

7.4.1 OFFERASTRK

| | |
|---------|---|
| Name | OFFERASTRK |
| Comment | OFFERASTRK tracks successfully acknowledged ancillary service reoffers. |

7.4.2 Description

OFFERASTRK data is confidential to the relevant participant.

Source

OFFERASTRK is updated as offers are successfully acknowledged.

7.4.3 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
VERSIONNO

7.4.4 Index Columns

Name
LASTCHANGED

7.4.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|------------------------------------|
| EFFECTIVEDATE | DATE | X | Market day starting at 4:00 am |
| VERSIONNO | NUMBER(3,0) | X | Version of the offer for that date |
| PARTICIPANTID | VARCHAR2(10) | X | Participant ID |
| FILENAME | VARCHAR2(40) | | Submitted file name. |

| | | | |
|-------------|------|--|-----------------------------|
| LASTCHANGED | DATE | | Last changed date and time. |
|-------------|------|--|-----------------------------|

7.5 Table: OFFERLSHEDDATA

7.5.1 OFFERLSHEDDATA

| | |
|---------|--|
| Name | OFFERLSHEDDATA |
| Comment | OFFERLSHEDDATA shows reoffers of load shed including available load shed quantity. |

7.5.2 Description

OFFERLSHEDDATA data is confidential to the relevant participant.

Source

OFFERLSHEDDATA updates as reoffers process.

7.5.3 Primary Key Columns

Name
 CONTRACTID
 EFFECTIVEDATE
 PERIODID
 VERSIONNO

7.5.4 Index Columns

Name
 LASTCHANGED

7.5.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|------------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract identifier |
| EFFECTIVEDATE | DATE | X | Market date of reoffer |
| VERSIONNO | NUMBER(3,0) | X | Version No of reoffer |

| | | | |
|----------------|--------------|---|------------------------------------|
| AVAILABLELOAD | NUMBER(4,0) | | Available load |
| AUTHORISEDDATE | DATE | | Authorised date |
| AUTHORISEDBY | VARCHAR2(15) | | Authorised by |
| FILENAME | VARCHAR2(40) | | Name of reoffer file |
| LASTCHANGED | DATE | | Last date and time record changed |
| PERIODID | NUMBER(3,0) | X | Market day trading interval number |

7.6 Table: OFFERRESTARTDATA

7.6.1 OFFERRESTARTDATA

| | |
|---------|--|
| Name | OFFERRESTARTDATA |
| Comment | OFFERRESTARTDATA sets out reoffers of system restart availability. |

7.6.2 Description

OFFERRESTARTDATA data is confidential to the relevant participant.

Source

OFFERRESTARTDATA updates as reoffers process.

7.6.3 Primary Key Columns

Name
 CONTRACTID
 OFFERDATE
 PERIODID
 VERSIONNO

7.6.4 Index Columns

Name
 LASTCHANGED

7.6.5 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|----------------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract identifier |
| OFFERDATE | DATE | X | Effective date of contract |
| VERSIONNO | NUMBER(3,0) | X | Version No of contract |

| | | | |
|----------------|--------------|---|------------------------------------|
| AVAILABILITY | VARCHAR2(3) | | Available load |
| AUTHORISEDDATE | DATE | | Authorised date |
| AUTHORISEDBY | VARCHAR2(15) | | Authorised by |
| FILENAME | VARCHAR2(40) | | Name of reoffer file |
| LASTCHANGED | DATE | | Last date and time record changed |
| PERIODID | NUMBER(3,0) | X | Market day trading interval number |

7.7 Table: OFFERRPOWERDATA

7.7.1 OFFERRPOWERDATA

| | |
|---------|--|
| Name | OFFERRPOWERDATA |
| Comment | OFFERRPOWERDATA shows reoffers of reactive power capability and settlement measurements. |

7.7.2 Description

OFFERRPOWERDATA data is confidential to the relevant participant.

Source

OFFERRPOWERDATA updates as reoffers process.

7.7.3 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID
VERSIONNO

7.7.4 Index Columns

Name
LASTCHANGED

7.7.5 Index Columns

Name
CONTRACTID

7.7.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| CONTRACTID | VARCHAR2(10) | X | Contract Version No. |
| EFFECTIVEDATE | DATE | X | Contract Version No. |
| VERSIONNO | NUMBER(3,0) | X | Version No. of Re-Offer |
| PERIODID | NUMBER(3,0) | X | Market trading interval |
| AVAILABILITY | NUMBER(3,0) | | Availability of service |
| MTA | NUMBER(6,0) | | Reactive Power Absorption Capability (MVar) |
| MTG | NUMBER(6,0) | | Reactive Power Generation Capability (MVar) |
| AUTHORISEDDATE | DATE | | Date Contract was Authorised |
| AUTHORISEDBY | VARCHAR2(15) | | User Name |
| FILENAME | VARCHAR2(40) | | File name of Re-Offer file |
| LASTCHANGED | DATE | | Last date and time record changed |

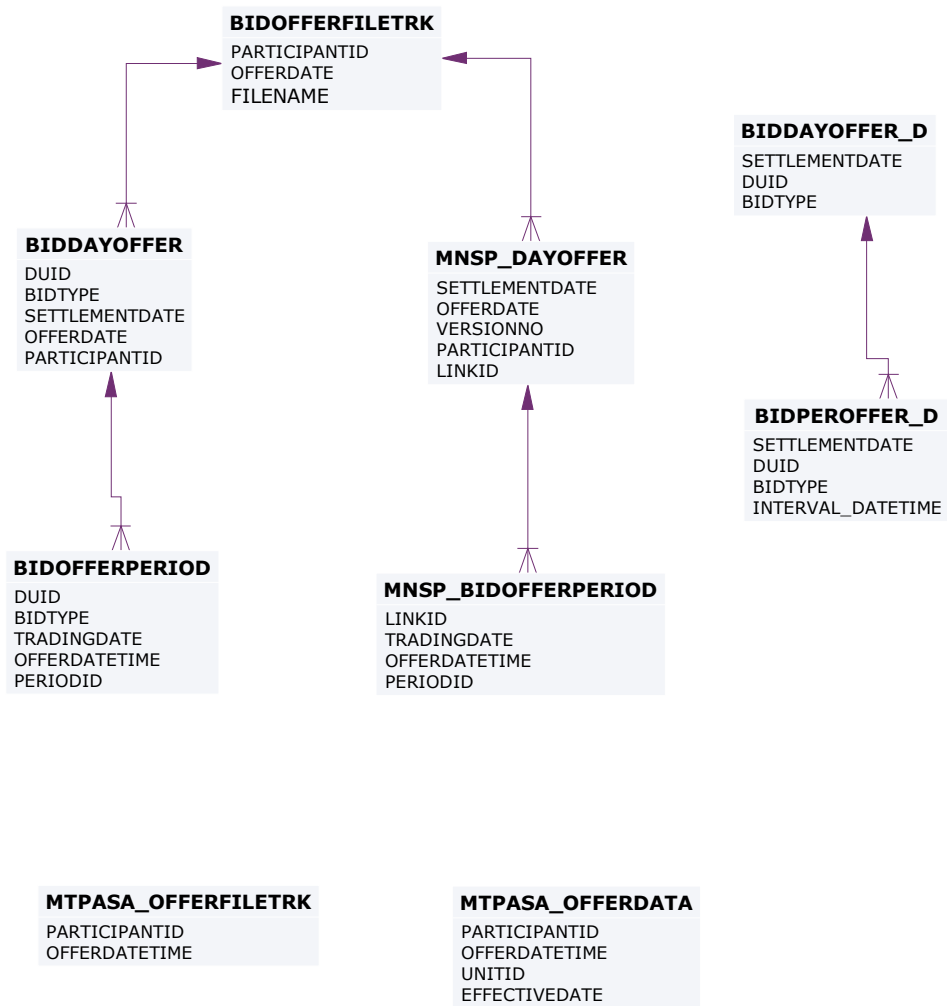
8 Package: BIDS

| | |
|----------------|-------------------------------------|
| <i>Name</i> | BIDS |
| <i>Comment</i> | Energy and Market Based FCAS Offers |

8.1 List of tables

| Name | Comment |
|---------------------|---|
| BIDDAYOFFER | BIDDAYOFFER shows the Energy and Ancillary Service bid data for each Market Day. BIDDAYOFFER is the parent table to BIDOFFERPERIOD. BIDDAYOFFER is a child table to BIDOFFERFILETRK |
| BIDDAYOFFER_D | BIDDAYOFFER_D shows the public summary of the energy and FCAS offers applicable in the Dispatch for the intervals identified. BIDDAYOFFER_D is the parent table to BIDPEROFFER_D. |
| BIDOFFERFILETRK | BIDOFFERFILETRK shows an audit trail of all files submitted containing ENERGY/FCAS/MNSP bid, including corrupt bids and rebids. |
| BIDOFFERPERIOD | BIDOFFERPERIOD shows 5-minute period-based Energy and Ancillary Service bid data. BIDOFFERPERIOD is a child table of BIDDAYOFFER |
| BIDPEROFFER_D | BIDPEROFFER_D shows the public summary of the energy and FCAS offers applicable in the Dispatch for the intervals identified. BIDPEROFFER_D is the child to BIDDAYOFFER_D. |
| MNSP_BIDOFFERPERIOD | MNSP_BIDOFFERPERIOD shows availability for 5-minute periods for a specific Bid and LinkID for the given Trading Date and period. MNSP_BIDOFFERPERIOD is a child to MNSP_DAYOFFER and links to BIDOFFERFILETRK for 5MS Bids. |
| MNSP_DAYOFFER | MNSP_DAYOFFER updates as bids are processed. All bids are available as part of next day market data. MNSP_DAYOFFER is the parent table to MNSP_BIDOFFERPERIOD, and joins to BIDOFFERFILETRK for 5MS Bids. |
| MTPASA_OFFERDATA | Participant submitted Offers for MTPASA process |
| MTPASA_OFFERFILETRK | Participant submitted Offers for MTPASA process |

8.2 Diagram: Entities: Bids



8.3 Table: BIDDAYOFFER

8.3.1 BIDDAYOFFER

| | |
|---------|---|
| Name | BIDDAYOFFER |
| Comment | BIDDAYOFFER shows the Energy and Ancillary Service bid data for each Market Day. BIDDAYOFFER is the parent table to BIDOFFERPERIOD. BIDDAYOFFER is a child table to BIDOFFERFILETRK |

8.3.2 Description

The ancillary service arrangements require availability and prices for each Frequency Control Ancillary Service to be bid on a similar basis to energy. Three tables (BIDOFFERFILETRK, BIDDAYOFFER and BIDOFFERPERIOD) facilitate ancillary service bidding and include energy bidding.

BIDDAYOFFER data is confidential to the submitting participant until made public after 4am the next day.

Source

BIDDAYOFFER updates as ancillary service bids are processed. BIDDAYOFFER includes all accepted energy and ancillary service bids.

Volume

Approximately 1,500,000 records per year

8.3.3 Primary Key Columns

Name
 BIDTYPE
 DUID
 OFFERDATE
 SETTLEMENTDATE

8.3.4 Index Columns

Name
 LASTCHANGED

8.3.5 Index Columns

Name

PARTICIPANTID

8.3.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|---------------|-----------|--|
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| BIDTYPE | VARCHAR2(10) | X | Bid Type Identifier |
| SETTLEMENTDATE | DATE | X | Market date for applying the bid |
| OFFERDATE | TIMESTAMP(3) | X | Time this bid was processed and loaded |
| VERSIONNO | NUMBER(22,0) | | Version No. for given offer date |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DAILYENERGYCONSTRAINT | NUMBER(12,6) | | Maximum energy available from Energy Constrained Plant. (Energy Bids Only) |
| REBIDEXPLANATION | VARCHAR2(500) | | Explanation for all rebids and inflexibilities |
| PRICEBAND1 | NUMBER(9,2) | | Price for Availability Band 1 |
| PRICEBAND2 | NUMBER(9,2) | | Price for Availability Band 2 |
| PRICEBAND3 | NUMBER(9,2) | | Price for Availability Band 3 |
| PRICEBAND4 | NUMBER(9,2) | | Price for Availability Band 4 |
| PRICEBAND5 | NUMBER(9,2) | | Price for Availability Band 5 |
| PRICEBAND6 | NUMBER(9,2) | | Price for Availability Band 6 |
| PRICEBAND7 | NUMBER(9,2) | | Price for Availability Band 6 |
| PRICEBAND8 | NUMBER(9,2) | | Price for Availability Band 8 |
| PRICEBAND9 | NUMBER(9,2) | | Price for Availability Band 9 |
| PRICEBAND10 | NUMBER(9,2) | | Price for Availability Band 10 |
| MINIMUMLOAD | NUMBER(22,0) | | Minimum MW load fast start plant |
| T1 | NUMBER(22,0) | | Time to synchronise in minutes (Energy |

| | | | |
|---------------------|---------------|--|---|
| | | | Bids Only) |
| T2 | NUMBER(22,0) | | Time to minimum load in minutes (Energy Bids Only) |
| T3 | NUMBER(22,0) | | Time at minimum load in minutes (Energy Bids Only) |
| T4 | NUMBER(22,0) | | Time to shutdown in minutes (Energy Bids Only) |
| NORMALSTATUS | VARCHAR2(3) | | not used; was ON/OFF for loads (Energy Bids Only) |
| LASTCHANGED | DATE | | Last date and time record changed |
| MR_FACTOR | NUMBER(16,6) | | Mandatory Restriction Offer Factor |
| ENTRYTYPE | VARCHAR2(20) | | Daily if processed before BidCutOff of previous day, otherwise REBID |
| REBID_EVENT_TIME | VARCHAR2(20) | | The time of the event(s) or other occurrence(s) cited/adduced as the reason for the rebid. Required for rebids, not required for fixed load or low ramp rates. Expected in the format: HH:MM:SS e.g. 20:11:00 |
| REBID_AWARE_TIME | VARCHAR2(20) | | Intended to support the Rebidding and Technical Parameters Guideline. The time at which the participant became aware of the event(s) / occurrence(s) that prompted the rebid. Not validated by AEMO |
| REBID_DECISION_TIME | VARCHAR2(20) | | Intended to support the Rebidding and Technical Parameters Guideline. The time at which the participant made the decision to rebid. Not validated by AEMO |
| REBID_CATEGORY | VARCHAR2(1) | | Intended to support the Rebidding and Technical Parameters Guideline. A provided rebid category. Not validated by AEMO |
| REFERENCE_ID | VARCHAR2(100) | | A participants unique Reference Id |

8.4 Table: BIDDAYOFFER_D

8.4.1 BIDDAYOFFER_D

| | |
|---------|---|
| Name | BIDDAYOFFER_D |
| Comment | BIDDAYOFFER_D shows the public summary of the energy and FCAS offers applicable in the Dispatch for the intervals identified. BIDDAYOFFER_D is the parent table to BIDPEROFFER_D. |

8.4.2 Description

BIDDAYOFFER_D data is made public after 4am the next day.

Source

BIDDAYOFFER_D updates as ancillary service bids are processed. BIDDAYOFFER_D shows latest accepted energy and ancillary service bids.

Volume

Summary - approximately 1,000 rows per day

8.4.3 Primary Key Columns

Name
 BIDTYPE
 DUID
 SETTLEMENTDATE

8.4.4 Index Columns

Name
 LASTCHANGED

8.4.5 Index Columns

Name
 PARTICIPANTID

8.4.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|---------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Market date for which the bid applied |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| BIDTYPE | VARCHAR2(10) | X | Bid Type Identifier |
| BIDSETTLEMENTDATE | DATE | | Market date for which the bid was submitted. |
| OFFERDATE | DATE | | Offer date and time |
| VERSIONNO | NUMBER(22,0) | | Version No. for given offer date |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DAILYENERGYCONSTRAINT | NUMBER(12,6) | | Maximum energy available from Energy Constrained Plant. (Energy Bids Only) |
| REBIDEXPLANATION | VARCHAR2(500) | | Explanation for all rebids and inflexibilities |
| PRICEBAND1 | NUMBER(9,2) | | Price for Availability Band 1 |
| PRICEBAND2 | NUMBER(9,2) | | Price for Availability Band 2 |
| PRICEBAND3 | NUMBER(9,2) | | Price for Availability Band 3 |
| PRICEBAND4 | NUMBER(9,2) | | Price for Availability Band 4 |
| PRICEBAND5 | NUMBER(9,2) | | Price for Availability Band 5 |
| PRICEBAND6 | NUMBER(9,2) | | Price for Availability Band 6 |
| PRICEBAND7 | NUMBER(9,2) | | Price for Availability Band 7 |
| PRICEBAND8 | NUMBER(9,2) | | Price for Availability Band 8 |
| PRICEBAND9 | NUMBER(9,2) | | Price for Availability Band 9 |
| PRICEBAND10 | NUMBER(9,2) | | Price for Availability Band 10 |
| MINIMUMLOAD | NUMBER(22,0) | | Minimum MW load fast start plant |
| T1 | NUMBER(22,0) | | Time to synchronise in minutes (Energy Bids Only) |
| T2 | NUMBER(22,0) | | Time to minimum load in minutes (Energy Bids Only) |

| | | | |
|--------------|--------------|--|--|
| T3 | NUMBER(22,0) | | Time at minimum load in minutes (Energy Bids Only) |
| T4 | NUMBER(22,0) | | Time to shutdown in minutes (Energy Bids Only) |
| NORMALSTATUS | VARCHAR2(3) | | ON/OFF for loads (Energy Bids Only) |
| LASTCHANGED | DATE | | Last date and time record changed |
| MR_FACTOR | NUMBER(16,6) | | Mandatory Restriction Scaling Factor |
| ENTRYTYPE | VARCHAR2(20) | | Daily if processed before BidCutOff of previous day, otherwise REBID |

8.5 Table: BIDOFFERFILETRK

8.5.1 BIDOFFERFILETRK

| | |
|---------|---|
| Name | BIDOFFERFILETRK |
| Comment | BIDOFFERFILETRK shows an audit trail of all files submitted containing ENERGY/FCAS/MNSP bid, including corrupt bids and rebids. |

8.5.2 Description

BIDOFFERFILETRK data is confidential to the submitting participant.

The new ancillary service arrangements require availability and prices for each Frequency Control Ancillary Service to be bid on a similar basis to energy. Three new tables facilitate ancillary service bidding. The new tables (BIDOFFERFILETRK, BIDDAYOFFER and BIDOFFERPERIOD) are similar in structure to energy bidding tables (OFFERFILETRK, DAYOFFER and PEROFFER). The significant differences with the new tables are.

- The OFFERDATE field reflects the time the bid was loaded and this field alone provides the key for versioning of bids. The VERSIONNO field is retained for participant use as information only.
- The new tables support bids for multiple services. The BIDTYPE field defines the service to which the bid applies.
- There are no default bids. In the absence of a bid for a specific settlement date, the latest bid submitted for a previous settlement date applies.

Source

This data is updated as bids are processed. It includes all bids submitted including corrupt bids.

Volume

Approximately 100,000 records per year

Note

Confirmation is via CSV bid acknowledgement file

8.5.3 Primary Key Columns

Name
FILENAME

8.5.4 Primary Key Columns

Name
OFFERDATE
PARTICIPANTID

8.5.5 Index Columns

Name

LASTCHANGED

8.5.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|----------------|-----------|---|
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| OFFERDATE | TIMESTAMP(3) | X | Time this bid was processed and loaded |
| FILENAME | VARCHAR2(80) | X | Submitted file name |
| STATUS | VARCHAR2(10) | | Load status [SUCCESSFUL/CORRUPT] |
| LASTCHANGED | DATE | | Last date and time record changed |
| AUTHORISED BY | VARCHAR2(20) | | Participant agent who created the Offer |
| AUTHORISED DATE | DATE | | When the Offer was processed - synonymous with LastChanged |
| TRANSACTION_ID | VARCHAR2(100) | | A GUID used to identify the submission transaction in AEMOs systems |
| REFERENCE_ID | VARCHAR2(100) | | A participant provided reference, which is required to be unique per submission (for a PARTICIPANTID) |
| SUBMISSION_TIMESTAMP | DATE | | The participant provided date/time for the submission |
| COMMENTS | VARCHAR2(1000) | | A participant provided comment |
| SUBMISSION_METHOD | VARCHAR2(20) | | Method by which this submission was made typically FTP, API, WEB |

8.6 Table: BIDOFFERPERIOD

8.6.1 BIDOFFERPERIOD

| | |
|---------|---|
| Name | BIDOFFERPERIOD |
| Comment | BIDOFFERPERIOD shows 5-minute period-based Energy and Ancillary Service bid data.BIDOFFERPERIOD is a child table of BIDDAYOFFER |

8.6.2 Primary Key Columns

| |
|---------------|
| Name |
| BIDTYPE |
| DUID |
| OFFERDATETIME |
| PERIODID |
| TRADINGDATE |

8.6.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| DUID | VARCHAR2(20) | X | Dispatchable Unit ID |
| BIDTYPE | VARCHAR2(10) | X | The type of bid, one-of ENERGY, RAISE6SEC, RAISE60SEC, RAISE5MIN, RAISEREG, LOWER6SEC, LOWER60SEC, LOWER5MIN, LOWERREG |
| TRADINGDATE | DATE | X | The trading date this bid is for |
| OFFERDATETIME | TIMESTAMP(3) | X | Time this bid was processed and loaded |
| PERIODID | NUMBER(3,0) | X | Period ID 1 to 288 |
| MAXAVAIL | NUMBER(8,3) | | Maximum availability for this BidType in this period |
| FIXEDLOAD | NUMBER(8,3) | | Fixed unit output MW (Energy bids only) A null value means no fixed load so the unit is dispatched according to bid and |

| | | | |
|------------------|-------------|--|---|
| | | | market |
| RAMPUPRATE | NUMBER(6) | | MW/Min for raise (Energy bids only) |
| RAMPDOWNRATE | NUMBER(6) | | MW/Min for lower (Energy bids only) |
| ENABLEMENTMIN | NUMBER(8,3) | | Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only) |
| ENABLEMENTMAX | NUMBER(8,3) | | Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only) |
| LOWBREAKPOINT | NUMBER(8,3) | | Minimum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only) |
| HIGHBREAKPOINT | NUMBER(8,3) | | Maximum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only) |
| BANDAVAIL1 | NUMBER(8,3) | | Availability at price band 1 |
| BANDAVAIL2 | NUMBER(8,3) | | Availability at price band 2 |
| BANDAVAIL3 | NUMBER(8,3) | | Availability at price band 3 |
| BANDAVAIL4 | NUMBER(8,3) | | Availability at price band 4 |
| BANDAVAIL5 | NUMBER(8,3) | | Availability at price band 5 |
| BANDAVAIL6 | NUMBER(8,3) | | Availability at price band 6 |
| BANDAVAIL7 | NUMBER(8,3) | | Availability at price band 7 |
| BANDAVAIL8 | NUMBER(8,3) | | Availability at price band 8 |
| BANDAVAIL9 | NUMBER(8,3) | | Availability at price band 9 |
| BANDAVAIL10 | NUMBER(8,3) | | Availability at price band 10 |
| PASAAVAILABILITY | NUMBER(8,3) | | Allows for future use for Energy bids, being the physical plant capability including any capability potentially available within 24 hours |

8.7 Table: BIDPEROFFER_D

8.7.1 BIDPEROFFER_D

| | |
|---------|--|
| Name | BIDPEROFFER_D |
| Comment | BIDPEROFFER_D shows the public summary of the energy and FCAS offers applicable in the Dispatch for the intervals identified. BIDPEROFFER_D is the child to BIDDAYOFFER_D. |

8.7.2 Description

BIDPEROFFER_D is public data, so is available to all participants.

Source

BIDPEROFFER_D updates daily shortly after 4am.

See also BIDPEROFFER.

8.7.3 Primary Key Columns

Name
 BIDTYPE
 DUID
 INTERVAL_DATETIME
 SETTLEMENTDATE

8.7.4 Index Columns

Name
 LASTCHANGED

8.7.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---------------------------------------|
| SETTLEMENTDATE | DATE | X | Market date for which the bid applied |
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |

| | | | |
|-------------------|--------------|---|--|
| BIDTYPE | VARCHAR2(10) | X | Bid Type Identifier |
| BIDSETTLEMENTDATE | DATE | | Market date for which the bid was submitted |
| OFFERDATE | DATE | | Offer date and time |
| PERIODID | NUMBER(22,0) | | The trading interval period identifier (1-48) |
| VERSIONNO | NUMBER(22,0) | | Version number of offer |
| MAXAVAIL | NUMBER(12,6) | | Maximum availability for this BidType in this period |
| FIXEDLOAD | NUMBER(12,6) | | Fixed unit output MW (Energy Bids Only). A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load) |
| ROCUP | NUMBER(6,0) | | MW/min for raise (Energy Bids Only) |
| ROCDOWN | NUMBER(6,0) | | MW/Min for lower (Energy Bids Only) |
| ENABLEMENTMIN | NUMBER(6,0) | | Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only) |
| ENABLEMENTMAX | NUMBER(6,0) | | Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only) |
| LOWBREAKPOINT | NUMBER(6,0) | | Minimum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only) |
| HIGHBREAKPOINT | NUMBER(6,0) | | Maximum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only) |
| BANDAVAIL1 | NUMBER(22,0) | | Availability at price band 1 |
| BANDAVAIL2 | NUMBER(22,0) | | Availability at price band 2 |
| BANDAVAIL3 | NUMBER(22,0) | | Availability at price band 3 |
| BANDAVAIL4 | NUMBER(22,0) | | Availability at price band 4 |
| BANDAVAIL5 | NUMBER(22,0) | | Availability at price band 5 |
| BANDAVAIL6 | NUMBER(22,0) | | Availability at price band 6 |

| | | | |
|-------------------|--------------|---|---|
| BANDAVAIL7 | NUMBER(22,0) | | Availability at price band 7 |
| BANDAVAIL8 | NUMBER(22,0) | | Availability at price band 8 |
| BANDAVAIL9 | NUMBER(22,0) | | Availability at price band 9 |
| BANDAVAIL10 | NUMBER(22,0) | | Availability at price band 10 |
| LASTCHANGED | DATE | | Last date and time record changed |
| PASAAVAILABILITY | NUMBER(12,0) | | Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours |
| INTERVAL_DATETIME | DATE | X | Date and Time of the dispatch interval to which the offer applied |
| MR_CAPACITY | NUMBER(6,0) | | Mandatory Restriction Offer amount |

8.8 Table: MNSP_BIDOFFERPERIOD

8.8.1 MNSP_BIDOFFERPERIOD

| | |
|---------|---|
| Name | MNSP_BIDOFFERPERIOD |
| Comment | MNSP_BIDOFFERPERIOD shows availability for 5-minute periods for a specific Bid and LinkID for the given Trading Date and period. MNSP_BIDOFFERPERIOD is a child to MNSP_DAYOFFER and links to BIDOFFERFILETRK for 5MS Bids. |

8.8.2 Primary Key Columns

| |
|---------------|
| Name |
| LINKID |
| OFFERDATETIME |
| PERIODID |
| TRADINGDATE |

8.8.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| LINKID | VARCHAR2(20) | X | Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to. |
| TRADINGDATE | DATE | X | The trading date this bid is for |
| OFFERDATETIME | TIMESTAMP(3) | X | Time this bid was processed and loaded |
| PERIODID | NUMBER(3,0) | X | Period ID, 1 to 288 |
| MAXAVAIL | NUMBER(8,3) | | Maximum planned availability MW |
| FIXEDLOAD | NUMBER(8,3) | | Fixed unit output, in MW. A value of NULL means no fixed load so the unit is dispatched according to bid and the market. |
| RAMPUPRATE | NUMBER(6) | | Ramp rate (MW / min) in the positive direction of flow for this MNSP link for this half-hour period |

| | | | |
|------------------|-------------|--|---|
| BANDAVAIL1 | NUMBER(8,3) | | Availability at price band 1 |
| BANDAVAIL2 | NUMBER(8,3) | | Availability at price band 2 |
| BANDAVAIL3 | NUMBER(8,3) | | Availability at price band 3 |
| BANDAVAIL4 | NUMBER(8,3) | | Availability at price band 4 |
| BANDAVAIL5 | NUMBER(8,3) | | Availability at price band 5 |
| BANDAVAIL6 | NUMBER(8,3) | | Availability at price band 6 |
| BANDAVAIL7 | NUMBER(8,3) | | Availability at price band 7 |
| BANDAVAIL8 | NUMBER(8,3) | | Availability at price band 8 |
| BANDAVAIL9 | NUMBER(8,3) | | Availability at price band 9 |
| BANDAVAIL10 | NUMBER(8,3) | | Availability at price band 10 |
| PASAAVAILABILITY | NUMBER(8,3) | | Allows for future use for Energy bids, being the physical plant capability including any capability potentially available within 24 hours |

8.9 Table: MNSP_DAYOFFER

8.9.1 MNSP_DAYOFFER

| | |
|---------|---|
| Name | MNSP_DAYOFFER |
| Comment | MNSP_DAYOFFER updates as bids are processed. All bids are available as part of next day market data. MNSP_DAYOFFER is the parent table to MNSP_BIDOFFERPERIOD, and joins to BIDOFFERFILETRK for 5MS Bids. |

8.9.2 Description

MNSP_DAYOFFER shows own (confidential) data updates as bids are processed. All bids are available as part of next day market data.

Volume

4, 000 per year

8.9.3 Primary Key Columns

Name
LINKID
OFFERDATE
PARTICIPANTID
SETTLEMENTDATE
VERSIONNO

8.9.4 Index Columns

Name
LASTCHANGED

8.9.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|--------------------------------------|
| SETTLEMENTDATE | DATE | X | Market Date from which bid is active |

| | | | |
|------------------|---------------|---|---|
| OFFERDATE | TIMESTAMP(3) | X | Time this bid was processed and loaded |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data will take precedence |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| LINKID | VARCHAR2(10) | X | Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to. |
| ENTRYTYPE | VARCHAR2(20) | | Bid type. Either Rebid or Daily |
| REBIDEXPLANATION | VARCHAR2(500) | | Explanation for all rebids and inflexibilities |
| PRICEBAND1 | NUMBER(9,2) | | Price for Availability Band 1 |
| PRICEBAND2 | NUMBER(9,2) | | Price for Availability Band 2 |
| PRICEBAND3 | NUMBER(9,2) | | Price for Availability Band 3 |
| PRICEBAND4 | NUMBER(9,2) | | Price for Availability Band 4 |
| PRICEBAND5 | NUMBER(9,2) | | Price for Availability Band 5 |
| PRICEBAND6 | NUMBER(9,2) | | Price for Availability Band 6 |
| PRICEBAND7 | NUMBER(9,2) | | Price for Availability Band 7 |
| PRICEBAND8 | NUMBER(9,2) | | Price for Availability Band 8 |
| PRICEBAND9 | NUMBER(9,2) | | Price for Availability Band 9 |
| PRICEBAND10 | NUMBER(9,2) | | Price for Availability Band 10 |
| LASTCHANGED | DATE | | Last date and time record changed |
| MR_FACTOR | NUMBER(16,6) | | Mandatory Restriction Offer Factor |
| REBID_EVENT_TIME | VARCHAR2(20) | | The time of the event(s) or other occurrence(s) cited/adduced as the reason for the rebid. Required for rebids, not required for fixed load or low ramp rates. Expected in the format: HH:MM:SS e.g. 20:11:00 |
| REBID_AWARE_TIME | VARCHAR2(20) | | Intended to support the Rebidding and Technical Parameters Guideline. The time at which the participant became aware of the event(s) / occurrence(s) that prompted the rebid. Not validated by AEMO |

| | | | |
|---------------------|---------------|--|---|
| REBID_DECISION_TIME | VARCHAR2(20) | | Intended to support the Rebidding and Technical Parameters Guideline. The time at which the participant made the decision to rebid. Not validated by AEMO |
| REBID_CATEGORY | VARCHAR2(1) | | Intended to support the Rebidding and Technical Parameters Guideline. A provided rebid category. Not validated by AEMO |
| REFERENCE_ID | VARCHAR2(100) | | A participants unique Reference Id |

8.10 Table: MTPASA_OFFERDATA

8.10.1 MTPASA_OFFERDATA

| | |
|---------|---|
| Name | MTPASA_OFFERDATA |
| Comment | Participant submitted Offers for MTPASA process |

8.10.2 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| OFFERDATETIME |
| PARTICIPANTID |
| UNITID |

8.10.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

8.10.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| PARTICIPANTID | VARCHAR2(20) | X | Unique participant identifier |
| OFFERDATETIME | DATE | X | Date time file processed |
| UNITID | VARCHAR2(20) | X | either duid or mnsp linkid |
| EFFECTIVEDATE | DATE | X | trade date when the offer becomes effective |
| ENERGY | NUMBER(9) | | weekly energy constraint value |
| CAPACITY1 | NUMBER(9) | | capacity value day 1 (sunday) |
| CAPACITY2 | NUMBER(9) | | capacity value day 2 (monday) |

| | | | |
|-------------|--------------|--|--|
| CAPACITY3 | NUMBER(9) | | capacity value day 3 (tuesday) |
| CAPACITY4 | NUMBER(9) | | capacity value day 4 (wednesday) |
| CAPACITY5 | NUMBER(9) | | capacity value day 5 (thursday) |
| CAPACITY6 | NUMBER(9) | | capacity value day 6 (friday) |
| CAPACITY7 | NUMBER(9) | | capacity value day 7 (saturday) |
| LASTCHANGED | DATE | | timestamp when record last changed |
| UNITSTATE1 | VARCHAR2(20) | | The unit state value for day 1 Sunday |
| UNITSTATE2 | VARCHAR2(20) | | The unit state value for day 2 Monday |
| UNITSTATE3 | VARCHAR2(20) | | The unit state value for day 3 Tuesday |
| UNITSTATE4 | VARCHAR2(20) | | The unit state value for 4 Wednesday |
| UNITSTATE5 | VARCHAR2(20) | | The unit state value for day 5 Thursday |
| UNITSTATE6 | VARCHAR2(20) | | The unit state value for day 6 Friday |
| UNITSTATE7 | VARCHAR2(20) | | The unit state value for day 7 Saturday |
| RECALLTIME1 | NUMBER(4) | | The recall time associated with the unit state for day 1 Sunday |
| RECALLTIME2 | NUMBER(4) | | The recall time associated with the unit state for day 2 Monday |
| RECALLTIME3 | NUMBER(4) | | The recall time associated with the unit state for day 3 Tuesday |
| RECALLTIME4 | NUMBER(4) | | The recall time associated with the unit state for day 4 Wednesday |
| RECALLTIME5 | NUMBER(4) | | The recall time associated with the unit state for day 5 Thursday |
| RECALLTIME6 | NUMBER(4) | | The recall time associated with the unit state for day 6 Friday |
| RECALLTIME7 | NUMBER(4) | | The recall time associated with the unit state for day 7 Saturday |

8.11 Table: MTPASA_OFFERFILETRK

8.11.1 MTPASA_OFFERFILETRK

| | |
|---------|---|
| Name | MTPASA_OFFERFILETRK |
| Comment | Participant submitted Offers for MTPASA process |

8.11.2 Description

MTPASA_OFFERFILETRK is confidential to the relevant participant.

Source

MTPASA_OFFERFILETRK updates for every submitted MTPASA bid.

Volume

4000 per year, being one per bid containing an MTPASA bid

8.11.3 Primary Key Columns

Name
OFFERDATETIME
PARTICIPANTID

8.11.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------|---------------|-----------|-------------------------------|
| PARTICIPANTID | VARCHAR2(20) | X | Unique participant identifier |
| OFFERDATETIME | DATE | X | Date time file processed |
| FILENAME | VARCHAR2(200) | | Submitted file name |

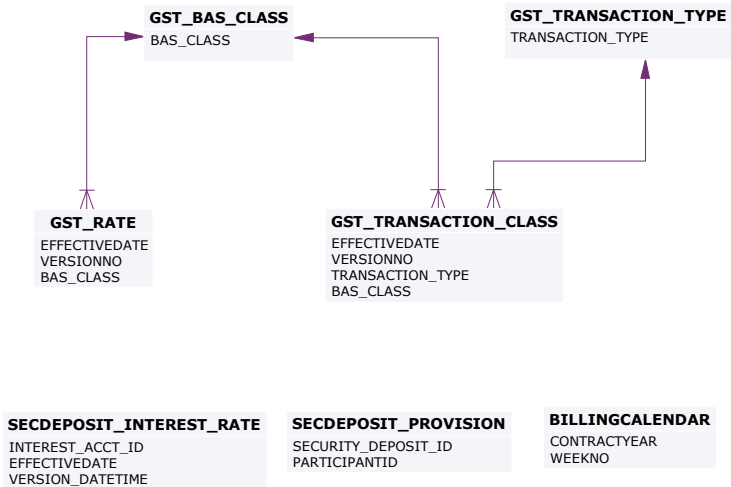
9 Package: BILLING_CONFIG

| | |
|----------------|--|
| <i>Name</i> | BILLING_CONFIG |
| <i>Comment</i> | Configuration data for the Billing Process |

9.1 List of tables

| Name | Comment |
|--------------------------|--|
| BILLINGCALENDAR | BILLINGCALENDAR sets out the billing calendar for the year, with week number 1 starting on 1 January. BILLINGCALENDAR advises preliminary and final statement posting date and corresponding settlement for each billing week. |
| GST_BAS_CLASS | GST_BAS_CLASS contains a static list of BAS (Business Activity Statement) classifications supported by the MMS. |
| GST_RATE | GST_RATE maintains the GST rates on a BAS (Business Activity Statement) class basis. |
| GST_TRANSACTION_CLASS | GST_TRANSACTION_CLASS maps NEM settlement transaction types with BAS (Business Activity Statement) classifications. |
| GST_TRANSACTION_TYPE | GST_TRANSACTION_TYPE shows a static list of transaction types supported by the MMS. |
| SECDEPOSIT_INTEREST_RATE | The security deposit interest rate on a daily basis. This is the public table published when the business enter and authorise a new daily interest rate |
| SECDEPOSIT_PROVISION | The security deposit provision entry details |

9.2 Diagram: Entities: Billing Config



9.3 Table: BILLINGCALENDAR

9.3.1 BILLINGCALENDAR

| | |
|---------|--|
| Name | BILLINGCALENDAR |
| Comment | BILLINGCALENDAR sets out the billing calendar for the year, with week number 1 starting on 1 January. BILLINGCALENDAR advises preliminary and final statement posting date and corresponding settlement for each billing week. |

9.3.2 Description

BILLINGCALENDAR is public data, and is available to all participants.

Source

Infrequently, only when inserting billing weeks for a future contractyear.

Volume

52-53 records inserted per contractyear

9.3.3 Primary Key Columns

Name
 CONTRACTYEAR
 WEEKNO

9.3.4 Index Columns

Name
 LASTCHANGED

9.3.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |

| | | | |
|--------------------------|------|--|---|
| STARTDATE | DATE | | Start Date of week |
| ENDDATE | DATE | | End Date of week |
| PRELIMINARYSTATEMENTDATE | DATE | | Preliminary Statement Date |
| FINALSTATEMENTDATE | DATE | | Final Statement Date |
| PAYMENTDATE | DATE | | Payment Date |
| LASTCHANGED | DATE | | Last date and time record changed |
| REVISION1_STATEMENTDATE | DATE | | Revision 1 Statement Date for the billing week. |
| REVISION2_STATEMENTDATE | DATE | | Revision 2 Statement Date for the billing week. |

9.4 Table: GST_BAS_CLASS

9.4.1 GST_BAS_CLASS

| | |
|---------|---|
| Name | GST_BAS_CLASS |
| Comment | GST_BAS_CLASS contains a static list of BAS (Business Activity Statement) classifications supported by the MMS. |

9.4.2 Description

GST_BAS_CLASS data is public to all participants.

9.4.3 Primary Key Columns

| |
|-----------|
| Name |
| BAS_CLASS |

9.4.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

9.4.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|---------------|-----------|---------------------------------------|
| BAS_CLASS | VARCHAR2(30) | X | The BAS classification |
| DESCRIPTION | VARCHAR2(100) | | Description of the BAS classification |
| LASTCHANGED | DATE | | Last date and time the record changed |

9.5 Table: GST_RATE

9.5.1 GST_RATE

| | |
|---------|--|
| Name | GST_RATE |
| Comment | GST_RATE maintains the GST rates on a BAS (Business Activity Statement) class basis. |

9.5.2 Description

GST_RATE data is public to all participants.

9.5.3 Primary Key Columns

| |
|---------------|
| Name |
| BAS_CLASS |
| EFFECTIVEDATE |
| VERSIONNO |

9.5.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

9.5.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| EFFECTIVEDATE | DATE | X | The effective date of the data set |
| VERSIONNO | NUMBER(3,0) | X | The version number of the data set |
| BAS_CLASS | VARCHAR2(30) | X | The BAS classification |
| GST_RATE | NUMBER(8,5) | | The GST rate that applies to this BAS classification |
| LASTCHANGED | DATE | | Last date and time the record changed |

9.6 Table: GST_TRANSACTION_CLASS

9.6.1 GST_TRANSACTION_CLASS

| | |
|---------|---|
| Name | GST_TRANSACTION_CLASS |
| Comment | GST_TRANSACTION_CLASS maps NEM settlement transaction types with BAS (Business Activity Statement) classifications. |

9.6.2 Description

GST_TRANSACTION_CLASS data is public to all participants.

Source

GST_TRANSACTION_CLASS updates infrequently, when new transactions are introduced to the NEM.

Volume

Generally volume is fewer than one hundred records.

9.6.3 Primary Key Columns

Name
 BAS_CLASS
 EFFECTIVEDATE
 TRANSACTION_TYPE
 VERSIONNO

9.6.4 Index Columns

Name
 LASTCHANGED

9.6.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-----------|-----------|------------------------------------|
| EFFECTIVEDATE | DATE | X | The effective date of the data set |

| | | | |
|------------------|--------------|---|---|
| VERSIONNO | NUMBER(3,0) | X | The version number of the data set |
| TRANSACTION_TYPE | VARCHAR2(30) | X | NEM settlement transaction type |
| BAS_CLASS | VARCHAR2(30) | X | The BAS classification that the transaction type corresponds to |
| LASTCHANGED | DATE | | Last date and time the record changed |

9.7 Table: GST_TRANSACTION_TYPE

9.7.1 GST_TRANSACTION_TYPE

| | |
|---------|---|
| Name | GST_TRANSACTION_TYPE |
| Comment | GST_TRANSACTION_TYPE shows a static list of transaction types supported by the MMS. |

9.7.2 Description

GST_TRANSACTION_TYPE data is public to all participants.

9.7.3 Primary Key Columns

| | |
|------|------------------|
| Name | TRANSACTION_TYPE |
|------|------------------|

9.7.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

9.7.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|---------------|-----------|---------------------------------------|
| TRANSACTION_TYPE | VARCHAR2(30) | X | The transaction type |
| DESCRIPTION | VARCHAR2(100) | | Description of the transaction type |
| GL_FINANCIALCODE | VARCHAR2(10) | | |
| GL_TCODE | VARCHAR2(15) | | |
| LASTCHANGED | DATE | | Last date and time the record changed |

9.8 Table: SECDEPOSIT_INTEREST_RATE

9.8.1 SECDEPOSIT_INTEREST_RATE

| | |
|---------|---|
| Name | SECDEPOSIT_INTEREST_RATE |
| Comment | The security deposit interest rate on a daily basis. This is the public table published when the business enter and authorise a new daily interest rate |

9.8.2 Description

SECDEPOSIT_INTEREST_RATE data is public to all participants.

9.8.3 Primary Key Columns

| |
|------------------|
| Name |
| EFFECTIVEDATE |
| INTEREST_ACCT_ID |
| VERSION_DATETIME |

9.8.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| INTEREST_ACCT_ID | VARCHAR2(20) | X | The interest account ID for calculating the interest payment |
| EFFECTIVEDATE | DATE | X | The effective date of the interest rate change |
| VERSION_DATETIME | DATE | X | Date Time this record was added |
| INTEREST_RATE | NUMBER(18,8) | | The interest rate for the interest account ID as on the effective date. |

9.9 Table: SECDEPOSIT_PROVISION

9.9.1 SECDEPOSIT_PROVISION

| | |
|---------|--|
| Name | SECDEPOSIT_PROVISION |
| Comment | The security deposit provision entry details |

9.9.2 Primary Key Columns

| |
|---------------------|
| Name |
| PARTICIPANTID |
| SECURITY_DEPOSIT_ID |

9.9.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--|
| SECURITY_DEPOSIT_ID | VARCHAR2(20) | X | The security deposit ID |
| PARTICIPANTID | VARCHAR2(20) | X | The Participant ID linked to the security deposit ID |
| TRANSACTION_DATE | DATE | | The date the security deposit ID is entered and authorised by settlements |
| MATURITY_CONTRACTYEAR | NUMBER(4,0) | | The contract year of the billing week when the security deposit is maturing |
| MATURITY_WEEKNO | NUMBER(3,0) | | The week no of the billing week when the security deposit is maturing |
| AMOUNT | NUMBER(18,8) | | The security deposit amount |
| INTEREST_RATE | NUMBER(18,8) | | The interest rate assigned to the security deposit ID. Null if INTEREST_CALC_TYPE <> FIXED |
| INTEREST_CALC_TYPE | VARCHAR2(20) | | FIXED OR DAILY |
| INTEREST_ACCT_ID | VARCHAR2(20) | | The Interest Account ID for calculating the Interest Payment. This is NULL if the INTEREST_CALC_TYPE = FIXED |

10 Package: BILLING_RUN

Name BILLING_RUN

Comment Results from a published Billing Run. The settlement data and billing run data are updated daily between 6am and 8am for AEMO's prudential processes. In a normal week, AEMO publishes one PRELIM, one FINAL and two REVISION runs in addition to the daily runs.

Each billing run is uniquely identified by contract year, week no and bill run no.

10.1 List of tables

| Name | Comment |
|----------------------------------|--|
| BILLING_APC_COMPENSATION | Billing result table for APC compensation payments. |
| BILLING_APC_RECOVERY | Billing result table for recovery of APC compensation payments |
| BILLING_CO2E_PUBLICATION | Carbon Dioxide Intensity Index publication table |
| BILLING_CO2E_PUBLICATION_TRK | Carbon Dioxide Intensity Index publication tracking table |
| BILLING_DAILY_ENERGY_SUMMARY | Billing result table containing daily summary data for customer and generator energy amounts |
| BILLING_DIR_FINAL_AMOUNT | The Billing Final Directions Payment Amount for Directed/Affected/Eligible participants |
| BILLING_DIR_FINAL_RECOVERY | The Billing Final Directions Recovery Amount for the participants |
| BILLING_DIR_PROV_AMOUNT | The Billing Provisional Directions Payment Amount for Directed/Affected/Eligible participants |
| BILLING_DIR_PROV_RECOVERY | The Billing Provisional Directions Recovery Amount for the participants |
| BILLING_DIR_RECOVERY_DETAIL | The Billing Directions Recovery Details for the participants |
| BILLING_DIRECTION_RECON_OTHER | Billing reconciliation result table for both provisional and final directions |
| BILLING_DIRECTION_RECONCILIATION | Billing reconciliation result table for both provisional and final directions using the FPP methodology (prior to 1st July 2011) |
| BILLING_EFTSHORTFALL_AMOUNT | The billing shortfall run amounts |

| | |
|--------------------------------|---|
| BILLING_EFTSHORTFALL_DETAIL | The Billing Shortfall Run Amount details |
| BILLING_ENERGY_TRAN_SAPS | The SAP Billing Transaction Details for the Participants |
| BILLING_GST_DETAIL | BILLING_GST_DETAIL shows the BAS class, GST_Exclusive and GST amount (if any) attributable to a participant for each transaction type. |
| BILLING_GST_SUMMARY | BILLING_GST_SUMMARY shows the GST_Exclusive and GST amount (if any) attributable to a participant for each BAS class. |
| BILLING_NMAS_TST_PAYMENTS | BILLING_NMAS_TEST_PAYMENTS publish the NSCAS/SRAS Testing Payments data for a posted billing week. |
| BILLING_NMAS_TST_RECOVERY | BILLING_NMAS_TEST_RECOVERY sets out the recovery of NMAS testing payments |
| BILLING_NMAS_TST_RECVRY_RBF | BILLING_NMAS_TEST_RECVRY_RBF sets out the NSCAS/SRAS Testing Payment recovery data for the posted billing week. |
| BILLING_NMAS_TST_RECVRY_TRK | BILLING_NMAS_TEST_RECVRY_TRK tracks the energy data used to allocate the test payment recovery over the recovery period. |
| BILLING_SECDEP_INTEREST_PAY | The interest amount for security deposit calculated by billing, based on whether it is a fixed/floating rate |
| BILLING_SECDEP_INTEREST_RATE | The DAILY interest rates used by billing when calculating the interest amount |
| BILLING_SECDEPOSIT_APPLICATION | The security deposit application details |
| BILLING_SUBST_DEMAND | Demand Values Substituted in Billing Calculation |
| BILLING_SUBST_RUN_VERSION | Details of settlement runs used as input in the substitute demand calculation |
| BILLING_WDR | Billing WDR Transaction Weekly Summary |
| BILLING_WDR_DETAIL | Billing WDR transaction detail summary |
| BILLINGAPCCOMPENSATION | BILLINGAPCCOMPENSATION shows Administered Price Cap (APC) compensation amounts for the billing period. Data is for each participant by region. |
| BILLINGAPCRECOVERY | BILLINGAPCRECOVERY shows the Administered Price Cap (APC) Recovery for the billing period. Data is for each participant by region. |
| BILLINGASPAYMENTS | BILLINGASPAYMENTS shows Ancillary Service payments for each billing period by each of the Ancillary Service types for each participant's connection points. |

| | |
|-----------------------------|---|
| BILLINGASRECOVERY | BILLINGASRECOVERY shows participant charges for Ancillary Services for the billing period. This view shows the billing amounts for Ancillary Service Recovery. |
| BILLINGCPDATA | BILLINGCPDATA shows energy quantity and \$ value purchased per participant connection point. |
| BILLINGDAYTRK | BILLINGDAYTRK is key for matching settlement versions with billing runs. BILLINGDAYTRK displays the billrunnos per billing week, and the settlement version numbers per settlement day comprising the billrunno. |
| BILLINGFEES | BILLINGFEES presents pool fees applied to the statement, per billing run. |
| BILLINGFINANCIALADJUSTMENTS | BILLINGFINANCIALADJUSTMENTS contains any manual adjustments included in the billing run. |
| BILLINGGENDATA | BILLINGGENDATA shows the total energy sold and purchased per participant transmission connection point for a billing period. |
| BILLINGINTERRESIDUES | BILLINGINTERRESIDUES shows interregion residues payable to NSP. |
| BILLINGINTRARESIDUES | BILLINGINTRARESIDUES shows intra-region settlement residue details for each Transmission Network Service Provider participant by region. |
| BILLINGIRAUCSURPLUS | BILLINGIRAUCSURPLUS supports the Settlements Residue Auction, by showing the weekly billing Interconnector Residue (IR) payments as calculated for each bill run for Network Service Providers (NSPs) from the amount not auctioned. |
| BILLINGIRAUCSURPLUSSUM | BILLINGIRAUCSURPLUSSUM contains Auction fees and Settlements Residue Auction distribution that may arise from unpurchased auction units that accrue to Transmission Network Service Providers. |
| BILLINGIRFM | BILLINGIRFM shows billing amounts associated with Industrial Relations Forced Majeure events for each participant. |
| BILLINGIRNSPSURPLUS | BILLINGIRNSPSURPLUS supports the Settlements Residue Auction (SRA), by showing the weekly billing Interconnector Residue (IR) payments as calculated for each bill run for Transmission Network Service Providers (TNSP) from the amount paid by participants (i.e. derogated amounts). |
| BILLINGIRNSPSURPLUSSUM | BILLINGIRNSPSURPLUSSUM contains derogated payments made to TNSPs arising from the Settlements Residue Auction process. |
| BILLINGIRPARTSURPLUS | BILLINGIRPARTSURPLUS supports the Settlements Residue Auction, by showing the weekly billing SRA distribution to Auction participants by Contract Identifier. |

| | |
|---------------------------|---|
| BILLINGIRPARTSURPLUSSUM | BILLINGIRPARTSURPLUSSUM supports the Settlements Residue Auction, by showing the weekly billing SRA distribution and associated fees to Auction participants. |
| BILLINGPRIORADJUSTMENTS | BILLINGPRIORADJUSTMENTS sets out prior period adjustments and associated interest inserted in subsequent Final Statements arising from Revision Statement postings. |
| BILLINGREALLOC | BILLINGREALLOC shows reallocation contract values in each billing run, where participants have used reallocations. |
| BILLINGREALLOC_DETAIL | Billing Reallocation Data aggregated by REALLOCATIONID for each billing run over the billing week. |
| BILLINGREGIONEXPORTS | BILLINGREGIONEXPORTS sets out the region summary table of overall energy exported to and from each region for each billing run. |
| BILLINGREGIONFIGURES | BILLINGREGIONFIGURES sets out additional summary region details including ancillary service amounts for each billing run. |
| BILLINGREGIONIMPORTS | BILLINGREGIONIMPORTS sets out the region summary table of overall energy imported to and from each region for each billing run. |
| BILLINGRUNTRK | BILLINGRUNTRK identifies the Statement type (i.e. Status of PRELIM, FINAL, REVISE) and date of the BillRunNo posted, per WeekNo. This provides a further extension of tracking data from the BILLINGDAYTRK table. |
| BILLRESERVETRADERPAYMENT | Details of the RERT Usage and Availability Payments made to the participant. |
| BILLRESERVETRADERRECOVERY | Provides details of the RERT Recovery Amount for the Market Customers. |
| BILLWHITEHOLE | BILLWHITEHOLE shows white hole payments based on participant vs region demand. |

10.2 Diagram: Entities: Billing Run

BILLWHITEHOLE

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
INTERCONNECTORID

BILLINGIRNPSURPLUS

CONTRACTYEAR
WEEKNO
BILLRUNNO
CONTRACTID
PARTICIPANTID
INTERCONNECTORID
FROMREGIONID

BILLINGASRECOVERY

REGIONID
CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID

BILLINGFINANCIALADJUSTMENTS

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
ADJUSTMENTITEM

BILLINGPRIORADJUSTMENTS

CONTRACTYEAR
WEEKNO
BILLRUNNO
ADJCONTRACTYEAR
ADJWEEKNO
ADJBILLRUNNO
PARTICIPANTID

BILLINGASPAYMENTS

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
CONNECTIONPOINTID

BILLINGDAYTRK

CONTRACTYEAR
WEEKNO
BILLRUNNO
SETTLEMENTDATE

BILLING_GST_SUMMARY

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
BAS_CLASS

BILLINGENDATA

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
CONNECTIONPOINTID

BILLING_DIRECTION_RECONCILIATN

CONTRACTYEAR
WEEKNO
BILLRUNNO
DIRECTION_ID

BILLINGAPCRECOVERY

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
REGIONID

BILLINGIRNSPSURPLUSUM

CONTRACTYEAR
WEEKNO
RESIDUEYEAR
QUARTER
BILLRUNNO
INTERCONNECTORID
FROMREGIONID
PARTICIPANTID

BILLINGIRPARTSURPLUS

CONTRACTYEAR
WEEKNO
BILLRUNNO
CONTRACTID
PARTICIPANTID
INTERCONNECTORID
FROMREGIONID

BILLING_DAILY_ENERGY_SUMMARY

CONTRACTYEAR
WEEKNO
BILLRUNNO
SETTLEMENTDATE
PARTICIPANTID
REGIONID

BILLINGCPDATA

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
CONNECTIONPOINTID
MDA

BILLINGIRAUCSURPLUSUM

CONTRACTYEAR
WEEKNO
RESIDUEYEAR
QUARTER
BILLRUNNO
INTERCONNECTORID
FROMREGIONID
PARTICIPANTID

BILLINGAPCCOMPENSATION

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
REGIONID

BILLINGINTRARESIDUES

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
REGIONID

BILLINGREGIONIMPORTS

CONTRACTYEAR
WEEKNO
BILLRUNNO
REGIONID
IMPORTFROM

BILLINGREGIONEXPORTS

CONTRACTYEAR
WEEKNO
BILLRUNNO
REGIONID
EXPORTTO

BILLING_APC_RECOVERY

CONTRACTYEAR
WEEKNO
BILLRUNNO
APEVENTID
CLAIMID
PARTICIPANTID
REGIONID

BILLINGREALLOC_DETAIL

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
COUNTERPARTY
REALLOCATIONID

BILLINGREALLOC

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
COUNTERPARTY

BILLING_APC_COMPENSATION

CONTRACTYEAR
WEEKNO
BILLRUNNO
APEVENTID
CLAIMID

BILLING_GST_DETAIL

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
BAS_CLASS
TRANSACTION_TYPE

BILLINGIRPARTSURPLUSSUM

CONTRACTYEAR
WEEKNO
RESIDUEYEAR
QUARTER
BILLRUNNO
INTERCONNECTORID
FROMREGIONID
PARTICIPANTID

BILLINGIRFM

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID

BILLINGIRAUCSURPLUS

CONTRACTYEAR
WEEKNO
BILLRUNNO
CONTRACTID
PARTICIPANTID
INTERCONNECTORID
FROMREGIONID

BILLINGFEES

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
MARKETFEED
PARTICIPANTCATEGORYID

BILLINGINTERRESIDUES

INTERCONNECTORID
CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
REGIONID

BILLINGRUNTRK

CONTRACTYEAR
WEEKNO
BILLRUNNO

BILLINGREGIONFIGURES

CONTRACTYEAR
WEEKNO
BILLRUNNO
REGIONID

BILLING_CO2E_PUBLICATION

CONTRACTYEAR
WEEKNO
SETTLEMENTDATE
REGIONID

BILLING_CO2E_PUBLICATION_TRK

CONTRACTYEAR
WEEKNO

BILLING_NMAS_TST_PAYMENTS

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
SERVICE
CONTRACTID

BILLING_NMAS_TST_RECOVERY

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
SERVICE
CONTRACTID
REGIONID

BILLING_NMAS_TST_RECVRV_RBF

CONTRACTYEAR
WEEKNO
BILLRUNNO
SERVICE
CONTRACTID
REGIONID

BILLING_NMAS_TST_RECVRV_TRK

CONTRACTYEAR
WEEKNO
BILLRUNNO
RECOVERY_CONTRACTYEAR
RECOVERY_WEEKNO
RECOVERY_BILLRUNNO

BILLRESERVETRADERPAYMENT

CONTRACTYEAR
WEEKNO
BILLRUNNO
CONTRACTID
PAYMENT_ID

BILLING_DIRECTION_RECON_OTHER

CONTRACTYEAR
WEEKNO
BILLRUNNO
DIRECTION_ID
REGIONID

BILLING_EFTSHORTFALL_DETAIL

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
TRANSACTION_TYPE

BILLING_SECDEP_INTEREST_PAY

CONTRACTYEAR
WEEKNO
BILLRUNNO
SECURITY_DEPOSIT_ID
PARTICIPANTID

BILLING_EFTSHORTFALL_AMOUNT

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID

BILLING_SECDEPOSIT_APPLICATION

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID

BILLING_SECDEP_INTEREST_RATE

CONTRACTYEAR
WEEKNO
BILLRUNNO
INTEREST_ACCT_ID
EFFECTIVEDATE

BILLRESERVETRADERRECOVERY

CONTRACTYEAR
WEEKNO
BILLRUNNO
PUBLICATION_ID
PAYMENT_ID
PARTICIPANTID
REGIONID

BILLING_WDR

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID

BILLING_SUBST_RUN_VERSION

CONTRACTYEAR
WEEKNO
BILLRUNNO
REFERENCESETTLEMENTDATE
REFERENCESETTLEMENTRUNNO

BILLING_ENERGY_TRAN_SAPS

CONTRACTYEAR
WEEKNO
BILLRUNNO
PARTICIPANTID
TNI

BILLING_DIR_REC

CONTRACTYEAR
WEEKNO
BILLRUNNO
DIRECTION_ID
PARTICIPANTID
PARTICIPANTCATEGORY
REGIONID

BILLING_DIR_FINAL_AMOUNT

CONTRACTYEAR
WEEKNO
BILLRUNNO
DIRECTION_ID
PARTICIPANTID
COMPENSATION_TYPE

BILLING_DIR_FINAL

CONTRACTYEAR
WEEKNO
BILLRUNNO
DIRECTION_ID
PARTICIPANTID

BILLING_WDR_DETAIL
 CONTRACTYEAR
 WEEKNO
 BILLRUNNO
 WDRRRPERIOD
 REGIONID
 FRMP
 DRSP

BILLING_SUBST_DEMAND
 CONTRACTYEAR
 WEEKNO
 BILLRUNNO
 SETTLEMENTDATE
 TNI
 PARTICIPANTID

OVERY_DETAIL
 ID

BILLING_DIR_PROV_AMOUNT
 CONTRACTYEAR
 WEEKNO
 BILLRUNNO
 DIRECTION_ID
 PARTICIPANTID
 COMPENSATION_TYPE

AL_RECOVERY

BILLING_DIR_PROV_RECOVERY
 CONTRACTYEAR
 WEEKNO
 BILLRUNNO
 DIRECTION_ID
 PARTICIPANTID

10.3 Table: BILLING_APC_COMPENSATION

10.3.1 BILLING_APC_COMPENSATION

| | |
|---------|---|
| Name | BILLING_APC_COMPENSATION |
| Comment | Billing result table for APC compensation payments. |

10.3.2 Description

Updated with each billing run

10.3.3 Primary Key Columns

| |
|--------------|
| Name |
| APEVENTID |
| BILLRUNNO |
| CLAIMID |
| CONTRACTYEAR |
| WEEKNO |

10.3.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week number |
| BILLRUNNO | NUMBER(3) | X | Billing run number |
| APEVENTID | NUMBER(6) | X | AP Event Id |
| CLAIMID | NUMBER(6) | X | AP Event Claim Id |
| PARTICIPANTID | VARCHAR2(20) | | Participant identifier |
| COMPENSATION_AMOUNT | NUMBER(18,8) | | Payment amount to the participant |
| EVENT_TYPE | VARCHAR2(20) | | The Administered Price Event Type. Valid values: ENERGY, FCAS, BOTH |

| | | | |
|-------------------|--------------|--|--|
| COMPENSATION_TYPE | VARCHAR2(20) | | The Type of Administered Price Compensation Claim. Valid values: DIRECT_COST, OTHER_COST |
| LASTCHANGED | DATE | | The date and time of last changed record |

10.4 Table: BILLING_APC_RECOVERY

10.4.1 BILLING_APC_RECOVERY

| | |
|---------|--|
| Name | BILLING_APC_RECOVERY |
| Comment | Billing result table for recovery of APC compensation payments |

10.4.2 Description

Updated with each billing run

10.4.3 Primary Key Columns

Name
 APEVENTID
 BILLRUNNO
 CLAIMID
 CONTRACTYEAR
 PARTICIPANTID
 REGIONID
 WEEKNO

10.4.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|------------------------|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week number |
| BILLRUNNO | NUMBER(3) | X | Billing run number |
| APEVENTID | NUMBER(6) | X | AP Event Id |
| CLAIMID | NUMBER(6) | X | AP Event Claim Id |
| PARTICIPANTID | VARCHAR2(20) | X | Participant identifier |
| REGIONID | VARCHAR2(20) | X | Region Identifier |

| | | | |
|----------------------------|--------------|--|--|
| RECOVERY_AMOUNT | NUMBER(18,8) | | Recovery amount attributable to the participant in that region |
| ELIGIBILITY_START_INTERVAL | DATE | | The starting half hourly interval for the eligibility period for recovery of APC Payment |
| ELIGIBILITY_END_INTERVAL | DATE | | The ending half hourly interval for the eligibility period for recovery of APC Payment |
| PARTICIPANT_DEMAND | NUMBER(18,8) | | The participant demand in the cost recovery region |
| REGION_DEMAND | NUMBER(18,8) | | The sum of demand of all participants in the cost recovery region (Region Sum) |
| LASTCHANGED | DATE | | The date and time of last changed record |

10.5 Table: BILLING_CO2E_PUBLICATION

10.5.1 BILLING_CO2E_PUBLICATION

| | |
|---------|--|
| Name | BILLING_CO2E_PUBLICATION |
| Comment | Carbon Dioxide Intensity Index publication table |

10.5.2 Primary Key Columns

| |
|----------------|
| Name |
| CONTRACTYEAR |
| REGIONID |
| SETTLEMENTDATE |
| WEEKNO |

10.5.3 Index Columns

| |
|----------------|
| Name |
| CONTRACTYEAR |
| WEEKNO |
| SETTLEMENTDATE |
| REGIONID |

10.5.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|----------------------------|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week no |
| BILLRUNNO | NUMBER(3) | X | Billing run no |
| SETTLEMENTDATE | DATE | X | Settlement Date (Calendar) |
| REGIONID | VARCHAR(20) | X | Region identifier |

| | | | |
|--------------------|--------------|--|---|
| SENTOUTENERGY | NUMBER(18,8) | | Total sent out energy for region (MWh) |
| GENERATOREMISSIONS | NUMBER(18,8) | | Total generator emissions for region (Co2-e) |
| INTENSITYINDEX | NUMBER(18,8) | | Carbon Dioxide Intensity index for region (CO2-e/MWh) |

10.6 Table: BILLING_CO2E_PUBLICATION_TRK

10.6.1 BILLING_CO2E_PUBLICATION_TRK

Name BILLING_CO2E_PUBLICATION_TRK

Comment Carbon Dioxide Intensity Index publication tracking table

10.6.2 Primary Key Columns

Name

CONTRACTYEAR

WEEKNO

10.6.3 Index Columns

Name

CONTRACTYEAR

WEEKNO

10.6.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-----------|-----------|------------------------|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week no |
| BILLRUNNO | NUMBER(3) | | Billing run no |
| LASTCHANGED | DATE | | Last changed date time |

10.7 Table: BILLING_DAILY_ENERGY_SUMMARY

10.7.1 BILLING_DAILY_ENERGY_SUMMARY

| | |
|---------|--|
| Name | BILLING_DAILY_ENERGY_SUMMARY |
| Comment | Billing result table containing daily summary data for customer and generator energy amounts |

10.7.2 Description

BILLING_DAILY_ENERGY_SUMMARY data is confidential to the relevant participant.

Source

Populated by the posting of a billing run.

Volume

Approximately 20 records per billrunno.

10.7.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 REGIONID
 SETTLEMENTDATE
 WEEKNO

10.7.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|-----------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | Billing Week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing Run number |

| | | | |
|----------------------------|--------------|---|---|
| SETTLEMENTDATE | DATE | X | settlement date |
| PARTICIPANTID | VARCHAR2(20) | X | participant identifier |
| REGIONID | VARCHAR2(20) | X | Unique Region Identifier |
| CUSTOMER_ENERGY_PURCHASED | NUMBER(18,8) | | customer energy amount purchased on this settlement day by the participant in the region |
| GENERATOR_ENERGY_SOLD | NUMBER(18,8) | | generator energy amount sold on this settlement day by the participant in the region |
| GENERATOR_ENERGY_PURCHASED | NUMBER(18,8) | | generator energy amount purchased on this settlement day by the participant in the region |

10.8 Table: BILLING_DIR_FINAL_AMOUNT

10.8.1 BILLING_DIR_FINAL_AMOUNT

| | |
|---------|---|
| Name | BILLING_DIR_FINAL_AMOUNT |
| Comment | The Billing Final Directions Payment Amount for Directed/Affected/Eligible participants |

10.8.2 Primary Key Columns

| |
|-------------------|
| Name |
| BILLRUNNO |
| COMPENSATION_TYPE |
| CONTRACTYEAR |
| DIRECTION_ID |
| PARTICIPANTID |
| WEEKNO |

10.8.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | The Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | The Billing WeekNo |
| BILLRUNNO | NUMBER(3,0) | X | The Billing RunNo |
| DIRECTION_ID | VARCHAR2(20) | X | The Direction Unique Identifier |
| PARTICIPANTID | VARCHAR2(20) | X | The Direction Payment Participant ID |
| COMPENSATION_TYPE | VARCHAR2(40) | X | The Direction Payment Type, Directed_Comp, Affected_Comp, Eligible_Comp. |
| PROVISIONAL_AMOUNT | NUMBER(18,8) | | The Direction Provisional Payment Amount |
| FINAL_AMOUNT | NUMBER(18,8) | | The Direction Final Payment Amount |

| | | | |
|-------------|------|--|-------------------------------------|
| LASTCHANGED | DATE | | The Last datetime record is updated |
|-------------|------|--|-------------------------------------|

10.9 Table: BILLING_DIR_FINAL_RECOVERY

10.9.1 BILLING_DIR_FINAL_RECOVERY

| | |
|---------|---|
| Name | BILLING_DIR_FINAL_RECOVERY |
| Comment | The Billing Final Directions Recovery Amount for the participants |

10.9.2 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DIRECTION_ID

PARTICIPANTID

WEEKNO

10.9.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | The Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | The Billing WeekNo |
| BILLRUNNO | NUMBER(3,0) | X | The Billing RunNo |
| DIRECTION_ID | VARCHAR2(20) | X | The Direction Unique Identifier |
| PARTICIPANTID | VARCHAR2(20) | X | The Direction Payment Participant ID |
| CRA_AMOUNT | NUMBER(18,8) | | The Direction Compensation Recovery Amount |
| PROVISIONAL_AMOUNT | NUMBER(18,8) | | The Provisional Recovery Amount |
| FINAL_AMOUNT | NUMBER(18,8) | | The Final Recovery Amount |
| LASTCHANGED | DATE | | The Last datetime record is updated |

10.10 Table: BILLING_DIR_PROV_AMOUNT

10.10.1 BILLING_DIR_PROV_AMOUNT

| | |
|---------|---|
| Name | BILLING_DIR_PROV_AMOUNT |
| Comment | The Billing Provisional Directions Payment Amount for Directed/Affected/Eligible participants |

10.10.2 Primary Key Columns

| |
|-------------------|
| Name |
| BILLRUNNO |
| COMPENSATION_TYPE |
| CONTRACTYEAR |
| DIRECTION_ID |
| PARTICIPANTID |
| WEEKNO |

10.10.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | The Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | The Billing WeekNo |
| BILLRUNNO | NUMBER(3,0) | X | The Billing RunNo |
| DIRECTION_ID | VARCHAR2(20) | X | The Direction Unique Identifier |
| PARTICIPANTID | VARCHAR2(20) | X | The Direction Payment Participant ID |
| COMPENSATION_TYPE | VARCHAR2(40) | X | The Direction Payment Type, Directed_Comp, Affected_Comp, Eligible_Comp |
| COMPENSATION_AMOUNT | NUMBER(18,8) | | The Direction Payment Amount |
| LASTCHANGED | DATE | | The Last datetime record is updated |

10.11 Table: BILLING_DIR_PROV_RECOVERY

10.11.1 BILLING_DIR_PROV_RECOVERY

Name BILLING_DIR_PROV_RECOVERY

Comment The Billing Provisional Directions Recovery Amount for the participants

10.11.2 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DIRECTION_ID

PARTICIPANTID

WEEKNO

10.11.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | The Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | The Billing WeekNo |
| BILLRUNNO | NUMBER(3,0) | X | The Billing RunNo |
| DIRECTION_ID | VARCHAR2(20) | X | The Direction Unique Identifier |
| PARTICIPANTID | VARCHAR2(20) | X | The Direction Payment Participant ID |
| CRA_AMOUNT | NUMBER(18,8) | | The Direction Compensation Recovery Amount |
| RECOVERY_AMOUNT | NUMBER(18,8) | | The Direction Recovery Amount |
| LASTCHANGED | DATE | | The Last datetime record is updated |

10.12 Table: BILLING_DIR_RECOVERY_DETAIL

10.12.1 BILLING_DIR_RECOVERY_DETAIL

| | |
|---------|--|
| Name | BILLING_DIR_RECOVERY_DETAIL |
| Comment | The Billing Directions Recovery Details for the participants |

10.12.2 Primary Key Columns

| |
|-----------------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| DIRECTION_ID |
| PARTICIPANTCATEGORYID |
| PARTICIPANTID |
| REGIONID |
| WEEKNO |

10.12.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | The Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | The Billing WeekNo |
| BILLRUNNO | NUMBER(3,0) | X | The Billing RunNo |
| DIRECTION_ID | VARCHAR2(20) | X | The Direction Unique Identifier |
| PARTICIPANTID | VARCHAR2(20) | X | The Direction Payment Participant ID |
| PARTICIPANTCATEGORYID | VARCHAR2(20) | X | The Participant Category for recovery Customer/Generator /SmallGen |
| REGIONID | VARCHAR2(20) | X | The Region ID for the recovery |
| RECOVERY_AMOUNT | NUMBER(18,8) | | The Direction Recovery Amount |

| | | | |
|-----------------|--------------|--|---|
| RECOVERY_ENERGY | NUMBER(18,8) | | The Energy Value used for the Recovery |
| REGION_ENERGY | NUMBER(18,8) | | The total Energy at the Region ID |
| EXCLUDED_ENERGY | NUMBER(18,8) | | The Energy Value (Scheduled Loads) that is excluded |
| LASTCHANGED | DATE | | The Last datetime record is updated |

10.13 Table: BILLING_DIRECTION_RECON_OTHER

10.13.1 BILLING_DIRECTION_RECON_OTHER

| | |
|---------|---|
| Name | BILLING_DIRECTION_RECON_OTHER |
| Comment | Billing reconciliation result table for both provisional and final directions |

10.13.2 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DIRECTION_ID

REGIONID

WEEKNO

10.13.3 Index Columns

Name

CONTRACTYEAR

WEEKNO

BILLRUNNO

DIRECTION_ID

REGIONID

10.13.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-----------|-----------|-----------------------|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week no |
| BILLRUNNO | NUMBER(3) | X | Billing run no |

| | | | |
|---------------------------|---------------|---|---|
| DIRECTION_ID | VARCHAR2(20) | X | Direction identifier |
| REGIONID | VARCHAR2(20) | X | Region Identifier |
| DIRECTION_DESC | VARCHAR2(200) | | Direction description |
| DIRECTION_TYPE_ID | VARCHAR2(20) | | The service for which the direction occurred (ENERGY, ANCILLARY, NON_ENERGY_NON_AS, etc) |
| DIRECTION_START_DATE | DATE | | Settlement day on which the direction starts |
| DIRECTION_END_DATE | DATE | | Settlement day on which the direction ends. The same value for all regions |
| DIRECTION_START_INTERVAL | DATE | | Dispatch interval in which the direction starts. The same value for all regions |
| DIRECTION_END_INTERVAL | DATE | | Dispatch interval in which the direction ends. The same value for all regions |
| COMPENSATION_AMOUNT | NUMBER(18,8) | | The final compensation amount for the direction. The same value for all regions |
| INTEREST_AMOUNT | NUMBER(18,8) | | The interest amount calculated on the final compensation amount for the direction. The same value for all regions |
| INDEPENDENT_EXPERT_FEE | NUMBER(18,8) | | The independent expert fee amount for the direction. The same value for all regions |
| CRA | NUMBER(18,8) | | The total recovery amount for the direction. The same value for all regions |
| REGIONAL_CUSTOMER_ENERGY | NUMBER(18,8) | | The total customer energy for this region, over the duration of the direction |
| REGIONAL_GENERATOR_ENERGY | NUMBER(18,8) | | The total generator energy for this region, over the duration of the direction |
| REGIONAL_BENEFIT_FACTOR | NUMBER(18,8) | | The regional benefit factor allocated to this region for the direction |

10.14 Table: BILLING_DIRECTION_RECONCILIATN

10.14.1 BILLING_DIRECTION_RECONCILIATN

| | |
|---------|--|
| Name | BILLING_DIRECTION_RECONCILIATN |
| Comment | Billing reconciliation result table for both provisional and final directions using the FPP methodology (prior to 1st July 2011) |

10.14.2 Description

Source

BILLING_DIRECTION_RECONCILIATN is populated by the posting of a billing run.

Volume

One record inserted per direction per billing run, or 11 records inserted per week. Presently

10.14.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DIRECTION_ID

WEEKNO

10.14.4 Index Columns

Name

LASTCHANGED

10.14.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-----------|-----------|-----------------------|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week no |
| BILLRUNNO | NUMBER(3) | X | Billing run no |

| | | | |
|------------------------|---------------|---|--|
| DIRECTION_ID | VARCHAR2(20) | X | Direction identifier |
| DIRECTION_DESC | VARCHAR2(200) | | Direction description |
| DIRECTION_START_DATE | DATE | | Direction start date time |
| DIRECTION_END_DATE | DATE | | Direction end date time |
| COMPENSATION_AMOUNT | NUMBER(16,6) | | Direction compensation amount |
| INDEPENDENT_EXPERT_FEE | NUMBER(16,6) | | Independent expert fee charged on calculating direction compensation amount |
| INTEREST_AMOUNT | NUMBER(16,6) | | Interest occurred on direction compensation amount |
| CRA | NUMBER(16,6) | | Direction compensation recovery amount |
| NEM_FEE_ID | VARCHAR2(20) | | Fixed settlement fee identifier for direction purpose |
| NEM_FIXED_FEE_AMOUNT | NUMBER(16,6) | | Fixed settlement fee for participants between direction start and end date |
| MKT_CUSTOMER_PERC | NUMBER(16,6) | | Direction compensation recovery amount percentage breakdown among customers |
| GENERATOR_PERC | NUMBER(16,6) | | Direction compensation recovery amount percentage breakdown among generators |
| LASTCHANGED | DATE | | Last changed date time |

10.15 Table: BILLING_EFTSHORTFALL_AMOUNT

10.15.1 BILLING_EFTSHORTFALL_AMOUNT

| | |
|---------|-----------------------------------|
| Name | BILLING_EFTSHORTFALL_AMOUNT |
| Comment | The billing shortfall run amounts |

10.15.2 Description

BILLING_EFTSHORTFALL_AMOUNT data is confidential, and is available only to the relevant participant.

10.15.3 Primary Key Columns

| |
|---------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| PARTICIPANTID |
| WEEKNO |

10.15.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | The shortfall affected billing contract year |
| WEEKNO | NUMBER(3,0) | X | The shortfall affected billing week no |
| BILLRUNNO | NUMBER(3,0) | X | The shortfall affected billing week run no |
| PARTICIPANTID | VARCHAR2(20) | X | The participant affected by the shortfall calculation |
| SHORTFALL_AMOUNT | NUMBER(18,8) | | The Participant shortfall amount |
| SHORTFALL | NUMBER(18,8) | | The market shortfall amount |
| SHORTFALL_COMPANY_ID | VARCHAR2(20) | | The Company ID associated with the Participant ID used in the shortfall calculation |

| | | | |
|------------------------------|--------------|--|--|
| COMPANY_SHORTFALL_AMO UNT | NUMBER(18,8) | | The shortfall amount for the Company ID associated with the Participant ID used in the shortfall calculation |
| PARTICIPANT_NET_ENERGY | NUMBER(18,8) | | The participant NET energy used in shortfall calculation |
| COMPANY_NET_ENERGY | NUMBER(18,8) | | The NET energy for the Company ID associated with the Participant ID used in the shortfall calculation |

10.16 Table: BILLING_EFTSHORTFALL_DETAIL

10.16.1 BILLING_EFTSHORTFALL_DETAIL

| | |
|---------|--|
| Name | BILLING_EFTSHORTFALL_DETAIL |
| Comment | The Billing Shortfall Run Amount details |

10.16.2 Description

BILLING_EFTSHORTFALL_DETAIL data is confidential, and is available only to the relevant participant.

10.16.3 Primary Key Columns

| |
|------------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| PARTICIPANTID |
| TRANSACTION_TYPE |
| WEEKNO |

10.16.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | The shortfall affected billing contract year |
| WEEKNO | NUMBER(3,0) | X | The shortfall affected billing week no |
| BILLRUNNO | NUMBER(3,0) | X | The shortfall affected billing week run no |
| PARTICIPANTID | VARCHAR2(20) | X | The participant affected by the shortfall calculation |
| TRANSACTION_TYPE | VARCHAR2(40) | X | The transaction type details associated with the shortfall calculation |
| AMOUNT | NUMBER(18,8) | | The amount for each transaction type |

10.17 Table: BILLING_ENERGY_TRAN_SAPS

10.17.1 BILLING_ENERGY_TRAN_SAPS

| | |
|---------|--|
| Name | BILLING_ENERGY_TRAN_SAPS |
| Comment | The SAP Billing Transaction Details for the Participants |

10.17.2 Primary Key Columns

| |
|---------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| PARTICIPANTID |
| TNI |
| WEEKNO |

10.17.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | The Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | The Billing WeekNo |
| BILLRUNNO | NUMBER(3,0) | X | The Billing RunNo |
| PARTICIPANTID | VARCHAR2(20) | X | The SAP Participant ID |
| TNI | VARCHAR2(20) | X | The SAPS Connection Point ID |
| REGIONID | VARCHAR2(20) | | The Region ID associated with the TNI |
| CONSUMED_ENERGY_MWH | NUMBER(18,8) | | The Energy MWh Consumed for that TNI for the Participant Id in that Billing Week |
| SENTOUT_ENERGY_MWH | NUMBER(18,8) | | The Energy MWh Sent Out for the TNI for the Participant Id in that Billing Week |
| CONSUMED_ENERGY_COST | NUMBER(18,8) | | The Cost of the Consumed Energy |
| SENTOUT_ENERGY_COST | NUMBER(18,8) | | The Cost of the Sent Out Energy |

| | | | |
|-------------|------|--|-------------------------------------|
| LASTCHANGED | DATE | | The Last datetime record is updated |
|-------------|------|--|-------------------------------------|

10.18 Table: BILLING_GST_DETAIL

10.18.1 BILLING_GST_DETAIL

| | |
|---------|--|
| Name | BILLING_GST_DETAIL |
| Comment | BILLING_GST_DETAIL shows the BAS class, GST_Exclusive and GST amount (if any) attributable to a participant for each transaction type. |

10.18.2 Description

BILLING_GST_DETAIL data is confidential to NSP participants.

Source

Populated by the posting of a billing run.

Volume

Approximately 20 records are inserted per billrunno, or about 220 records inserted per week.

10.18.3 Primary Key Columns

Name

BAS_CLASS

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

TRANSACTION_TYPE

WEEKNO

10.18.4 Index Columns

Name

LASTCHANGED

10.18.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|----------------------|--------------|---|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| BAS_CLASS | VARCHAR2(30) | X | The BAS classification that the transaction type belongs to. |
| TRANSACTION_TYPE | VARCHAR2(30) | X | The transaction type (e.g. CUSTOMER_ENERGY_PURCHASES) |
| GST_EXCLUSIVE_AMOUNT | NUMBER(15,5) | | The GST exclusive amount paid by/to the participant to/by AEMO for this transaction type. |
| GST_AMOUNT | NUMBER(15,5) | | The GST amount for this transaction type. |
| LASTCHANGED | DATE | | Last date and time record changed |

10.19 Table: BILLING_GST_SUMMARY

10.19.1 BILLING_GST_SUMMARY

| | |
|---------|---|
| Name | BILLING_GST_SUMMARY |
| Comment | BILLING_GST_SUMMARY shows the GST_Exclusive and GST amount (if any) attributable to a participant for each BAS class. |

10.19.2 Description

BILLING_GST_SUMMARY data is confidential to NSP participants.

Source

Populated by the posting of a billing run.

Volume

Approximately 5 records are inserted per billrunno, or about 55 records inserted per week.

10.19.3 Primary Key Columns

Name
 BAS_CLASS
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 WEEKNO

10.19.4 Index Columns

Name
 LASTCHANGED

10.19.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---------------------------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in |

| | | | |
|----------------------|--------------|---|---|
| | | | week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| BAS_CLASS | VARCHAR2(30) | X | The BAS classification |
| GST_EXCLUSIVE_AMOUNT | NUMBER(15,5) | | The GST exclusive amount paid by/to the participant to/by AEMO for this BAS classification. |
| GST_AMOUNT | NUMBER(15,5) | | The GST amount for this BAS classification. |
| LASTCHANGED | DATE | | Last date and time record changed |

10.20 Table: BILLING_NMAS_TST_PAYMENTS

10.20.1 BILLING_NMAS_TST_PAYMENTS

| | |
|---------|--|
| Name | BILLING_NMAS_TST_PAYMENTS |
| Comment | BILLING_NMAS_TEST_PAYMENTS publish the NSCAS/SRAS Testing Payments data for a posted billing week. |

10.20.2 Primary Key Columns

| |
|---------------|
| Name |
| BILLRUNNO |
| CONTRACTID |
| CONTRACTYEAR |
| PARTICIPANTID |
| SERVICE |
| WEEKNO |

10.20.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1 January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1 January |
| BILLRUNNO | NUMBER(3,0) | X | The current Billing RunNo for the week |
| PARTICIPANTID | VARCHAR(20) | X | The Participant from whom the amount is recovered |
| SERVICE | VARCHAR(10) | X | The type of NSCAS service. Current value values are: - REACTIVE - LOADSHED |

| | | | |
|----------------|--------------|---|---------------------------------------|
| CONTRACTID | VARCHAR(10) | X | The NMAS Contract Id |
| PAYMENT_AMOUNT | NUMBER(18,8) | | The Testing Payment Amount to recover |

10.21 Table: BILLING_NMAS_TST_RECOVERY

10.21.1 BILLING_NMAS_TST_RECOVERY

| | |
|---------|---|
| Name | BILLING_NMAS_TST_RECOVERY |
| Comment | BILLING_NMAS_TEST_RECOVERY sets out the recovery of NMAS testing payments |

10.21.2 Primary Key Columns

| |
|---------------|
| Name |
| BILLRUNNO |
| CONTRACTID |
| CONTRACTYEAR |
| PARTICIPANTID |
| REGIONID |
| SERVICE |
| WEEKNO |

10.21.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

10.21.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1 January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1 January |
| BILLRUNNO | NUMBER(3,0) | X | The current Billing RunNo for the week |

| | | | |
|------------------------|--------------|---|---|
| PARTICIPANTID | VARCHAR(20) | X | The Participant from whom the amount is recovered |
| SERVICE | VARCHAR(10) | X | The type of NSCAS service. Current value values are: - REACTIVE - LOADSHED - RESTART |
| CONTRACTID | VARCHAR(10) | X | The NMAS Contract Id |
| REGIONID | VARCHAR(10) | X | The region from where the amount is recovered |
| RBF | NUMBER(18,8) | | The Benefitting Factor for the RegionId |
| TEST_PAYMENT | NUMBER(18,8) | | The total Testing Payment Amount to recover from all benefitting regions |
| RECOVERY_START_DATE | DATE | | The Recovery Start Date for the Testing Payment Calculation |
| RECOVERY_END_DATE | DATE | | The Recovery End Date for the Testing Payment Calculation |
| PARTICIPANT_ENERGY | NUMBER(18,8) | | The Participant energy in MWh for the recovery period |
| REGION_ENERGY | NUMBER(18,8) | | The RegionId energy in MWh for the recovery period |
| NEM_ENERGY | NUMBER(18,8) | | The NEM energy in MWh for the recovery period |
| CUSTOMER_PROPORTION | NUMBER(18,8) | | The Customer Proportion for recovery amount in Percent |
| GENERATOR_PROPORTION | NUMBER(18,8) | | The Generator Proportion for recovery amount in Percent (100-Customer Portion) |
| PARTICIPANT_GENERATION | NUMBER(18,8) | | The Participant Generation for the recovery period |
| NEM_GENERATION | NUMBER(18,8) | | The NEM Generation for the recovery period |
| RECOVERY_AMOUNT | NUMBER(18,8) | | The Total recovery amount for the billing week, being the sum of the customer and generator proportions for the |

| | | | |
|-------------|------|--|--------------------------------|
| | | | PARTICIPANTID in REGIONID |
| LASTCHANGED | DATE | | The Last Updated date and time |

10.22 Table: BILLING_NMAS_TST_RECVRY_RBF

10.22.1 BILLING_NMAS_TST_RECVRY_RBF

| | |
|---------|---|
| Name | BILLING_NMAS_TST_RECVRY_RBF |
| Comment | BILLING_NMAS_TEST_RECVRY_RBF sets out the NSCAS/SRAS Testing Payment recovery data for the posted billing week. |

10.22.2 Primary Key Columns

| |
|--------------|
| Name |
| BILLRUNNO |
| CONTRACTID |
| CONTRACTYEAR |
| REGIONID |
| SERVICE |
| WEEKNO |

10.22.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

10.22.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1 January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1 January |
| BILLRUNNO | NUMBER(3,0) | X | The current Billing RunNo for the week |
| SERVICE | VARCHAR(10) | X | The type of NSCAS service. Current value values are: |

| | | | |
|-----------------|--------------|---|--|
| | | | - REACTIVE - LOADSHED |
| CONTRACTID | VARCHAR(10) | X | The NMAS Contract Id |
| REGIONID | VARCHAR(10) | X | The region from where the amount is recovered |
| RBF | NUMBER(18,8) | | The Benefitting Factor for the RegionId |
| PAYMENT_AMOUNT | NUMBER(18,8) | | The total Testing Payment Amount to recover from all benefitting regions |
| RECOVERY_AMOUNT | NUMBER(18,8) | | The Testing Payment amount to recover from RegionId |
| LASTCHANGED | DATE | | The Last Updated date and time |

10.23 Table: BILLING_NMAS_TST_RECVRY_TRK

10.23.1 BILLING_NMAS_TST_RECVRY_TRK

| | |
|---------|--|
| Name | BILLING_NMAS_TST_RECVRY_TRK |
| Comment | BILLING_NMAS_TEST_RECVRY_TRK tracks the energy data used to allocate the test payment recovery over the recovery period. |

10.23.2 Primary Key Columns

| |
|-----------------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| RECOVERY_BILLRUNNO |
| RECOVERY_CONTRACTYEAR |
| RECOVERY_WEEKNO |
| WEEKNO |

10.23.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|-------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1 January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1 January |
| BILLRUNNO | NUMBER(3,0) | X | The current Billing RunNo for the week |
| RECOVERY_CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year for energy data used in recovery calculation |
| RECOVERY_WEEKNO | NUMBER(3,0) | X | Week no for energy data used in recovery calculation |
| RECOVERY_BILLRUNNO | NUMBER(3,0) | X | Billing RunNo for energy data used in recovery calculation |

10.24 Table: BILLING_SECDEP_INTEREST_PAY

10.24.1 BILLING_SECDEP_INTEREST_PAY

| | |
|---------|--|
| Name | BILLING_SECDEP_INTEREST_PAY |
| Comment | The interest amount for security deposit calculated by billing, based on whether it is a fixed/floating rate |

10.24.2 Description

BILLING_SECDEP_INTEREST_PAY data is confidential, and is available only to the relevant participant.

10.24.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 SECURITY_DEPOSIT_ID
 WEEKNO

10.24.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | The billing contract year the SDA application is processed and interest calculated |
| WEEKNO | NUMBER(3,0) | X | The billing week no. the SDA application is processed and interest calculated |
| BILLRUNNO | NUMBER(3,0) | X | The billing run no. the SDA application is processed and interest calculated |
| SECURITY_DEPOSIT_ID | VARCHAR2(20) | X | The security deposit ID for which billing has calculated the Interest amount |
| PARTICIPANTID | VARCHAR2(20) | X | The participant ID of the security deposit for whom the interest is paid |

| | | | |
|--------------------|--------------|--|--|
| INTEREST_AMOUNT | NUMBER(18,8) | | The security deposit interest amount calculated by billing |
| INTEREST_CALC_TYPE | VARCHAR2(20) | | FIXED or DAILY |
| INTEREST_ACCT_ID | VARCHAR2(20) | | The interest account ID used by billing for calculating the interest. NULL if INTEREST_CALC_TYPE = FIXED |
| INTEREST_RATE | NUMBER(18,8) | | The STATIC Interest Rate used by Billing for calculating the interest. This is NULL if INTEREST_CALC_TYPE <> FIXED |

10.25 Table: BILLING_SECDEP_INTEREST_RATE

10.25.1 BILLING_SECDEP_INTEREST_RATE

| | |
|---------|---|
| Name | BILLING_SECDEP_INTEREST_RATE |
| Comment | The DAILY interest rates used by billing when calculating the interest amount |

10.25.2 Primary Key Columns

| |
|------------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| EFFECTIVEDATE |
| INTEREST_ACCT_ID |
| WEEKNO |

10.25.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | The billing contract year the SDA application is processed and interest calculated |
| WEEKNO | NUMBER(3,0) | X | The billing week no. the SDA application is processed and interest calculated |
| BILLRUNNO | NUMBER(3,0) | X | The billing run no. the SDA application is processed and interest calculated |
| INTEREST_ACCT_ID | VARCHAR2(20) | X | The interest account ID used by security deposit interest calculation |
| EFFECTIVEDATE | DATE | X | The effective date of the new interest change |
| INTEREST_RATE | NUMBER(18,8) | | The interest rate to apply from the effective date |

10.26 Table: BILLING_SECDEPOSIT_APPLICATION

10.26.1 BILLING_SECDEPOSIT_APPLICATION

| | |
|---------|--|
| Name | BILLING_SECDEPOSIT_APPLICATION |
| Comment | The security deposit application details |

10.26.2 Description

BILLING_SECDEPOSIT_APPLICATION data is confidential, and is available only to the relevant participant.

10.26.3 Primary Key Columns

| |
|---------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| PARTICIPANTID |
| WEEKNO |

10.26.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | The billing contract year where (security deposit application) SDA is applied |
| WEEKNO | NUMBER(3,0) | X | The billing week no. where the SDA is applied |
| BILLRUNNO | NUMBER(3,0) | X | The billing run no. where the SDA is applied |
| PARTICIPANTID | VARCHAR2(20) | X | The Participant ID lodging the SDA |
| APPLICATION_AMOUNT | NUMBER(18,8) | | The SDA application amount |

10.27 Table: BILLING_SUBST_DEMAND

10.27.1 BILLING_SUBST_DEMAND

| | |
|---------|--|
| Name | BILLING_SUBST_DEMAND |
| Comment | Demand Values Substituted in Billing Calculation |

10.27.2 Primary Key Columns

| |
|----------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| PARTICIPANTID |
| SETTLEMENTDATE |
| TNI |
| WEEKNO |

10.27.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing contract year |
| WEEKNO | NUMBER(3,0) | X | Billing week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing run number |
| SETTLEMENTDATE | DATE | X | Settlement Date |
| TNI | VARCHAR2(20) | X | Unique identifier for the connection point |
| PARTICIPANTID | VARCHAR2(20) | X | Unique identifier for the participant |
| REGIONID | VARCHAR2(20) | | Unique identifier for the region to which the TNI belongs to on this settlement date |
| SUBSTITUTEDEMAND | NUMBER(18,8) | | Substitute metered quantity for non-energy recovery in MWh for the TNI and participant in the trading interval. A negative value indicates net consumption and a positive value indicates net |

| | | | |
|--|--|--|------------|
| | | | generation |
|--|--|--|------------|

10.28 Table: BILLING_SUBST_RUN_VERSION

10.28.1 BILLING_SUBST_RUN_VERSION

Name BILLING_SUBST_RUN_VERSION

Comment Details of settlement runs used as input in the substitute demand calculation

10.28.2 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

REFERENCESETTLEMENTDATE

REFERENCESETTLEMENTRUNNO

WEEKNO

10.28.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------------------|-------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing contract year |
| WEEKNO | NUMBER(3,0) | X | Billing week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing run number |
| REFERENCESETTLEMENTDATE | DATE | X | Settlement Date |
| REFERENCESETTLEMENTRUNNO | NUMBER(3,0) | X | The settlement run number matching the settlement date for a settlement run included in the reference period |

10.29 Table: BILLING_WDR

10.29.1 BILLING_WDR

| | |
|---------|--|
| Name | BILLING_WDR |
| Comment | Billing WDR Transaction Weekly Summary |

10.29.2 Primary Key Columns

| |
|---------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| PARTICIPANTID |
| WEEKNO |

10.29.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|-------------------------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | Contract year of the Billing run |
| WEEKNO | NUMBER(3,0) | X | Week number of the Billing run |
| BILLRUNNO | NUMBER(3,0) | X | Billing run number identifier |
| PARTICIPANTID | VARCHAR2(20) | X | DRSP or FRMP Participant Identifier |
| WDR_CREDIT_AMOUNT | NUMBER(18,8) | | WDR credit transaction amount |
| WDR_DEBIT_AMOUNT | NUMBER(18,8) | | WDR debit transaction amount |

10.30 Table: BILLING_WDR_DETAIL

10.30.1 BILLING_WDR_DETAIL

| | |
|---------|--|
| Name | BILLING_WDR_DETAIL |
| Comment | Billing WDR transaction detail summary |

10.30.2 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

DRSP

FRMP

REGIONID

WDRRRPERIOD

WEEKNO

10.30.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | Contract year of the Billing run |
| WEEKNO | NUMBER(3,0) | X | Week number of the Billing run |
| BILLRUNNO | NUMBER(3,0) | X | Billing run number identifier |
| WDRRRPERIOD | VARCHAR2(20) | X | Unique identifier for the period to which the WDRRR applies. For quarter-based periods, this will be equal to YYYY[Q]NN, for example, 2020Q3 for 2020 Quarter 3. |
| REGIONID | VARCHAR2(20) | X | Region identifier |
| FRMP | VARCHAR2(20) | X | Financial Responsible Market Participant Identifier |
| DRSP | VARCHAR2(20) | X | Demand Response Service Provider |

| | | | Identifier |
|-------|--------------|--|--|
| WDRSQ | NUMBER(18,8) | | WDR Settlement Quantity capped in MWh |
| WDRRR | NUMBER(18,8) | | WDR reimbursement rate in \$/MWh |
| WDRTA | NUMBER(18,8) | | WDR transaction amount in \$ for demand response |

10.31 Table: BILLINGAPCCOMPENSATION

10.31.1 BILLINGAPCCOMPENSATION

| | |
|---------|--|
| Name | BILLINGAPCCOMPENSATION |
| Comment | BILLINGAPCCOMPENSATION shows Administered Price Cap (APC) compensation amounts for the billing period. Data is for each participant by region. |

10.31.2 Description

Updated with each billing run

10.31.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 REGIONID
 WEEKNO

10.31.4 Index Columns

Name
 LASTCHANGED

10.31.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year |

| | | | |
|-----------------|--------------|---|-------------------------------|
| | | | and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| APCCOMPENSATION | NUMBER(15,5) | | APC Compensation |
| LASTCHANGED | DATE | | Last changed date and time |

10.32 Table: BILLINGAPCRECOVERY

10.32.1 BILLINGAPCRECOVERY

Name BILLINGAPCRECOVERY

Comment BILLINGAPCRECOVERY shows the Administered Price Cap (APC) Recovery for the billing period. Data is for each participant by region.

10.32.2 Description

Source

Obsolete; was updated weekly with each billing run.

10.32.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

10.32.4 Index Columns

Name

LASTCHANGED

10.32.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|--------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | Contract year |
| WEEKNO | NUMBER(3,0) | X | Billing week |
| BILLRUNNO | NUMBER(3,0) | X | Billing run number |

| | | | |
|---------------|--------------|---|-----------------------------------|
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| APCRECOVERY | NUMBER(15,0) | | APC Recovery amount for week |
| LASTCHANGED | DATE | | Last date and time record changed |

10.33 Table: BILLINGASPAYMENTS

10.33.1 BILLINGASPAYMENTS

Name BILLINGASPAYMENTS

Comment BILLINGASPAYMENTS shows Ancillary Service payments for each billing period by each of the Ancillary Service types for each participant's connection points.

10.33.2 Description

BILLINGASPAYMENTS data is confidential to relevant participant.

Source

Updated with each billing run.

Volume

The volume is according to the number of Transmission ConnectionPointIDs a Participant may have subject to ancillary payment per billrunno. An indicative maximum is approximately 20 records are inserted per billrunno, or about 220 records inserted per week.

10.33.3 Primary Key Columns

Name

BILLRUNNO

CONNECTIONPOINTID

CONTRACTYEAR

PARTICIPANTID

WEEKNO

10.33.4 Index Columns

Name

LASTCHANGED

10.33.5 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|-------------------------------|--------------|-----|--|
| REGIONID | VARCHAR2(10) | | Region Identifier |
| CONTRACTYEAR | NUMBER(4,0) | X | Contract Year |
| WEEKNO | NUMBER(3,0) | X | Week No |
| BILLRUNNO | NUMBER(3,0) | X | Billing Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Connection point identifier |
| RAISE6SEC | NUMBER(15,5) | | Raise 6 Sec Payments |
| LOWER6SEC | NUMBER(15,5) | | Lower 6 Sec Payments |
| RAISE60SEC | NUMBER(15,5) | | Raise 60 Sec Payments |
| LOWER60SEC | NUMBER(15,5) | | Lower 60 Sec Payments |
| AGC | NUMBER(15,5) | | AGC Payments |
| FCASCOMP | NUMBER(15,5) | | Frequency Control Compensation Payments |
| LOADSHED | NUMBER(15,5) | | Load Shed Payments |
| RGUL | NUMBER(15,5) | | Rapid Generator unit Loading Payments |
| RGUU | NUMBER(15,5) | | Rapid Generator Unit Unloading Payments |
| REACTIVEPOWER | NUMBER(15,5) | | Reactive Power Payments |
| SYSTEMRESTART | NUMBER(15,5) | | System Restart Payments |
| LASTCHANGED | DATE | | The latest date and time that a file was updated or inserted |
| LOWER5MIN | NUMBER(15,5) | | Lower 5 Minute Payment |
| RAISE5MIN | NUMBER(15,5) | | Raise 5 Minute Payment |
| LOWERREG | NUMBER(15,5) | | Lower 5 Minute Regulation Payment |
| RAISEREG | NUMBER(15,5) | | Raise 5 Minute Regulation Payment |
| AVAILABILITY_REACTIVE | NUMBER(18,8) | | The total availability payment |
| AVAILABILITY_REACTIVE_RB T | NUMBER(18,8) | | The total availability payment rebate |

| | | | |
|-----------|--------------|--|--|
| RAISE1SEC | NUMBER(18,8) | | Payment amount for the very fast raise service |
| LOWER1SEC | NUMBER(18,8) | | Payment amount for the very fast lower service |

10.34 Table: BILLINGASRECOVERY

10.34.1 BILLINGASRECOVERY

Name BILLINGASRECOVERY

Comment BILLINGASRECOVERY shows participant charges for Ancillary Services for the billing period. This view shows the billing amounts for Ancillary Service Recovery.

10.34.2 Description

BILLINGASRECOVERY data is confidential to relevant participant.

Source

Updated with each billing run.

Volume

Approximately 5 records are inserted per billrunno, or about 55 records inserted per week.

10.34.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

10.34.4 Index Columns

Name

LASTCHANGED

10.34.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|----------------|--------------|---|--|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| CONTRACTYEAR | NUMBER(4,0) | X | Contract Year |
| WEEKNO | NUMBER(3,0) | X | Week No |
| BILLRUNNO | NUMBER(3,0) | X | Billing Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| RAISE6SEC | NUMBER(15,5) | | Raise 6 Sec Recovery |
| LOWER6SEC | NUMBER(15,5) | | Lower 6 Sec Recovery |
| RAISE60SEC | NUMBER(15,5) | | Raise 60 Sec Recovery |
| LOWER60SEC | NUMBER(15,5) | | Lower 60 Sec Recovery |
| AGC | NUMBER(15,5) | | AGC Recovery - Not used since circa 2000 |
| FCASCOMP | NUMBER(15,5) | | Frequency Control Compensation Recovery - Not used since circa 2000 |
| LOADSHED | NUMBER(15,5) | | Load Shed Recovery |
| RGUL | NUMBER(15,5) | | Rapid Generator Unit Loading Recovery - Not used since December 2001 |
| RGUU | NUMBER(15,5) | | Rapid Generator Unit Unloading Recovery - Not used since December 2001 |
| REACTIVEPOWER | NUMBER(15,5) | | Reactive Power Recovery |
| SYSTEMRESTART | NUMBER(15,5) | | System Restart Recovery |
| LASTCHANGED | DATE | | The latest date and time a file was updated/inserted |
| RAISE6SEC_GEN | NUMBER(15,5) | | Raise 6 Sec Recovery for Generator |
| LOWER6SEC_GEN | NUMBER(15,5) | | Lower 6 Sec Recovery for Generator |
| RAISE60SEC_GEN | NUMBER(15,5) | | Raise 60 Sec Recovery for Generator |
| LOWER60SEC_GEN | NUMBER(15,5) | | Lower 60 Sec Recovery for Generator |
| AGC_GEN | NUMBER(15,5) | | AGC Recovery for Generator |
| FCASCOMP_GEN | NUMBER(15,5) | | Frequency Control Compensation Recovery for Generator |

| | | | |
|-------------------------------|--------------|--|---|
| LOADSHED_GEN | NUMBER(15,5) | | Load Shed Recovery for Generator |
| RGUL_GEN | NUMBER(15,5) | | Rapid Generator unit Loading Recovery for. Generator - Not used since December 2001 |
| RGUU_GEN | NUMBER(15,5) | | Rapid Generator Unit Unloading Recovery for Generator - Not used since December 2001 |
| REACTIVEPOWER_GEN | NUMBER(15,5) | | Reactive Power Recovery for Generator |
| SYSTEMRESTART_GEN | NUMBER(15,5) | | System Restart Recovery for Generator |
| LOWER5MIN | NUMBER(15,5) | | Recovery amount for the Lower 5 Minute service attributable to customer connection points |
| RAISE5MIN | NUMBER(15,5) | | Recovery amount for the Raise 5 Minute service attributable to customer connection points |
| LOWERREG | NUMBER(15,5) | | Recovery amount for the Lower Regulation service attributable to customer connection points |
| RAISEREG | NUMBER(15,5) | | Recovery amount for the Raise Regulation Second service attributable to customer connection points |
| LOWER5MIN_GEN | NUMBER(16,6) | | Recovery amount for the Lower 5 Minute service attributable to generator connection points |
| RAISE5MIN_GEN | NUMBER(16,6) | | Recovery amount for the Raise 5 Minute service attributable to generator connection points |
| LOWERREG_GEN | NUMBER(16,6) | | Recovery amount for the Lower Regulation service attributable to generator connection points |
| RAISEREG_GEN | NUMBER(16,6) | | Recovery amount for the Raise Regulation Second service attributable to generator connection points |
| AVAILABILITY_REACTIVE | NUMBER(18,8) | | The total availability payment recovery amount (customer). |
| AVAILABILITY_REACTIVE_RB T | NUMBER(18,8) | | The total availability payment rebate recovery amount (customer). |
| AVAILABILITY_REACTIVE_GE | NUMBER(18,8) | | The total availability payment recovery |

| | | | |
|--------------------------------|--------------|--|--|
| N | | | amount (Generator). |
| AVAILABILITY_REACTIVE_REBT_GEN | NUMBER(18,8) | | The total availability payment rebate recovery amount (Generator). |
| RAISE1SEC | NUMBER(18,8) | | Customer recovery amount for the very fast raise service |
| LOWER1SEC | NUMBER(18,8) | | Customer recovery amount for the very fast lower service |
| RAISE1SEC_GEN | NUMBER(18,8) | | Generator recovery amount for the very fast raise service |
| LOWER1SEC_GEN | NUMBER(18,8) | | Generator recovery amount for the very fast lower service |

10.35 Table: BILLINGCPDATA

10.35.1 BILLINGCPDATA

| | |
|---------|--|
| Name | BILLINGCPDATA |
| Comment | BILLINGCPDATA shows energy quantity and \$ value purchased per participant connection point. |

10.35.2 Description

BILLINGCPDATA data is confidential to relevant participant.

Source

Populated by the posting of a billing run, being several times each week.

Volume

The number of records depends on the number of Transmission ConnectionPointIDs a participant may use to purchase energy. An indicative maximum is approximately 150 records per billrunno, or about 1,500 records inserted per week.

10.35.3 Primary Key Columns

- Name
- BILLRUNNO
- CONNECTIONPOINTID
- CONTRACTYEAR
- MDA
- PARTICIPANTID
- WEEKNO

10.35.4 Index Columns

- Name
- LASTCHANGED

10.35.5 Index Columns

Name

PARTICIPANTID

10.35.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Unique connection point identifier |
| AGGREGATEENERGY | NUMBER(16,6) | | Aggregate energy purchased/sold by customer, in MWh, plus UFEA. When GS commences, this includes the UFEA amount in the settlement runs. |
| PURCHASES | NUMBER(16,6) | | The Purchase column has the dollar value of the Energy Purchased rather than Aggregate Energy Dollar |
| LASTCHANGED | DATE | | Last date and time record changed |
| MDA | VARCHAR2(10) | X | relevant MDA for this connection point. |
| AFE | NUMBER(18,8) | | Adjusted Gross Energy for this Market Customer FRMP and TNI in the Billing run, excluding any UFEA component. |
| DME | NUMBER(18,8) | | Sum of ME- for all NMIs at this Market Customer FRMP and TNI in the Billing run. |
| UFEA | NUMBER(18,8) | | Share of UFE allocated to this FRMP and TNI in the Billing run. |
| AGE | NUMBER(18,8) | | Adjusted Gross Energy for this Market Customer FRMP and TNI in the trading interval. This will include the UFEA value once financial settlement of UFE |

| | | | |
|-----------------|--------------|--|--|
| | | | commences with GS. |
| SOLDENERGY | NUMBER(18,8) | | Energy sold at the connection point by the participant in this billing run |
| SALES | NUMBER(18,8) | | The total cost of energy sold at the connection point by the participant in this billing run |
| PURCHASEDENERGY | NUMBER(18,8) | | The energy consumed at the connection point by the participant in this billing run |

10.36 Table: BILLINGDAYTRK

10.36.1 BILLINGDAYTRK

| | |
|---------|--|
| Name | BILLINGDAYTRK |
| Comment | BILLINGDAYTRK is key for matching settlement versions with billing runs. BILLINGDAYTRK displays the billrunnos per billing week, and the settlement version numbers per settlement day comprising the billrunno. |

10.36.2 Description

BILLINGDAYTRK is public data, and is available to all participants.

Source

BILLINGDAYTRK is populated by the posting of a billing run, being several times each week.

Volume

Each billing run inserts approximately 7 records, being about 77 records per week.

10.36.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 SETTLEMENTDATE
 WEEKNO

10.36.4 Index Columns

Name
 LASTCHANGED

10.36.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---------------------------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in |

| | | | |
|----------------|-------------|---|--|
| | | | week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date contained in the billing run. |
| RUNNO | NUMBER(3,0) | | Settlement run number used for each settlement date in that billing run. |
| LASTCHANGED | DATE | | Last date and time record changed |

10.37 Table: BILLINGFEES

10.37.1 BILLINGFEES

| | |
|---------|---|
| Name | BILLINGFEES |
| Comment | BILLINGFEES presents pool fees applied to the statement, per billing run. |

10.37.2 Description

BILLINGFEES data is confidential to the relevant participant.

Source

BILLINGFEES is populated by the posting of a billing run, being several times each week.

Volume

The number of records varies according to the number of pool fee types the participant may be subject to. An indicative maximum is about 13 records inserted per billrunno or 143 records inserted per week.

10.37.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
MARKETFEEID
PARTICIPANTCATEGORYID
PARTICIPANTID
WEEKNO

10.37.4 Index Columns

Name
LASTCHANGED

10.37.5 Index Columns

Name

PARTICIPANTID

10.37.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| MARKETFEEID | VARCHAR2(10) | X | Market fee identifier |
| RATE | NUMBER(15,5) | | Market fee rate |
| ENERGY | NUMBER(16,6) | | Energy, in MWh |
| VALUE | NUMBER(15,5) | | Fee in \$ |
| LASTCHANGED | DATE | | Last date and time record changed |
| PARTICIPANTCATEGORYID | VARCHAR2(10) | X | The participant category pertaining to the market fee recovery. Corresponds to the PARTICIPANTCATEGORYID column of the SETMARKETFEES table. |

10.38 Table: BILLINGFINANCIALADJUSTMENTS

10.38.1 BILLINGFINANCIALADJUSTMENTS

| | |
|---------|--|
| Name | BILLINGFINANCIALADJUSTMENTS |
| Comment | BILLINGFINANCIALADJUSTMENTS contains any manual adjustments included in the billing run. |

10.38.2 Description

BILLINGFINANCIALADJUSTMENTS data is confidential to the relevant participant.

Source

BILLINGFINANCIALADJUSTMENTS is populated by the posting of a billing run, being several times each week. The insertion of a manual adjustment in a billing run is infrequent.

Volume

Infrequent and, if included in a billing run, low volume. An indicative maximum is 15 records inserted.

10.38.3 Primary Key Columns

Name
 ADJUSTMENTITEM
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 WEEKNO

10.38.4 Index Columns

Name
 LASTCHANGED

10.38.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
|------|-----------|-----------|---------|

| | | | |
|-----------------|--------------|---|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| PARTICIPANTTYPE | VARCHAR2(10) | | Not Used |
| ADJUSTMENTITEM | VARCHAR2(64) | X | Description of the adjustment being made |
| AMOUNT | NUMBER(15,5) | | The amount of the manual adjustment line item |
| VALUE | NUMBER(15,5) | | Not Used |
| LASTCHANGED | DATE | | Last date and time the record changed. |
| FINANCIALCODE | NUMBER(10,0) | | The GL financial code of the manual adjustment line item. Used internally by AEMO systems. |
| BAS_CLASS | VARCHAR2(30) | | The BAS classification of the manual adjustment line item. |

10.39 Table: BILLINGGENDATA

10.39.1 BILLINGGENDATA

| | |
|---------|--|
| Name | BILLINGGENDATA |
| Comment | BILLINGGENDATA shows the total energy sold and purchased per participant transmission connection point for a billing period. |

10.39.2 Description

BILLINGGENDATA data is confidential to the the relevant participant.

Source

BILLINGGENDATA is populated by the posting of a billing run, being several times each week.

Volume

The number of records depends on the number of transmission ConnectionPointIDs a Participant may have sold energy from per billrunno. An indicative maximum is approximately 15 records inserted per billrunno, or about 165 records inserted per week.

BILLINGGENDATA is confidential to the the relevant participant.

10.39.3 Primary Key Columns

Name

BILLRUNNO

CONNECTIONPOINTID

CONTRACTYEAR

PARTICIPANTID

WEEKNO

10.39.4 Index Columns

Name

LASTCHANGED

10.39.5 Index Columns

Name

PARTICIPANTID

10.39.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Connection point identifier |
| STATIONID | VARCHAR2(10) | | not populated |
| DUID | VARCHAR2(10) | | not populated |
| AGGREGATEENERGY | NUMBER(16,6) | | Aggregate energy sold, in MWh |
| SALES | NUMBER(16,6) | | \$ income |
| PURCHASES | NUMBER(16,6) | | \$ outgoing |
| LASTCHANGED | DATE | | Last date and time record changed |
| PURCHASEDENERGY | NUMBER(16,6) | | Amount of energy purchased in MWh |
| MDA | VARCHAR2(10) | | Metering Data Agent supplying data |

10.40 Table: BILLINGINTERRESIDUES

10.40.1 BILLINGINTERRESIDUES

Name BILLINGINTERRESIDUES

Comment BILLINGINTERRESIDUES shows interregion residues payable to NSP.

10.40.2 Description

Source

Obsolete, was weekly with billing run.

10.40.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

INTERCONNECTORID

PARTICIPANTID

REGIONID

WEEKNO

10.40.4 Index Columns

Name

LASTCHANGED

10.40.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|----------------------|
| ALLOCATION | NUMBER(6,3) | | May not be necessary |
| TOTALSURPLUS | NUMBER(15,5) | | May not be necessary |

| | | | |
|------------------|--------------|---|--|
| INTERCONNECTORID | VARCHAR2(10) | X | Unique identifier for an interconnector which joins two regions. |
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| SURPLUSVALUE | NUMBER(15,6) | | Amount NSP is paid for Inter-Regional Residues |
| LASTCHANGED | DATE | | Last date and time record changed |
| REGIONID | VARCHAR2(10) | X | Region ID |

10.41 Table: BILLINGINTRARESIDUES

10.41.1 BILLINGINTRARESIDUES

Name BILLINGINTRARESIDUES

Comment BILLINGINTRARESIDUES shows intra-region settlement residue details for each Transmission Network Service Provider participant by region.

10.41.2 Description

BILLINGINTRARESIDUES is confidential to the relevant participant.

Source

BILLINGINTRARESIDUES is populated by the posting of a billing run, being several times each week.

Volume

An indicative maximum is two records inserted per billing run, or 22 records inserted per week.

10.41.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

10.41.4 Index Columns

Name

LASTCHANGED

10.41.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|---------------|--------------|---|--|
| ALLOCATION | NUMBER(6,3) | | TNSP allocation |
| TOTALSURPLUS | NUMBER(15,5) | | Total \$ residue amount for the region |
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| SURPLUSVALUE | NUMBER(15,6) | | Amount TNSP is paid for Intra-Regional Residues |
| LASTCHANGED | DATE | | Last changed date |
| REGIONID | VARCHAR2(10) | X | Region ID |

10.42 Table: BILLINGIRAUCSURPLUS

10.42.1 BILLINGIRAUCSURPLUS

| | |
|---------|--|
| Name | BILLINGIRAUCSURPLUS |
| Comment | BILLINGIRAUCSURPLUS supports the Settlements Residue Auction, by showing the weekly billing Interconnector Residue (IR) payments as calculated for each bill run for Network Service Providers (NSPs) from the amount not auctioned. |

10.42.2 Description

Source

Obsolete

Volume

This view contains a maximum of 30,000 records per year.

10.42.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTID
CONTRACTYEAR
FROMREGIONID
INTERCONNECTORID
PARTICIPANTID
WEEKNO

10.42.4 Index Columns

Name
LASTCHANGED

10.42.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year (calendar year) |
| WEEKNO | NUMBER(2,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| RESIDUEYEAR | NUMBER(4,0) | | Year of the Residue Contract; may differ from the calendar year at week 1. |
| QUARTER | NUMBER(2,0) | | Residue Contract Quarter |
| BILLRUNNO | NUMBER(3,0) | X | The sequential number of a billing run |
| CONTRACTID | VARCHAR2(30) | X | SRA Contract unique identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| TOTALRESIDUES | NUMBER(15,5) | | Total residues allocated to participant |
| ADJUSTMENT | NUMBER(15,5) | | Adjustment allocated to participant |
| LASTCHANGED | DATE | | Date and time this record was last modified |

10.43 Table: BILLINGIRAUCSURPLUSSUM

10.43.1 BILLINGIRAUCSURPLUSSUM

| | |
|---------|--|
| Name | BILLINGIRAUCSURPLUSSUM |
| Comment | BILLINGIRAUCSURPLUSSUM contains Auction fees and Settlements Residue Auction distribution that may arise from unpurchased auction units that accrue to Transmission Network Service Providers. |

10.43.2 Description

BILLINGIRAUCSURPLUSSUM is confidential to the relevant participant.

Source

BILLINGIRAUCSURPLUSSUM is populated by the posting of a billing run where there are unpurchased auction units.

Volume

An indicative maximum is eight records inserted per billing run, or 88 records inserted per week.

10.43.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

QUARTER

RESIDUEYEAR

WEEKNO

10.43.4 Index Columns

Name

LASTCHANGED

10.43.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | Contracted Year (calendar year) |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| RESIDUEYEAR | NUMBER(4,0) | X | Year of the Residue Contract; may differ from the calendar year at week 1. |
| QUARTER | NUMBER(2,0) | X | Residue Contract Quarter |
| BILLRUNNO | NUMBER(3,0) | X | The sequential number of a billing run |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| TOTALSURPLUS | NUMBER(15,5) | | Total residue amount allocated to participant |
| AUCTIONFEES | NUMBER(15,5) | | Total auction fees payable in this week (negative amount). If AUCTIONFEES + AUCTIONFEES_GST >= TOTALSURPLUS then ACTUALPAYMENT is zero |
| ACTUALPAYMENT | NUMBER(15,5) | | Net payment to participant, including auction fees |
| AUCTIONFEES_GST | NUMBER(15,5) | | The GST amount on the auction fees, always being zero. |
| LASTCHANGED | DATE | | Date and time this record was last modified |
| CSP_DEROGATION_AMOUNT | NUMBER(18,8) | | The CSP derogation amount applied as an adjustment to SRA. |
| UNADJUSTED_IRSR | NUMBER(18,8) | | The SRA amount unadjusted by CSP. |
| NEGATIVE_RESIDUES | NUMBER(18,8) | | Negative residues in the billing week for this participant in the SRA Year/Quarter |

10.44 Table: BILLINGIRFM

10.44.1 BILLINGIRFM

| | |
|---------|--|
| Name | BILLINGIRFM |
| Comment | BILLINGIRFM shows billing amounts associated with Industrial Relations Forced Majeure events for each participant. |

10.44.2 Description

BILLINGIRFM is confidential to the relevant participant.

Source

BILLINGIRFM is updated with each billing run as required.

10.44.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 WEEKNO

10.44.4 Index Columns

Name
 LASTCHANGED

10.44.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---------------------------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | Settlement Year |
| WEEKNO | NUMBER(3,0) | X | Week number starting 1 Jan each year. |
| BILLRUNNO | NUMBER(3,0) | X | Unique bill run |

| | | | |
|---------------|--------------|---|---|
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| IRFMPAYMENT | NUMBER(15,5) | | Industrial Relations Forced Majeure payment for the billing period. |
| LASTCHANGED | DATE | | Last changed. |

10.45 Table: BILLINGIRNSPSURPLUS

10.45.1 BILLINGIRNSPSURPLUS

| | |
|---------|---|
| Name | BILLINGIRNSPSURPLUS |
| Comment | BILLINGIRNSPSURPLUS supports the Settlements Residue Auction (SRA), by showing the weekly billing Interconnector Residue (IR) payments as calculated for each bill run for Transmission Network Service Providers (TNSP) from the amount paid by participants (i.e. derogated amounts). |

10.45.2 Description

BILLINGIRNSPSURPLUS data is confidential to the relevant participant.

Source

BILLINGIRNSPSURPLUS updates in a billing run where any derogated Settlement Residue Auction purchase flows to a TNSP.

Volume

BILLINGIRNSPSURPLUS contains a maximum of 30, 000 records per year.

10.45.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTID

CONTRACTYEAR

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

WEEKNO

10.45.4 Index Columns

Name

LASTCHANGED

10.45.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(2,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| RESIDUEYEAR | NUMBER(4,0) | | Year of the Residue Contract; may differ from the calendar year at week 1. |
| QUARTER | NUMBER(2,0) | | Residue Contract Quarter |
| BILLRUNNO | NUMBER(3,0) | X | The sequential number of a billing run |
| CONTRACTID | VARCHAR2(30) | X | SRA Contract unique identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| TOTALRESIDUES | NUMBER(15,5) | | Total residues allocated to participant |
| ADJUSTMENT | NUMBER(15,5) | | Adjustment allocated to participant |
| LASTCHANGED | DATE | | Date and time this record was last modified |

10.46 Table: BILLINGIRNSPURPLUSSUM

10.46.1 BILLINGIRNSPURPLUSSUM

| | |
|---------|---|
| Name | BILLINGIRNSPURPLUSSUM |
| Comment | BILLINGIRNSPURPLUSSUM contains derogated payments made to TNSPs arising from the Settlements Residue Auction process. |

10.46.2 Description

BILLINGIRNSPURPLUSSUM data is confidential to the relevant participant.

Source

BILLINGIRNSPURPLUSSUM is populated by the posting of a billing run where derogated payments apply.

Volume

An indicative maximum is two records inserted per billing run, or 22 records inserted per week.

10.46.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

QUARTER

RESIDUEYEAR

WEEKNO

10.46.4 Index Columns

Name

LASTCHANGED

10.46.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year (calendar year) |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| RESIDUEYEAR | NUMBER(4,0) | X | Year of the Residue Contract; may differ from the calendar year at week 1. |
| QUARTER | NUMBER(2,0) | X | SRA Contracted Quarter |
| BILLRUNNO | NUMBER(3,0) | X | The sequential number of a billing run |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| TOTALSURPLUS | NUMBER(15,5) | | Total residue amount allocated to participant |
| AUCTIONFEES | NUMBER(15,5) | | This field is 0. |
| AUCTIONFEES_GST | NUMBER(15,5) | | The GST amount on the auction fees, always being zero. |
| LASTCHANGED | DATE | | Date and time this record was last modified |
| CSP_DEROGATION_AMOUNT | NUMBER(18,8) | | The CSP derogation amount applied as an adjustment to SRA. |
| UNADJUSTED_IRSR | NUMBER(18,8) | | The SRA amount unadjusted by CSP. |

10.47 Table: BILLINGIRPARTSURPLUS

10.47.1 BILLINGIRPARTSURPLUS

| | |
|---------|---|
| Name | BILLINGIRPARTSURPLUS |
| Comment | BILLINGIRPARTSURPLUS supports the Settlements Residue Auction, by showing the weekly billing SRA distribution to Auction participants by Contract Identifier. |

10.47.2 Description

BILLINGIRPARTSURPLUS data is confidential to the relevant participant.

Source

BILLINGIRPARTSURPLUS is populated by the posting of a billing run where the participant has purchased auction units relating to that billing run.

Volume

An indicative maximum is 64 records inserted per billing run, or 700 records inserted per week.

10.47.3 Primary Key Columns

- Name
- BILLRUNNO
- CONTRACTID
- CONTRACTYEAR
- FROMREGIONID
- INTERCONNECTORID
- PARTICIPANTID
- WEEKNO

10.47.4 Index Columns

- Name
- LASTCHANGED

10.47.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year (calendar year) |
| WEEKNO | NUMBER(2,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| RESIDUEYEAR | NUMBER(4,0) | | Year of the Residue Contract; may differ from the calendar year at week 1. |
| QUARTER | NUMBER(2,0) | | Residue Contract Quarter |
| BILLRUNNO | NUMBER(3,0) | X | The sequential number of a billing run |
| CONTRACTID | VARCHAR2(30) | X | SRA Contract unique identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| TOTALRESIDUES | NUMBER(15,5) | | Total residues allocated to participant |
| ADJUSTMENT | NUMBER(15,5) | | Adjustment allocated to participant |
| LASTCHANGED | DATE | | Date and time this record was last modified |
| ACTUALPAYMENT | NUMBER(15,5) | | Net actual payment to participant, including auction fees |

10.48 Table: BILLINGIRPARTSURPLUSSUM

10.48.1 BILLINGIRPARTSURPLUSSUM

| | |
|---------|---|
| Name | BILLINGIRPARTSURPLUSSUM |
| Comment | BILLINGIRPARTSURPLUSSUM supports the Settlements Residue Auction, by showing the weekly billing SRA distribution and associated fees to Auction participants. |

10.48.2 Description

BILLINGIRPARTSURPLUSSUM data is confidential to the relevant participant.

Source

BILLINGIRPARTSURPLUSSUM is populated by the posting of a billing run where the participant has purchased auction units relating to that billing run.

Volume

An indicative maximum is 16 records inserted per billing run, or 166 records inserted per week.

10.48.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

QUARTER

RESIDUEYEAR

WEEKNO

10.48.4 Index Columns

Name

RESIDUEYEAR

QUARTER

10.48.5 Index Columns

Name

LASTCHANGED

10.48.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year (calendar year) |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| RESIDUEYEAR | NUMBER(4,0) | X | Year of the Residue Contract; may differ from the calendar year at week 1. |
| QUARTER | NUMBER(2,0) | X | Residue Contract Quarter |
| BILLRUNNO | NUMBER(3,0) | X | The sequential number of a billing run |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| TOTALSURPLUS | NUMBER(15,5) | | Total residue amount allocated to participant |
| AUCTIONFEES | NUMBER(15,5) | | Total auction fees payable in this week (negative amount). If AUCTIONFEES + AUCTIONFEES_GST >= TOTALSURPLUS then ACTUALPAYMENT is zero. |
| ACTUALPAYMENT | NUMBER(15,5) | | Net payment to participant, including auction fees |
| AUCTIONFEES_GST | NUMBER(15,5) | | The GST amount on the auction fees, always being zero. |
| LASTCHANGED | DATE | | Date and time this record was last modified |

| | | | |
|----------------------------|--------------|--|---|
| CSP_DEROGATION_AMOUNT | NUMBER(18,8) | | The CSP derogation amount applied as an adjustment to SRA. |
| UNADJUSTED_IRSR | NUMBER(18,8) | | The SRA amount unadjusted by CSP. |
| AUCTIONFEES_TOTALGROSS_ADJ | Number(18,8) | | The adjusted total Auction fees for the Directional Interconnector. Calculated as the amount of the total fees due from the SRA Auction Participant, pro-rated based on the total surplus for each Directional Interconnector the SRA Auction Participant contracted. |

10.49 Table: BILLINGPRIORADJUSTMENTS

10.49.1 BILLINGPRIORADJUSTMENTS

| | |
|---------|---|
| Name | BILLINGPRIORADJUSTMENTS |
| Comment | BILLINGPRIORADJUSTMENTS sets out prior period adjustments and associated interest inserted in subsequent Final Statements arising from Revision Statement postings. |

10.49.2 Description

BILLINGPRIORADJUSTMENTS data is confidential to the relevant participant.

Source

BILLINGPRIORADJUSTMENTS is populated on the posting of a Final billing run only.

Volume

Approximately two records inserted per week.

Note

Actual adjustment payable is $ADJAMOUNT - PERAMOUNT + INTEREST AMOUNT$.

10.49.3 Primary Key Columns

Name

ADJBILLRUNNO

ADJCONTRACTYEAR

ADJWEEKNO

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

WEEKNO

10.49.4 Index Columns

Name

LASTCHANGED

10.49.5 Index Columns

Name

PARTICIPANTID

LASTCHANGED

10.49.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | Settlement year. |
| WEEKNO | NUMBER(3,0) | X | Settlement week number. |
| BILLRUNNO | NUMBER(3,0) | X | Billing run number. |
| ADJCONTRACTYEAR | NUMBER(4,0) | X | ContractYear of the posted revision statement inserted to the Final Statement |
| ADJWEEKNO | NUMBER(3,0) | X | WeekNo of the posted revision statement inserted to the Final Statement |
| ADJBILLRUNNO | NUMBER(3,0) | X | Bill run number of the posted revision statement inserted to the Final Statement |
| PARTICIPANTID | VARCHAR2(10) | X | Participant ID |
| PREVAMOUNT | NUMBER(15,5) | | Statement total of the previous posted revision statement inserted to the Final Statement. |
| ADJAMOUNT | NUMBER(15,5) | | Adjusted amount. |
| IRN | NUMBER(15,5) | | Interest rate applied to the revision adjustment |
| IRP | NUMBER(15,5) | | unused; always null |
| INTERESTAMOUNT | NUMBER(15,5) | | Interest amount. |
| LASTCHANGED | DATE | | Last changed. |
| IRSR_PREVAMOUNT | NUMBER(15,5) | | unused; always null |
| IRSR_ADJAMOUNT | NUMBER(15,5) | | unused; always null |

| | | | |
|---------------------|--------------|--|---------------------|
| IRSR_INTERESTAMOUNT | NUMBER(15,5) | | unused; always null |
|---------------------|--------------|--|---------------------|

10.50 Table: BILLINGREALLOC

10.50.1 BILLINGREALLOC

Name BILLINGREALLOC

Comment BILLINGREALLOC shows reallocation contract values in each billing run, where participants have used reallocations.

10.50.2 Description

BILLINGREALLOC data is confidential to the relevant participant.

Source

BILLINGREALLOC is populated by the posting of a billing run.

Volume

An indicative maximum is two records inserted per billing run, or 22 records inserted per week.

10.50.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

COUNTERPARTY

PARTICIPANTID

WEEKNO

10.50.4 Index Columns

Name

LASTCHANGED

10.50.5 Index Columns

Name

PARTICIPANTID

10.50.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| COUNTERPARTY | VARCHAR2(10) | X | Participant who is the counter party to this contract |
| VALUE | NUMBER(15,5) | | Value billed on this contract |
| LASTCHANGED | DATE | | Last date and time record changed |

10.51 Table: BILLINGREALLOC_DETAIL

10.51.1 BILLINGREALLOC_DETAIL

| | |
|---------|--|
| Name | BILLINGREALLOC_DETAIL |
| Comment | Billing Reallocation Data aggregated by REALLOCATIONID for each billing run over the billing week. |

10.51.2 Description

The BILLINGREALLOC_DETAIL table that will give a breakdown of the reallocations that form part of that billing run. This assists participants in their settlement reconciliation process.

Private data

Volume max 100 rows per day

10.51.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

COUNTERPARTY

PARTICIPANTID

REALLOCATIONID

WEEKNO

10.51.4 Index Columns

Name

LASTCHANGED

10.51.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | BILLING CONTRACTYEAR |
| WEEKNO | NUMBER(3,0) | X | BILLING WEEKNO |
| BILLRUNNO | NUMBER(3,0) | X | BILLING RUN NO |
| PARTICIPANTID | VARCHAR2(10) | X | REALLOCATION PARTICIPANTID |
| COUNTERPARTY | VARCHAR2(10) | X | REALLOCATION COUNTERPARTY PARTICIPANTID |
| REALLOCATIONID | VARCHAR2(20) | X | REALLOCATIONID |
| VALUE | NUMBER(15,5) | | REALLOCATION VALUE |
| LASTCHANGED | DATE | | DATETIME WHEN RECORD SAVED |

10.52 Table: BILLINGREGIONEXPORTS

10.52.1 BILLINGREGIONEXPORTS

| | |
|---------|---|
| Name | BILLINGREGIONEXPORTS |
| Comment | BILLINGREGIONEXPORTS sets out the region summary table of overall energy exported to and from each region for each billing run. |

10.52.2 Description

BILLINGREGIONEXPORTS data is public, and is available to all participants.

Source

BILLINGREGIONEXPORTS is populated by the posting of a billing run.

Volume

Eight records inserted per billing run, or 88 records inserted per week.

10.52.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 EXPORTTO
 REGIONID
 WEEKNO

10.52.4 Index Columns

Name
 LASTCHANGED

10.52.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|---------------|--------------|---|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| REGIONID | VARCHAR2(10) | X | Unique region identifier |
| EXPORTTO | VARCHAR2(10) | X | Region exported to |
| ENERGY | NUMBER(16,6) | | MWh Energy value exported |
| VALUE | NUMBER(15,5) | | \$ Value of energy exported |
| SURPLUSENERGY | NUMBER(16,6) | | This field is populated with 0 |
| SURPLUSVALUE | NUMBER(15,5) | | \$ Interregional residue |
| LASTCHANGED | DATE | | Last date and time record changed |

10.53 Table: BILLINGREGIONFIGURES

10.53.1 BILLINGREGIONFIGURES

| | |
|---------|---|
| Name | BILLINGREGIONFIGURES |
| Comment | BILLINGREGIONFIGURES sets out additional summary region details including ancillary service amounts for each billing run. |

10.53.2 Description

BILLINGREGIONFIGURES is public data, and is available to all participants.

Source

BILLINGREGIONFIGURES is populated by the posting of a billing run.

Volume

Five records inserted per billing run, or 55 records inserted per week.

10.53.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 REGIONID
 WEEKNO

10.53.4 Index Columns

Name
 LASTCHANGED

10.53.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |

| | | | |
|-----------------|--------------|---|--|
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| REGIONID | VARCHAR2(10) | X | Unique region identifier |
| ENERGYOUT | NUMBER(16,6) | | MWh Energy output in the region during the billing period |
| VALUEOUT | NUMBER(16,6) | | \$ Value of energy output in region during billing period |
| ENERGYPURCHASED | NUMBER(16,6) | | MWh Amount of energy purchased in region during billing period |
| VALUEPURCHASED | NUMBER(16,6) | | \$ Value of energy purchased during billing period |
| EXCESSGEN | NUMBER(16,6) | | This field is populated with 0 |
| RESERVETRAIDING | NUMBER(16,6) | | This field is populated with 0 |
| INTCOMPO | NUMBER(16,6) | | This field is populated with 0 |
| ADMINPRICECOMPO | NUMBER(16,6) | | This field is populated with 0 |
| SETTSURPLUS | NUMBER(16,6) | | Intraregional residues in \$ |
| ASPAYMENT | NUMBER(16,6) | | Ancillary service payments in \$ |
| POOLFEES | NUMBER(16,6) | | This field is populated with 0 |
| LASTCHANGED | DATE | | Last date and time record changed |
| WDRSQ | NUMBER(18,8) | | WDR Settlement Quantity Capped in MWh |
| WDRTA | NUMBER(18,8) | | WDR transaction amount in \$ |

10.54 Table: BILLINGREGIONIMPORTS

10.54.1 BILLINGREGIONIMPORTS

| | |
|---------|---|
| Name | BILLINGREGIONIMPORTS |
| Comment | BILLINGREGIONIMPORTS sets out the region summary table of overall energy imported to and from each region for each billing run. |

10.54.2 Description

BILLINGREGIONIMPORTS is public data, and is available to all participants.

Source

BILLINGREGIONIMPORTS is populated by the posting of a billing run.

Volume

Eight records inserted per billing run, or 88 records inserted per week.

10.54.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

IMPORTFROM

REGIONID

WEEKNO

10.54.4 Index Columns

Name

LASTCHANGED

10.54.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---------------------------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in |

| | | | |
|---------------|--------------|---|--|
| | | | week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| REGIONID | VARCHAR2(10) | X | Unique region identifier |
| IMPORTFROM | VARCHAR2(10) | X | Region energy imported from |
| ENERGY | NUMBER(16,6) | | Amount of energy imported |
| VALUE | NUMBER(15,5) | | Value of energy imported |
| SURPLUSENERGY | NUMBER(16,6) | | Populated with 0 |
| SURPLUSVALUE | NUMBER(15,5) | | Interregional residue |
| LASTCHANGED | DATE | | Last date and time record changed |

10.55 Table: BILLINGRUNTRK

10.55.1 BILLINGRUNTRK

Name BILLINGRUNTRK

Comment BILLINGRUNTRK identifies the Statement type (i.e. Status of PRELIM, FINAL, REVISE) and date of the BillRunNo posted, per WeekNo. This provides a further extension of tracking data from the BILLINGDAYTRK table.

10.55.2 Description

BILLINGRUNTRK is public data, and is available to all participants.

Source

BILLINGRUNTRK is populated by the posting of a billing run.

Volume

An indicative maximum is one record inserted per billing run, or 11 records inserted per week.

10.55.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

WEEKNO

10.55.4 Index Columns

Name

LASTCHANGED

10.55.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|------------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | Year of the run |
| WEEKNO | NUMBER(3,0) | X | Week number of the run |

| | | | |
|-----------------|--------------|---|--|
| BILLRUNNO | NUMBER(3,0) | X | Sequential run number |
| STATUS | VARCHAR2(6) | | The billing run type, PRELIM, FINAL, REVISE or INTERIM |
| ADJ_CLEARED | VARCHAR2(1) | | Flag |
| AUTHORISEDDATE | DATE | | null, since not used |
| AUTHORISEDBY | VARCHAR2(10) | | null, since not used |
| POSTDATE | DATE | | When the results were posted |
| POSTBY | VARCHAR2(10) | | Who posted the results |
| LASTCHANGED | DATE | | Last date and time record changed |
| RECEIPTPOSTDATE | DATE | | null, since not used |
| RECEIPTPOSTBY | VARCHAR2(10) | | null, since not used |
| PAYMENTPOSTDATE | DATE | | When the payment was posted |
| PAYMENTPOSTBY | VARCHAR2(10) | | Who posted the payment |
| SHORTFALL | NUMBER(16,6) | | Payment shortfall amount |
| MAKEUP | NUMBER(15,5) | | Not Used |

10.56 Table: BILLRESERVETRADERPAYMENT

10.56.1 BILLRESERVETRADERPAYMENT

| | |
|---------|--|
| Name | BILLRESERVETRADERPAYMENT |
| Comment | Details of the RERT Usage and Availability Payments made to the participant. |

10.56.2 Primary Key Columns

Name

BILLRUNNO

CONTRACTID

CONTRACTYEAR

PAYMENT_ID

WEEKNO

10.56.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing contract year |
| WEEKNO | NUMBER(3,0) | X | Billing week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing posted run number |
| PARTICIPANTID | VARCHAR2(20) | | Participant identifier. |
| CONTRACTID | VARCHAR2(20) | X | RERT payment contract ID |
| PAYMENT_ID | NUMBER(3,0) | X | RERT payment number |
| PAYMENT_TYPE | VARCHAR2(40) | | Description for the reserve trader contract payment amount. |
| PAYMENT_AMOUNT | NUMBER(18,8) | | RERT payment amount for the payment type |

10.57 Table: BILLRESERVETRADERRECOVERY

10.57.1 BILLRESERVETRADERRECOVERY

| | |
|---------|--|
| Name | BILLRESERVETRADERRECOVERY |
| Comment | Provides details of the RERT Recovery Amount for the Market Customers. |

10.57.2 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

PAYMENT_ID

PUBLICATION_ID

REGIONID

WEEKNO

10.57.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing contract year |
| WEEKNO | NUMBER(3,0) | X | Billing week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing posted run number |
| PUBLICATION_ID | VARCHAR2(40) | X | Unique Publication Identifier for RERT Payment |
| PAYMENT_ID | NUMBER(3,0) | X | RERT payment number |
| PAYMENT_AMOUNT | NUMBER(18,8) | | RERT payment amount |
| PARTICIPANTID | VARCHAR2(20) | X | Participant identifier. |
| REGIONID | VARCHAR2(20) | X | Region from which the amount is recovered |

| | | | |
|----------------------------|--------------|--|---|
| PARTICIPANT_DEMAND | NUMBER(18,8) | | Participant Demand Value used for RERT Recovery |
| REGION_DEMAND | NUMBER(18,8) | | Region Demand Value used for RERT Recovery |
| ELIGIBILITY_START_INTERVAL | DATE | | Starting Period of RERT Recovery for Usage Payments |
| ELIGIBILITY_END_INTERVAL | DATE | | Ending Period of RERT Recovery for Usage Payments |
| RECOVERY_AMOUNT | NUMBER(18,8) | | Recovery Amount applicable for each Market Customer |
| EXCLUDED_ENERGY | NUMBER(18,8) | | The Energy Value (Scheduled Loads) that is excluded |

10.58 Table: BILLWHITEHOLE

10.58.1 BILLWHITEHOLE

| | |
|---------|--|
| Name | BILLWHITEHOLE |
| Comment | BILLWHITEHOLE shows white hole payments based on participant vs region demand. |

10.58.2 Description

Confidential

Source

Obsolete; was updated weekly with each billing run.

10.58.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 INTERCONNECTORID
 PARTICIPANTID
 WEEKNO

10.58.4 Index Columns

Name
 LASTCHANGED

10.58.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(22,0) | X | AEMO Contract Year number starting in week containing 1st January |

| | | | |
|-------------------|--------------|---|--|
| WEEKNO | NUMBER(22,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(22,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| NL | NUMBER(15,6) | | Sum of billing week (RRP * interconnector flow) |
| PARTICIPANTDEMAND | NUMBER(15,6) | | The sum of all customer purchases in MWh |
| REGIONDEMAND | NUMBER(15,6) | | Sum of all region purchases in MWh |
| WHITEHOLEPAYMENT | NUMBER(15,6) | | Payment in \$ |
| LASTCHANGED | DATE | | The latest date and time that a file was updated or inserted |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector ID |

11 Package: DEMAND_FORECASTS

Name DEMAND_FORECASTS

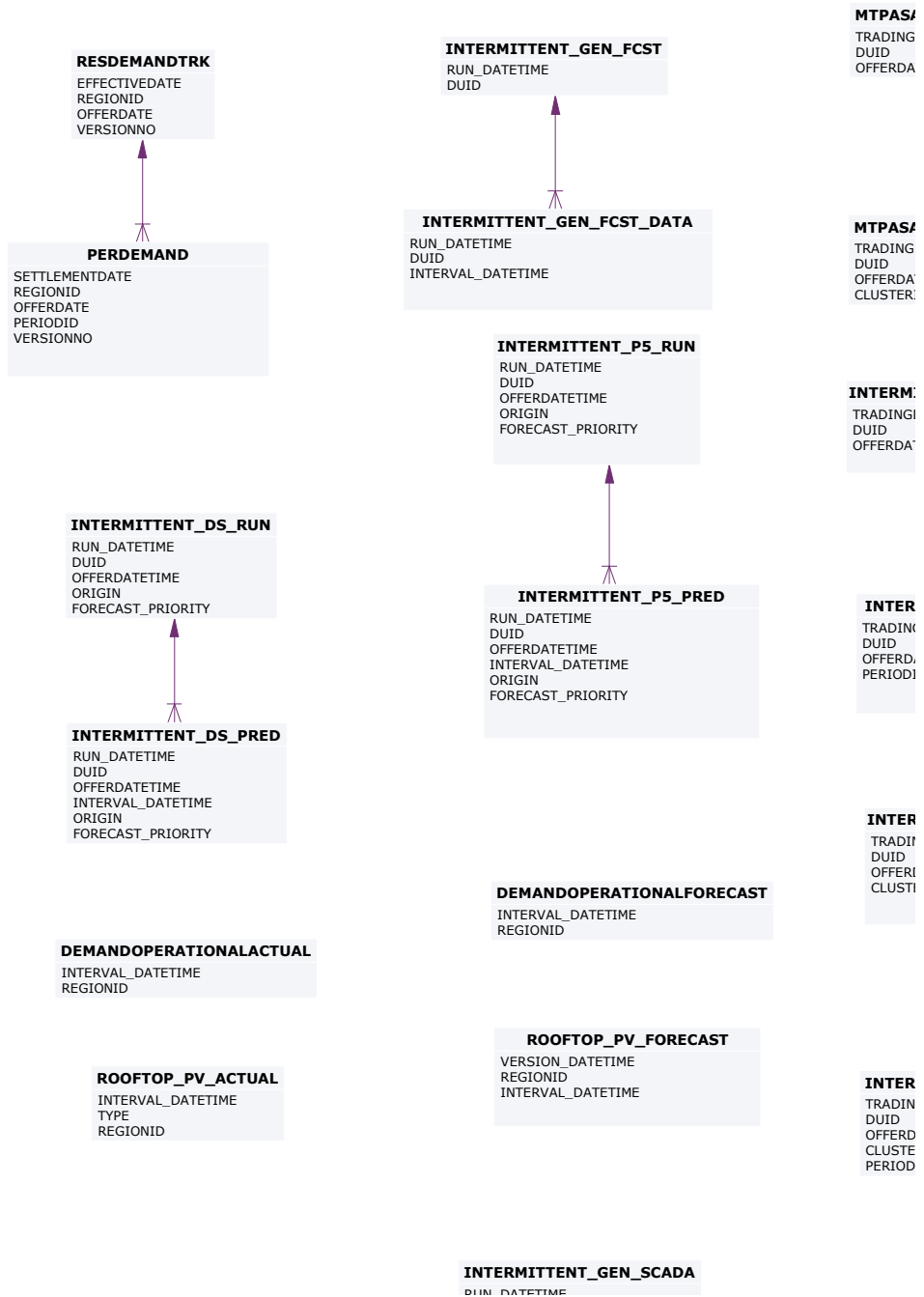
Comment Regional Demand Forecasts and Intermittent Generation forecasts.

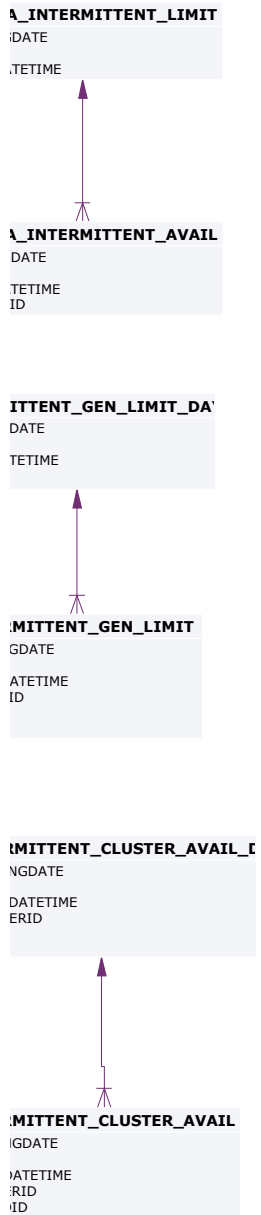
11.1 List of tables

| Name | Comment |
|--------------------------------|---|
| DEMANDOPERATIONALACTUAL | Shows Actual Operational Demand for a particular date time interval. |
| DEMANDOPERATIONALFORECAST | Shows Forecast Operational Demand for a particular date time interval. |
| INTERMITTENT_CLUSTER_AVAIL | A submission of expected plant availability for an intermittent generating unit cluster, by Trading Day and Trading Interval. |
| INTERMITTENT_CLUSTER_AVAIL_DAY | Summary record for an availability submission for an intermittent generating unit cluster for a Trading Day. |
| INTERMITTENT_DS_PRED | Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch |
| INTERMITTENT_DS_RUN | Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch. |
| INTERMITTENT_GEN_FCST | Identifying record for a given forecast of an intermittent generation. This table is the version table for the INTERMITTENT_GEN_FCST_DATA table which stores the individual forecast values |
| INTERMITTENT_GEN_FCST_DATA | Stores the forecast generation (MW) for each interval within a given forecast of an intermittent generator. |
| INTERMITTENT_GEN_LIMIT | A submission of Upper MW Limit for an intermittent generating unit, by Trading Day and Trading Interval |
| INTERMITTENT_GEN_LIMIT_DAY | Summary record for an Upper MW Limit submission for an intermittent generating unit for a Trading Day |
| INTERMITTENT_GEN_SCADA | INTERMITTENT_GEN_SCADA provides the SCADA Availability for every intermittent generating unit, including Elements Available (wind turbines/solar inverters) and Local Limit |
| INTERMITTENT_P5_PRED | Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch |

| | |
|---------------------------|---|
| INTERMITTENT_P5_RUN | Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch |
| MTPASA_INTERMITTENT_AVAIL | A submission of expected plant availability for intermittent generators for use in MTPASA intermittent generation forecasts |
| MTPASA_INTERMITTENT_LIMIT | A submission of expected maximum availability for intermittent generators for use in MTPASA intermittent generation forecasts |
| PERDEMAND | PERDEMAND sets out the regional demands and MR schedule data for each half-hour period. PERDEMAND is a child table to RESEMANDTRK. |
| RESEMANDTRK | RESEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date. RESEMANDTRK and PERDEMAND have a parent/child relationship, and are for defined forecast regional demands since market start. RESEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date. PERDEMAND defines the numerical forecast values for each trading interval of a the trading day for that region. A complete trading day forecast for one region consists of one RESEMANDTRK record and 48 PERDEMAND records. |
| ROOFTOP_PV_ACTUAL | Estimate of regional Rooftop Solar actual generation for each half-hour interval in a day |
| ROOFTOP_PV_FORECAST | Regional forecasts of Rooftop Solar generation across the half-hour intervals over 8 days |

11.2 Diagram: Entities: Demand Forecasts





RUN_DATETIME
DUID
SCADA_TYPE

11.3 Table: DEMANDOPERATIONALACTUAL

11.3.1 DEMANDOPERATIONALACTUAL

| | |
|---------|--|
| Name | DEMANDOPERATIONALACTUAL |
| Comment | Shows Actual Operational Demand for a particular date time interval. |

11.3.2 Primary Key Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| REGIONID |

11.3.3 Index Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| REGIONID |

11.3.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------------|--------------|-----------|--|
| INTERVAL_DATETIME | date | X | Date time interval for operational demand value |
| REGIONID | Varchar2(20) | X | Region identifier |
| OPERATIONAL_DEMAND | number(10,0) | | Average 30-minute measured operational demand MW value (unadjusted) |
| LASTCHANGED | date | | Last date and time record changed |
| OPERATIONAL_DEMAND_ADJUSTMENT | NUMBER(10,0) | | Adjustment value containing the estimated amount of activated RERT and involuntary load shedding that occurred as a result of a NER 4.8.9 instruction for load shedding from AEMO. |
| WDR_ESTIMATE | NUMBER(10) | | Estimated average 30-minute MW |

| | | | |
|--|--|--|---|
| | | | amount of Wholesale Demand Response that occurred |
|--|--|--|---|

11.4 Table: DEMANDOPERATIONALFORECAST

11.4.1 DEMANDOPERATIONALFORECAST

| | |
|---------|--|
| Name | DEMANDOPERATIONALFORECAST |
| Comment | Shows Forecast Operational Demand for a particular date time interval. |

11.4.2 Primary Key Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| REGIONID |

11.4.3 Index Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| REGIONID |

11.4.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------------------|--------------|-----------|--|
| INTERVAL_DATETIME | date | X | Forecast for a particular date time interval |
| REGIONID | Varchar2(20) | X | Region identifier |
| LOAD_DATE | date | | Date time this forecast was produced |
| OPERATIONAL_DEMAND_PO E10 | number(15,2) | | 10% probability of exceedance operational demand forecast value |
| OPERATIONAL_DEMAND_PO E50 | number(15,2) | | 50% probability of exceedance operational demand forecast value |
| OPERATIONAL_DEMAND_PO E90 | number(15,2) | | 90% probability of exceedance operational demand forecast value |
| LASTCHANGED | date | | Last date and time record changed |

11.5 Table: INTERMITTENT_CLUSTER_AVAIL

11.5.1 INTERMITTENT_CLUSTER_AVAIL

| | |
|---------|---|
| Name | INTERMITTENT_CLUSTER_AVAIL |
| Comment | A submission of expected plant availability for an intermittent generating unit cluster, by Trading Day and Trading Interval. |

11.5.2 Primary Key Columns

| |
|---------------|
| Name |
| CLUSTERID |
| DUID |
| OFFERDATETIME |
| PERIODID |
| TRADINGDATE |

11.5.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|---|
| TRADINGDATE | DATE | X | The trading day to which the availability submission applies |
| DUID | VARCHAR2(20) | X | Unique Identifier of Dispatchable Unit |
| OFFERDATETIME | DATE | X | Date and Time when this cluster availability submission was loaded |
| CLUSTERID | VARCHAR2(20) | X | Unique Cluster Identifier for this cluster within the DUID |
| PERIODID | NUMBER(3,0) | X | Trading interval number (1...48) within this TRADINGDATE for which ELEMENTS_UNAVAILABLE applies |
| ELEMENTS_UNAVAILABLE | NUMBER(5,0) | | Number of elements within this CLUSTERID (turbines for wind, or inverters for solar) that are not available for this TRADINGDATE and PERIODID (scheduled maintenance in AWEFS/ASEFS). Value between 0 and |

| | | | |
|--------------------|-------------|--|--|
| | | | the registered Number of Cluster Elements. Value = 0 means no elements unavailable |
| ELEMENTS_AVAILABLE | NUMBER(5,0) | | Number of elements within this CLUSTERID (turbines for wind, or inverters for solar) that are available for this TRADINGDATE and PERIODID (scheduled maintenance in AWEFS/ASEFS). Value between 0 and the registered Number of Cluster Elements. Value = 0 means no elements available |

11.6 Table: INTERMITTENT_CLUSTER_AVAIL_DAY

11.6.1 INTERMITTENT_CLUSTER_AVAIL_DAY

| | |
|---------|--|
| Name | INTERMITTENT_CLUSTER_AVAIL_DAY |
| Comment | Summary record for an availability submission for an intermittent generating unit cluster for a Trading Day. |

11.6.2 Primary Key Columns

| |
|---------------|
| Name |
| CLUSTERID |
| DUID |
| OFFERDATETIME |
| TRADINGDATE |

11.6.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| TRADINGDATE | DATE | X | Trading Day for which this cluster availability submission applies |
| DUID | VARCHAR2(20) | X | Unique Identifier of Dispatchable Unit |
| OFFERDATETIME | DATE | X | Date and Time when this cluster availability submission was loaded |
| CLUSTERID | VARCHAR2(20) | X | Unique Cluster Identifier for this cluster within the DUID |

11.7 Table: INTERMITTENT_DS_PRED

11.7.1 INTERMITTENT_DS_PRED

| | |
|---------|---|
| Name | INTERMITTENT_DS_PRED |
| Comment | Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch |

11.7.2 Primary Key Columns

Name
 DUID
 FORECAST_PRIORITY
 INTERVAL_DATETIME
 OFFERDATETIME
 ORIGIN
 RUN_DATETIME

11.7.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Date and Time when the forecast applies (dispatch interval ending) |
| DUID | VARCHAR2(20) | X | DUID (or Area for non-scheduled) where this forecast applies |
| OFFERDATETIME | DATE | X | Date and Time when this forecast submission was loaded |
| INTERVAL_DATETIME | DATE | X | Date and Time when the forecast applies (dispatch interval ending) |
| ORIGIN | VARCHAR2(20) | X | Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor) |
| FORECAST_PRIORITY | NUMBER(10,0) | X | Unsuppressed forecasts with higher priority values are used in Dispatch in preference to unsuppressed forecasts |

| | | | |
|----------------|--------------|--|---|
| | | | with lower priority values |
| FORECAST_MEAN | NUMBER(18,8) | | Forecast MW value for this interval_DateTime |
| FORECAST_POE10 | NUMBER(18,8) | | Forecast 10% POE MW value for this interval_DateTime |
| FORECAST_POE50 | NUMBER(18,8) | | Forecast 50% POE MW value for this interval_DateTime. Used in Dispatch. |
| FORECAST_POE90 | NUMBER(18,8) | | Forecast 90% POE MW value for this interval_DateTime |

11.8 Table: INTERMITTENT_DS_RUN

11.8.1 INTERMITTENT_DS_RUN

| | |
|---------|--|
| Name | INTERMITTENT_DS_RUN |
| Comment | Unconstrained Intermittent Generation Forecasts (UIGF) for Dispatch. |

11.8.2 Primary Key Columns

| |
|-------------------|
| Name |
| DUID |
| FORECAST_PRIORITY |
| OFFERDATETIME |
| ORIGIN |
| RUN_DATETIME |

11.8.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Date and Time where the forecast applies (dispatch interval ending) |
| DUID | Varchar2(20) | X | DUID (or Area for non-scheduled) where this forecast applies |
| OFFERDATETIME | DATE | X | Date and Time when this forecast submission was loaded. |
| ORIGIN | Varchar2(20) | X | Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor) |
| FORECAST_PRIORITY | NUMBER(10,0) | X | Unsuppressed forecasts with higher priority values are used in Dispatch in preference to unsuppressed forecasts with lower priority values. |
| AUTHORISED_BY | Varchar2(20) | | Authorising officer of this forecast (applicable for participant forecasts only). This column is not made available to the public. |

| | | | |
|------------------------|---------------|--|--|
| COMMENTS | Varchar2(200) | | Comments relating to the forecast. This column is not made available to the public. |
| LASTCHANGED | DATE | | Last date and time the record changed. |
| MODEL | Varchar2(30) | | Metadata relating to the forecast. This column is not made available to the public. |
| PARTICIPANT_TIMESTAMP | DATE | | Participant can document when the forecast was created |
| SUPPRESSED_AEMO | NUMBER(1,0) | | Was this forecast suppressed by AEMO? Suppressed = 1, Not suppressed =0 |
| SUPPRESSED_PARTICIPANT | NUMBER(1,0) | | Was this forecast suppressed by the participant? Suppressed submissions may not be used, Suppressed = 1, Not suppressed =0 |
| TRANSACTION_ID | Varchar2(100) | | Uniquely identifies this interaction |

11.9 Table: INTERMITTENT_GEN_FCST

11.9.1 INTERMITTENT_GEN_FCST

| | |
|---------|---|
| Name | INTERMITTENT_GEN_FCST |
| Comment | Identifying record for a given forecast of an intermittent generation. This table is the version table for the INTERMITTENT_GEN_FCST_DATA table which stores the individual forecast values |

11.9.2 Description

Source

INTERMITTENT_GEN_FCST_DATA updates every 30 minutes when AEMO issues a new 30-minute forecast of intermittent generation out to 8 days ahead.

Volume

~18,000 rows per generator per year

11.9.3 Primary Key Columns

| |
|--------------|
| Name |
| DUID |
| RUN_DATETIME |

11.9.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date Time of forecast (AEST). |
| DUID | VARCHAR2(20) | X | Identifier of the intermittent generator. |
| START_INTERVAL_DATETIME | DATE | X | Date Time (AEST) of the first half-hour interval being forecast. |
| END_INTERVAL_DATETIME | DATE | X | Date Time (AEST) of the final half-hour interval being forecast. |
| VERSIONNO | NUMBER(10,0) | | Versioning information for resolution back to AEMO's wind generation forecasting |

| | | | |
|-------------|------|--|------------------------------|
| | | | system. |
| LASTCHANGED | DATE | | Date Time record was created |

11.10 Table: INTERMITTENT_GEN_FCST_DATA

11.10.1 INTERMITTENT_GEN_FCST_DATA

| | |
|---------|---|
| Name | INTERMITTENT_GEN_FCST_DATA |
| Comment | Stores the forecast generation (MW) for each interval within a given forecast of an intermittent generator. |

11.10.2 Description

Source

INTERMITTENT_GEN_FCST_DATA updates every 30 minutes when AEMO issues a new 30-minute forecast of wind generation out to 8 days ahead.

Volume

~1,500,000 rows per generator per year

11.10.3 Primary Key Columns

Name
 DUID
 INTERVAL_DATETIME
 RUN_DATETIME

11.10.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date Time of forecast (AEST). |
| DUID | VARCHAR2(20) | X | Identifier of the intermittent generator |
| INTERVAL_DATETIME | DATE | X | Date Time (AEST) of the halfhour interval being forecast |
| POWERMEAN | NUMBER(9,3) | | The average forecast value in MW at the interval end |
| POWERPOE50 | NUMBER(9,3) | | 50% probability of exceedance forecast value in MW at the interval end |
| POWERPOELOW | NUMBER(9,3) | | 10% probability of exceedance forecast |

| | | | |
|--------------|-------------|--|---|
| | | | value in MW at the interval end |
| POWERPOEHIGH | NUMBER(9,3) | | 90% probability of exceedance forecast value in MW at the interval end |
| LASTCHANGED | DATE | | Date Time record was created |

11.11 Table: INTERMITTENT_GEN_LIMIT

11.11.1 INTERMITTENT_GEN_LIMIT

| | |
|---------|---|
| Name | INTERMITTENT_GEN_LIMIT |
| Comment | A submission of Upper MW Limit for an intermittent generating unit, by Trading Day and Trading Interval |

11.11.2 Primary Key Columns

| |
|---------------|
| Name |
| DUID |
| OFFERDATETIME |
| PERIODID |
| TRADINGDATE |

11.11.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| TRADINGDATE | DATE | X | Trading Day for which this unit availability submission applies |
| DUID | VARCHAR2(20) | X | Unique Identifier of Dispatchable Unit |
| OFFERDATETIME | DATE | X | Date and Time when this unit availability submission was loaded |
| PERIODID | NUMBER(3,0) | X | Trading interval number (1...48) within this TRADINGDATE for which UPPERMWLIMIT applies |
| UPPERMWLIMIT | NUMBER(6) | | Maximum imposed MW limit (down regulation in AWEFS/ASEFS). Value between 0 and the registered DUID Maximum Capacity. Value = -1 means no limit applies. |

11.12 Table: INTERMITTENT_GEN_LIMIT_DAY

11.12.1 INTERMITTENT_GEN_LIMIT_DAY

| | |
|---------|---|
| Name | INTERMITTENT_GEN_LIMIT_DAY |
| Comment | Summary record for an Upper MW Limit submission for an intermittent generating unit for a Trading Day |

11.12.2 Primary Key Columns

| |
|---------------|
| Name |
| DUID |
| OFFERDATETIME |
| TRADINGDATE |

11.12.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|---|
| TRADINGDATE | DATE | X | Trading Day for which this unit availability submission applies |
| DUID | VARCHAR2(20) | X | Unique Identifier of Dispatchable Unit |
| OFFERDATETIME | DATE | X | Date and Time when this unit availability submission was loaded |
| PARTICIPANTID | VARCHAR2(20) | | Unique participant identifier |
| LASTCHANGED | DATE | | Last date and time record changed |
| AUTHORISEDUSER | VARCHAR2(20) | | User entering the unit availability submission |
| AUTHORISEDPARTICIPANTID | VARCHAR2(20) | | Participant entering the unit availability submission |

11.13 Table: INTERMITTENT_GEN_SCADA

11.13.1 INTERMITTENT_GEN_SCADA

| | |
|---------|---|
| Name | INTERMITTENT_GEN_SCADA |
| Comment | INTERMITTENT_GEN_SCADA provides the SCADA Availability for every intermittent generating unit, including Elements Available (wind turbines/solar inverters) and Local Limit |

11.13.2 Primary Key Columns

| |
|--------------|
| Name |
| DUID |
| RUN_DATETIME |
| SCADA_TYPE |

11.13.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date Time of the dispatch interval (interval ending) |
| DUID | VARCHAR2(20) | X | Dispatchable Unit Identifier |
| SCADA_TYPE | VARCHAR2(20) | X | SCADA snapshot for intermittent generating unit at start of interval for a specified SCADA signal type. ELAV = Total Elements Available (# turbines for wind farms, # inverters for solar farms); LOCL = Local Limit (MW). |
| SCADA_VALUE | NUMBER(15,5) | | SCADA value snapshot for intermittent generating unit at start of interval for a specified SCADA signal type. |
| SCADA_QUALITY | VARCHAR2(20) | | SCADA quality snapshot for intermittent generating unit at start of interval for a specified SCADA signal type. |

11.14 Table: INTERMITTENT_P5_PRED

11.14.1 INTERMITTENT_P5_PRED

| | |
|---------|--|
| Name | INTERMITTENT_P5_PRED |
| Comment | Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch |

11.14.2 Primary Key Columns

| |
|-------------------|
| Name |
| DUID |
| FORECAST_PRIORITY |
| INTERVAL_DATETIME |
| OFFERDATETIME |
| ORIGIN |
| RUN_DATETIME |

11.14.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Date and Time of the first interval of 5-Minute Predispatch where the forecast applies (dispatch interval ending) |
| DUID | VARCHAR2(20) | X | DUID (or Area for non-scheduled) where this forecast applies |
| OFFERDATETIME | DATE | X | Date and Time when this forecast submission was loaded |
| INTERVAL_DATETIME | DATE | X | Interval within the current RUN_DATETIME where this forecast applies (dispatch interval ending) |
| ORIGIN | VARCHAR2(20) | X | Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor) |

| | | | |
|-------------------|--------------|---|--|
| FORECAST_PRIORITY | NUMBER(10,0) | X | Unsuppressed forecasts with higher priority values are used in 5-Minute Predispatch in preference to unsuppressed forecasts with lower priority values |
| FORECAST_MEAN | NUMBER(18,8) | | Forecast MW value for this interval_DateTime |
| FORECAST_POE10 | NUMBER(18,8) | | Forecast 10% POE MW value for this interval_DateTime |
| FORECAST_POE50 | NUMBER(18,8) | | Forecast 50% POE MW value for this interval_DateTime. |
| FORECAST_POE90 | NUMBER(18,8) | | Forecast 90% POE MW value for this interval_DateTime |

11.15 Table: INTERMITTENT_P5_RUN

11.15.1 INTERMITTENT_P5_RUN

Name INTERMITTENT_P5_RUN
 Comment Unconstrained Intermittent Generation Forecasts (UIGF) for 5-Minute Pre-dispatch

11.15.2 Primary Key Columns

Name
 DUID
 FORECAST_PRIORITY
 OFFERDATETIME
 ORIGIN
 RUN_DATETIME

11.15.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date and Time of the first interval of 5-minute pre-dispatch where the forecast applies. |
| DUID | Varchar2(20) | X | DUID (or Area for non-scheduled) where this forecast applies |
| OFFERDATETIME | DATE | X | Date and Time when this forecast submission was loaded |
| ORIGIN | Varchar2(20) | X | Origin of this forecast (PARTICIPANTID, AWEFS/ASEFS, or another vendor) |
| FORECAST_PRIORITY | NUMBER(10,0) | X | Unsuppressed forecasts with higher priority values are used in 5-Minute Predispatch in preference to unsuppressed forecasts with lower priority values |
| AUTHORISED BY | Varchar2(20) | | Authorising officer of this forecast |

| | | | |
|------------------------|---------------|--|--|
| COMMENTS | Varchar2(200) | | Comments relating to the forecast |
| LASTCHANGED | DATE | | Last date and time the record changed. |
| MODEL | Varchar2(30) | | Metadata relating to the forecast. |
| PARTICIPANT_TIMESTAMP | DATE | | Participant can document when the forecast was created |
| SUPPRESSED_AEMO | NUMBER(1,0) | | Was this forecast suppressed by AEMO? Suppressed = 1, Not suppressed =0 |
| SUPPRESSED_PARTICIPANT | NUMBER(1,0) | | Was this forecast suppressed by the participant? Suppressed submissions may not be used, Suppressed = 1, Not suppressed =0 |
| TRANSACTION_ID | Varchar2(100) | | Uniquely identifies this interaction |

11.16 Table: MTPASA_INTERMITTENT_AVAIL

11.16.1 MTPASA_INTERMITTENT_AVAIL

| | |
|---------|---|
| Name | MTPASA_INTERMITTENT_AVAIL |
| Comment | A submission of expected plant availability for intermittent generators for use in MTPASA intermittent generation forecasts |

11.16.2 Primary Key Columns

| |
|---------------|
| Name |
| CLUSTERID |
| DUID |
| OFFERDATETIME |
| TRADINGDATE |

11.16.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|--|
| TRADINGDATE | DATE | X | Trading Day for which this cluster availability submission applies |
| DUID | VARCHAR2(20) | X | Unique Identifier of Dispatchable Unit |
| OFFERDATETIME | DATE | X | Date and Time when this cluster availability submission was loaded |
| CLUSTERID | VARCHAR2(20) | X | Unique Cluster Identifier for this cluster within the DUID |
| LASTCHANGED | DATE | | Last date and time record changed |
| ELEMENTS_UNAVAILABLE | NUMBER(5,0) | | Number of elements within this CLUSTERID (turbines for wind, or inverters for solar) that are not available for this TRADINGDATE. Value between 0 and the registered Number of Cluster Elements. Value = 0 means no elements unavailable |
| ELEMENTS_AVAILABLE | NUMBER(5,0) | | Number of elements within this CLUSTERID (turbines for wind, or |

| | | | |
|--|--|--|--|
| | | | inverters for solar) that are available for this TRADINGDATE. Value between 0 and the registered Number of Cluster Elements. Value = 0 means no elements available |
|--|--|--|--|

11.17 Table: MTPASA_INTERMITTENT_LIMIT

11.17.1 MTPASA_INTERMITTENT_LIMIT

| | |
|---------|---|
| Name | MTPASA_INTERMITTENT_LIMIT |
| Comment | A submission of expected maximum availability for intermittent generators for use in MTPASA intermittent generation forecasts |

11.17.2 Primary Key Columns

| |
|---------------|
| Name |
| DUID |
| OFFERDATETIME |
| TRADINGDATE |

11.17.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------------------|--------------|-----------|--|
| TRADINGDATE | DATE | X | Trading Day for which this unit availability submission applies |
| DUID | VARCHAR2(20) | X | Unique Identifier of Dispatchable Unit |
| OFFERDATETIME | DATE | X | Date time file processed |
| LASTCHANGED | DATE | | Last date and time record changed |
| UPPERMWLIMIT | NUMBER(6) | | Maximum imposed MW limit. Value between 0 and the registered DUID Maximum Capacity. Value = -1 means no limit applies. |
| AUTHORISEDUSER | VARCHAR2(20) | | User entering the unit availability submission |
| AUTHORISEDBYPARTICIPANTID | VARCHAR2(20) | | Participant entering the unit availability submission |

11.18 Table: PERDEMAND

11.18.1 PERDEMAND

| | |
|---------|---|
| Name | PERDEMAND |
| Comment | PERDEMAND sets out the regional demands and MR schedule data for each half-hour period. PERDEMAND is a child table to RESDEMANDTRK. |

11.18.2 Description

The RESDEMANDTRK and PERDEMAND tables have a parent/child relationship, and define forecast regional demands since market start. RESDEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date. PERDEMAND defines the numerical forecast values for each trading interval of a the trading day for that region. A complete trading day forecast for one region consists of one RESDEMANDTRK record and 48 PERDEMAND records.

Source

PERDEMAND updates whenever AEMO issues a new or revised forecast. ST PASA forecasts update seven days at a time. Predispatch updates one date.

Volume

1296000 rows per year

Note

In the context of a mandatory restrictions event the forecast schedule (MW) of restrictions are reported through the RESDEMANDTRK and PERDEMAND tables using the new field PerDemand.MR_Schedule. The relationship between fields and mandatory restriction terms for the 50% probability of exceedence forecast are:

- UnRestricted Profile = ResDemand + MR_Schedule
- Restricted Profile = ResDemand

11.18.3 Primary Key Columns

- Name
- OFFERDATE
- PERIODID
- REGIONID
- SETTLEMENTDATE
- VERSIONNO

11.18.4 Index Columns

Name

LASTCHANGED

11.18.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|---|
| EFFECTIVEDATE | DATE | | Market date the forecast is made for. First date of the 7 days. |
| SETTLEMENTDATE | DATE | X | Market date of forecast up to 7 days ahead. |
| REGIONID | VARCHAR2(10) | X | Differentiates this region from all other regions |
| OFFERDATE | DATE | X | Date record issued |
| PERIODID | NUMBER(3,0) | X | Half hourly trading intervals from 04:30. |
| VERSIONNO | NUMBER(3,0) | X | The version of the RESEMAND file for this date |
| RESEMAND | NUMBER(10,0) | | Base Demand forecast for period |
| DEMAND90PROBABILITY | NUMBER(10,0) | | Demand at 90% probability of exceedance |
| DEMAND10PROBABILITY | NUMBER(10,0) | | Demand level for a 10% probability of exceedance |
| LASTCHANGED | DATE | | Last date and time record changed |
| MR_SCHEDULE | NUMBER(6,0) | | MR_Schedule = Unrestricted Demand - POE |

11.19 Table: RESDEMANDTRK

11.19.1 RESDEMANDTRK

| | |
|---------|---|
| Name | RESDEMANDTRK |
| Comment | <p>RESDEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date.</p> <p>RESDEMANDTRK and PERDEMAND have a parent/child relationship, and are for defined forecast regional demands since market start. RESDEMANDTRK defines the existence and versioning information of a forecast for a specific region and trading date. PERDEMAND defines the numerical forecast values for each trading interval of a the trading day for that region. A complete trading day forecast for one region consists of one RESDEMANDTRK record and 48 PERDEMAND records.</p> |

11.19.2 Description

RESDEMANDTRK data is public, so is available to all participants.

Source

RESDEMANDTRK updates are ad hoc.

Volume

27000 rows per year.

11.19.3 Primary Key Columns

- Name
- EFFECTIVEDATE
- OFFERDATE
- REGIONID
- VERSIONNO

11.19.4 Index Columns

- Name
- LASTCHANGED

11.19.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Trading Date of the regional forecast |
| REGIONID | VARCHAR2(10) | X | Unique RegionID |
| OFFERDATE | DATE | X | Date the forecast was created |
| VERSIONNO | NUMBER(3,0) | X | Version of this forecast with respect to the Effectivedate and Offerdate |
| FILENAME | VARCHAR2(40) | | Tracking purposes only |
| AUTHORISEDDATE | DATE | | Date forecast authorised |
| AUTHORISEDBY | VARCHAR2(10) | | Identifier of authorising user |
| LASTCHANGED | DATE | | Date and time the record was last modified |

11.20 Table: ROOFTOP_PV_ACTUAL

11.20.1 ROOFTOP_PV_ACTUAL

| | |
|---------|---|
| Name | ROOFTOP_PV_ACTUAL |
| Comment | Estimate of regional Rooftop Solar actual generation for each half-hour interval in a day |

11.20.2 Primary Key Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| REGIONID |
| TYPE |

11.20.3 Index Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| TYPE |
| REGIONID |

11.20.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| INTERVAL_DATETIME | DATE | X | The forecast half-hour interval (time ending) |
| TYPE | VARCHAR2(20) | X | One of DAILY, MEASUREMENT or SATELLITE. DAILY- best quality estimated actuals, available day after. MEASUREMENT- best quality estimated actuals on day, delayed by 1 half hour. SATELLITE- estimated actuals using satellite imagery, delayed by 1 half hour. |
| REGIONID | VARCHAR2(20) | X | Region identifier |

| | | | |
|-------------|--------------|--|--|
| POWER | NUMBER(12,3) | | Estimated generation in MW at the interval end |
| QI | NUMBER(2,1) | | Quality indicator. Represents the quality of the estimate. |
| LASTCHANGED | DATE | | Last date and time record changed |

11.21 Table: ROOFTOP_PV_FORECAST

11.21.1 ROOFTOP_PV_FORECAST

| | |
|---------|---|
| Name | ROOFTOP_PV_FORECAST |
| Comment | Regional forecasts of Rooftop Solar generation across the half-hour intervals over 8 days |

11.21.2 Primary Key Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| REGIONID |
| VERSION_DATETIME |

11.21.3 Index Columns

| |
|-------------------|
| Name |
| VERSION_DATETIME |
| INTERVAL_DATETIME |
| REGIONID |

11.21.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| VERSION_DATETIME | DATE | X | Date time this forecast was produced |
| REGIONID | VARCHAR2(20) | X | Region identifier |
| INTERVAL_DATETIME | DATE | X | The forecast half-hour interval (time ending) |
| POWERMEAN | NUMBER(12,3) | | The average forecast value in MW at the interval end |
| POWERPOE50 | NUMBER(12,3) | | 50% probability of exceedance forecast value in MW at the interval end |

| | | | |
|--------------|--------------|--|--|
| POWERPOELOW | NUMBER(12,3) | | 10% probability of exceedance forecast value in MW at the interval end |
| POWERPOEHIGH | NUMBER(12,3) | | 90% probability of exceedance forecast value in MW at the interval end |
| LASTCHANGED | DATE | | Last date and time record changed |

12 Package: DISPATCH

| | |
|----------------|---------------------------------------|
| <i>Name</i> | DISPATCH |
| <i>Comment</i> | Results from a published Dispatch Run |

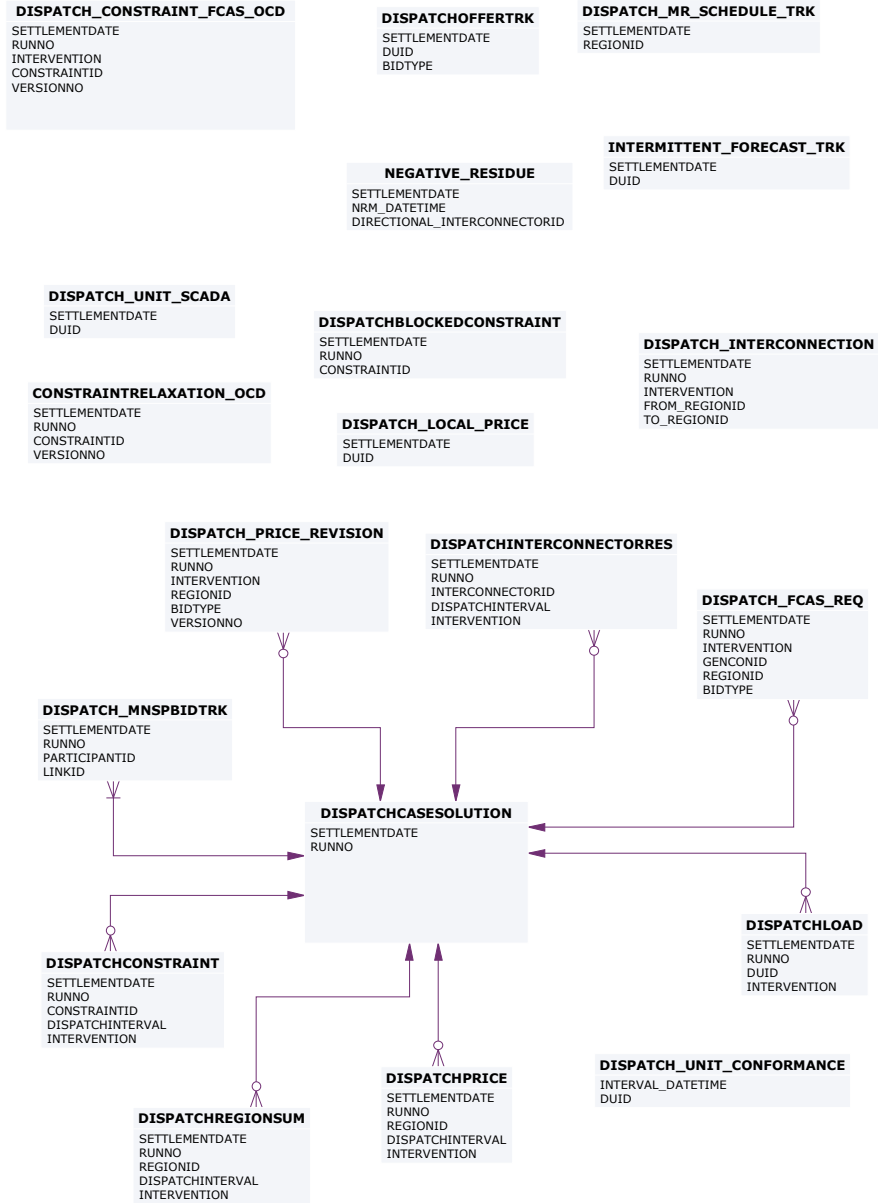
12.1 List of tables

| Name | Comment |
|------------------------------|--|
| CONSTRAINTRELAXATION_OCD | <p>CONSTRAINTRELAXATION_OCD contains details of interconnector constraints and unit ancillary service constraints relaxed in the over-constrained dispatch (OCD) re-run for this interval (if there was one).</p> <p>Note: INTERVENTION is not included in CONSTRAINTRELAXATION_OCD, since the relaxation of the same constraint is the same amount in both intervened and non-intervened cases.</p> |
| DISPATCH_CONSTRAINT_FCAS_OCD | FCAS constraint solution from OCD re-run. |
| DISPATCH_FCAS_REQ | DISPATCH_FCAS_REQ shows Dispatch Constraint tracking for Regional FCAS recovery. |
| DISPATCH_INTERCONNECTION | Inter-regional flow information common to or aggregated for regulated (i.e. not MNSP) Interconnectors spanning the From-Region and To-Region - NB only the physical run is calculated' |
| DISPATCH_LOCAL_PRICE | Sets out local pricing offsets associated with each DUID connection point for each dispatch period. Note that from 2014 Mid year release only records with non-zero Local_Price_Adjustment values are issued |
| DISPATCH_MNSPBIDTRK | DISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each dispatch run for each MNSP Interconnector Link. The table identifies which bids from MNSP_DAYOFFER and MNSP_BIDOFFERPERIOD were applied. |
| DISPATCH_MR_SCHEDULE_TRK | <p>DISPATCH_MR_SCHEDULE_TRK records the Mandatory Restrictions Acceptance Schedule applied to this dispatch interval for this region.</p> <p>DISPATCH_MR_SCHEDULE_TRK is populated by the Dispatch process and records the MR Offer Stack applied in each dispatch interval. DISPATCH_MR_SCHEDULE_TRK is used by Settlements to calculate payments according to the correct MR offer stack.</p> |

| | |
|---------------------------|---|
| | |
| DISPATCH_PRICE_REVISION | An audit trail of price changes on the DISPATCHPRICE table (i.e. for 5 minute dispatch prices for energy and FCAS). |
| DISPATCH_UNIT_CONFORMANCE | DISPATCH_UNIT_CONFORMANCE details the conformance of a scheduled units operation with respect to a cleared target on dispatch interval basis. Data is confidential |
| DISPATCH_UNIT_SCADA | Dispatchable unit MW from SCADA at the start of the dispatch interval. The table includes all scheduled and semi-scheduled (and non-scheduled units where SCADA is available) |
| DISPATCHBLOCKEDCONSTRAINT | DISPATCH Blocked Constraints lists any constraints that were blocked in a dispatch run. If no constraints are blocked, there will be no rows for that dispatch run. |
| DISPATCHCASESOLUTION | DISPATCHCASESOLUTION shows information relating to the complete dispatch run. The fields in DISPATCHCASESOLUTION provide an overview of the dispatch run results allowing immediate identification of conditions such as energy or FCAS deficiencies. |
| DISPATCHCONSTRAINT | DISPATCHCONSTRAINT sets out details of all binding and interregion constraints in each dispatch run. Note: invoked constraints can be established from GENCONSETINVOKE. Binding constraints show as marginal value >\$0. Interconnector constraints are listed so RHS (SCADA calculated limits) can be reported. |
| DISPATCHINTERCONNECTORRES | DISPATCHINTERCONNECTORRES sets out MW flow and losses on each interconnector for each dispatch period, including fields for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraints set the energy import and export limits. |
| DISPATCHLOAD | DISPATCHLOAD set out the current SCADA MW and target MW for each dispatchable unit, including relevant Frequency Control Ancillary Services (FCAS) enabling targets for each five minutes and additional fields to handle the new Ancillary Services functionality. Fast Start Plant status is indicated by dispatch mode. |
| DISPATCHOFFERTRK | DISPATCHOFFERTRK is the energy and ancillary service bid tracking table for the Dispatch process. The table identifies which bids from BIDDAYOFFER and BIDOFFERPERIOD were applied for a given unit and bid type for each dispatch interval. |
| DISPATCHPRICE | DISPATCHPRICE records 5 minute dispatch prices for energy and FCAS, including whether an intervention has occurred, or price override (e.g. for Administered Price Cap). DISPATCHPRICE updates when price adjustments occur, in which case the new price is written to the RRP field, and the old price to the ROP field as an audit trail. |

| | |
|---------------------------|---|
| DISPATCHREGIONSUM | DISPATCHREGIONSUM sets out the 5-minute solution for each dispatch run for each region, including the Frequency Control Ancillary Services (FCAS) services provided. Additional fields are for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations. |
| INTERMITTENT_FORECAST_TRK | Uniquely tracks which Intermittent Generation forecast was used for the DUID in which Dispatch run |
| NEGATIVE_RESIDUE | Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon |

12.2 Diagram: Entities: Dispatch



12.3 Table: CONSTRAINTRELAXATION_OCD

12.3.1 CONSTRAINTRELAXATION_OCD

| | |
|---------|---|
| Name | CONSTRAINTRELAXATION_OCD |
| Comment | CONSTRAINTRELAXATION_OCD contains details of interconnector constraints and unit ancillary service constraints relaxed in the over-constrained dispatch (OCD) re-run for this interval (if there was one). Note: INTERVENTION is not included in CONSTRAINTRELAXATION_OCD, since the relaxation of the same constraint is the same amount in both intervened and non-intervened cases. |

12.3.2 Description

Source

The occurrences of Over-Constrained Dispatch (OCD) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system.

Over-constrained dispatch (OCD) re-run (if there was one).

Volume

Rows per day: ~2

Mb per month: <1

The estimates on the number of rows are based on a 1% occurrence rate for OCD runs.

12.3.3 Primary Key Columns

- Name
- CONSTRAINTID
- RUNNO
- SETTLEMENTDATE
- VERSIONNO

12.3.4 Index Columns

- Name
- LASTCHANGED

12.3.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | End date and time of the dispatch interval |
| RUNNO | NUMBER(3,0) | X | Dispatch run no |
| CONSTRAINTID | VARCHAR2(20) | X | Constraint identifier |
| RHS | NUMBER(16,6) | | Relaxed RHS used in attempt to avoid constraint violation |
| LASTCHANGED | DATE | | Last date and time record changed |
| VERSIONNO | NUMBER(3,0) | X | Version Number |

12.4 Table: DISPATCH_CONSTRAINT_FCAS_OCD

12.4.1 DISPATCH_CONSTRAINT_FCAS_OCD

Name DISPATCH_CONSTRAINT_FCAS_OCD
 Comment FCAS constraint solution from OCD re-run.

12.4.2 Primary Key Columns

Name
 CONSTRAINTID
 INTERVENTION
 RUNNO
 SETTLEMENTDATE
 VERSIONNO

12.4.3 Index Columns

Name
 LASTCHANGED

12.4.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Dispatch interval that the prices were loaded to |
| RUNNO | NUMBER(3) | X | Dispatch run no; always 1 |
| INTERVENTION | NUMBER(2) | X | Intervention 0/1 |
| CONSTRAINTID | VARCHAR2(20) | X | ConstraintID/GenconID |
| VERSIONNO | NUMBER(3) | X | VersionNo |
| LASTCHANGED | DATE | | The datetime that the record was last changed |

| | | | |
|-----------------|--------------|--|--|
| RHS | NUMBER(15,5) | | RHS from OCD re-run |
| MARGINALVALUE | NUMBER(15,5) | | marginalvalue from OCD re-run |
| VIOLATIONDEGREE | NUMBER(15,5) | | The violation degree of this constraint in the solution result |

12.5 Table: DISPATCH_FCAS_REQ

12.5.1 DISPATCH_FCAS_REQ

| | |
|---------|--|
| Name | DISPATCH_FCAS_REQ |
| Comment | DISPATCH_FCAS_REQ shows Dispatch Constraint tracking for Regional FCAS recovery. |

12.5.2 Description

DISPATCH_FCAS_REQ is public data and is available to all participants.

Source

DISPATCH_FCAS_REQ updates with each dispatch run (5 minutes).

Volume

Approximately 10,000 rows per day

12.5.3 Primary Key Columns

Name
 BIDTYPE
 GENCONID
 INTERVENTION
 REGIONID
 RUNNO
 SETTLEMENTDATE

12.5.4 Index Columns

Name
 LASTCHANGED

12.5.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Settlement date and time of Dispatch Interval |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| INTERVENTION | NUMBER(2,0) | X | Intervention Flag |
| GENCONID | VARCHAR2(20) | X | Generic Constraint ID - Join to table GenConData |
| REGIONID | VARCHAR2(10) | X | |
| BIDTYPE | VARCHAR2(10) | X | DUID offered type |
| GENCONEFFECTIVEDATE | DATE | | Generic Constraint EffectiveDate - Join to table GenConData |
| GENCONVERSIONNO | NUMBER(3,0) | | Generic Constraint Version number - Join to table GenConData |
| MARGINALVALUE | NUMBER(16,6) | | |
| LASTCHANGED | DATE | | Date record is changed |
| BASE_COST | NUMBER(18,8) | | The base cost of the constraint for this service, before the regulation/contingency split |
| ADJUSTED_COST | NUMBER(18,8) | | The adjusted cost of the constraint for this service, before the regulation/contingency split |
| ESTIMATED_CMPF | NUMBER(18,8) | | An estimated value for the constraint CMPF, based on dispatched data |
| ESTIMATED_CRMPF | NUMBER(18,8) | | An estimated value for the constraint CRMPF, based on dispatched data |
| RECOVERY_FACTOR_CMPF | NUMBER(18,8) | | Estimated recovery factor for CMPF based recovery |
| RECOVERY_FACTOR_CRMPF | NUMBER(18,8) | | Estimated recovery factor for CRMPF based recovery |

12.6 Table: DISPATCH_INTERCONNECTION

12.6.1 DISPATCH_INTERCONNECTION

| | |
|---------|--|
| Name | DISPATCH_INTERCONNECTION |
| Comment | Inter-regional flow information common to or aggregated for regulated (i.e. not MNSP) Interconnectors spanning the From-Region and To-Region - NB only the physical run is calculated' |

12.6.2 Primary Key Columns

| |
|----------------|
| Name |
| FROM_REGIONID |
| INTERVENTION |
| RUNNO |
| SETTLEMENTDATE |
| TO_REGIONID |

12.6.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:05 |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| INTERVENTION | NUMBER(2,0) | X | Intervention case or not |
| FROM_REGIONID | VARCHAR2(20) | X | Nominated RegionID from which the energy flows |
| TO_REGIONID | VARCHAR2(20) | X | Nominated RegionID to which the energy flows |
| DISPATCHINTERVAL | NUMBER(22,0) | | Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP |
| IRLF | NUMBER(15,5) | | Inter-Regional Loss Factor. Calculated based on the MWFLOW and the nominal From and To Region losses. |

| | | | |
|-----------------------|--------------|--|---|
| MWFLOW | NUMBER(16,6) | | Summed MW flow of the parallel regulated Interconnectors |
| METEREDMWFLOW | NUMBER(16,6) | | Summed Metered MW flow of the parallel regulated Interconnectors |
| FROM_REGION_MW_LOSSES | NUMBER(16,6) | | Losses across the Interconnection attributable to the nominal From Region |
| TO_REGION_MW_LOSSES | NUMBER(16,6) | | Losses across the Interconnection attributable to the nominal To Region |
| LASTCHANGED | DATE | | The datetime that the record was last changed |

12.7 Table: DISPATCH_LOCAL_PRICE

12.7.1 DISPATCH_LOCAL_PRICE

| | |
|---------|--|
| Name | DISPATCH_LOCAL_PRICE |
| Comment | Sets out local pricing offsets associated with each DUID connection point for each dispatch period. Note that from 2014 Mid year release only records with non-zero Local_Price_Adjustment values are issued |

12.7.2 Primary Key Columns

| |
|----------------|
| Name |
| DUID |
| SETTLEMENTDATE |

12.7.3 Index Columns

| |
|----------------|
| Name |
| SETTLEMENTDATE |
| DUID |

12.7.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Market date time starting at 04:05 |
| DUID | VARCHAR2(20) | X | Dispatchable unit identifier |
| LOCAL_PRICE_ADJUSTMENT | NUMBER(10,2) | | Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints |
| LOCALLY_CONSTRAINED | NUMBER(1,0) | | Key for Local_Price_Adjustment: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |

12.8 Table: DISPATCH_MNSPBIDTRK

12.8.1 DISPATCH_MNSPBIDTRK

| | |
|---------|--|
| Name | DISPATCH_MNSPBIDTRK |
| Comment | DISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each dispatch run for each MNSP Interconnector Link. The table identifies which bids from MNSP_DAYOFFER and MNSP_BIDOFFERPERIOD were applied. |

12.8.2 Description

DISPATCH_MNSPBIDTRK shows own details for participant as they occur, with all details until close of business yesterday being available to all participants after end of day.

Source

DISPATCH_MNSPBIDTRK potentially updates every 5 minutes.

Volume

220, 000 per year

12.8.3 Primary Key Columns

Name
LINKID
PARTICIPANTID
RUNNO
SETTLEMENTDATE

12.8.4 Index Columns

Name
LASTCHANGED

12.8.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-------------------------------|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:05 |

| | | | |
|---------------------|--------------|---|--|
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| PARTICIPANTID | VARCHAR2(10) | X | Participant that owns unit during effective record period |
| LINKID | VARCHAR2(10) | X | Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to. |
| OFFERSETTLEMENTDATE | DATE | | Offer date for bid |
| OFFEREFFECTIVEDATE | TIMESTAMP(3) | | Time this bid was processed and loaded |
| OFFERVERSIONNO | NUMBER(3,0) | | VersionNo of the bid/offer used |
| LASTCHANGED | DATE | | Record creation timestamp |

12.9 Table: DISPATCH_MR_SCHEDULE_TRK

12.9.1 DISPATCH_MR_SCHEDULE_TRK

| | |
|---------|---|
| Name | DISPATCH_MR_SCHEDULE_TRK |
| Comment | DISPATCH_MR_SCHEDULE_TRK records the Mandatory Restrictions Acceptance Schedule applied to this dispatch interval for this region. DISPATCH_MR_SCHEDULE_TRK is populated by the Dispatch process and records the MR Offer Stack applied in each dispatch interval. DISPATCH_MR_SCHEDULE_TRK is used by Settlements to calculate payments according to the correct MR offer stack. |

12.9.2 Description

DISPATCH_MR_SCHEDULE_TRK data is public to all participants.

Source

DISPATCH_MR_SCHEDULE_TRK updates are ad hoc.

Volume

2 rows per year.

12.9.3 Primary Key Columns

| |
|----------------|
| Name |
| REGIONID |
| SETTLEMENTDATE |

12.9.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

12.9.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|------------------|--------------|---|---|
| SETTLEMENTDATE | DATE | X | Date Time of the Dispatch Interval |
| REGIONID | VARCHAR2(10) | X | Unique RegionID; Key reference to MR_Event_Schedule |
| MR_DATE | DATE | | Mandatory Restriction date; Key reference to MR_Event_Schedule table |
| VERSION_DATETIME | DATE | | Date Time the MR acceptance stack was created; Key reference to MR_Event_Schedule table |
| LASTCHANGED | DATE | | Date and time the record was last inserted/modified |

12.10 Table: DISPATCH_PRICE_REVISION

12.10.1 DISPATCH_PRICE_REVISION

| | |
|---------|---|
| Name | DISPATCH_PRICE_REVISION |
| Comment | An audit trail of price changes on the DISPATCHPRICE table (i.e. for 5 minute dispatch prices for energy and FCAS). |

12.10.2 Primary Key Columns

Name
 BIDTYPE
 INTERVENTION
 REGIONID
 RUNNO
 SETTLEMENTDATE
 VERSIONNO

12.10.3 Index Columns

Name
 LASTCHANGED

12.10.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Market date and time starting at 04:05 |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| INTERVENTION | NUMBER(2,0) | X | Manual intervention flag; always 0 |
| REGIONID | VARCHAR2(10) | X | Affected Region Identifier |
| BIDTYPE | VARCHAR2(10) | X | Affected Bid Type Identifier |

| | | | |
|-------------|--------------|---|---|
| VERSIONNO | NUMBER(3) | X | Version No of price revision for this settlement date |
| RRP_NEW | NUMBER(15,5) | | New RRP in DISPATCHPRICE table |
| RRP_OLD | NUMBER(15,5) | | Old RRP from DISPATCHPRICE table |
| LASTCHANGED | DATE | | The datetime the record was last changed |

12.11 Table: DISPATCH_UNIT_CONFORMANCE

12.11.1 DISPATCH_UNIT_CONFORMANCE

| | |
|---------|---|
| Name | DISPATCH_UNIT_CONFORMANCE |
| Comment | DISPATCH_UNIT_CONFORMANCE details the conformance of a scheduled units operation with respect to a cleared target on dispatch interval basis. Data is confidential |

12.11.2 Description

DISPATCH_UNIT_CONFORMANCE data is confidential.

Source

DISPATCH_UNIT_CONFORMANCE shows data for every 5 minutes for all scheduled units

Volume

Rows per day: 288 per scheduled unit

12.11.3 Primary Key Columns

| |
|-------------------|
| Name |
| DUID |
| INTERVAL_DATETIME |

12.11.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

12.11.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| INTERVAL_DATETIME | DATE | X | Dispatch Interval that the conformance data applies to |
| DUID | VARCHAR2(20) | X | Dispatchable Unit Identifier, or Aggregate Dispatch Group identifier |

| | | | |
|---------------------------|---------------|--|---|
| TOTALCLEARED | NUMBER(16,6) | | Dispatch Target - MW |
| ACTUALMW | NUMBER(16,6) | | Unit output measured at the conclusion of the dispatch interval - MW (MWB) |
| ROC | NUMBER(16,6) | | Rate of change in direction of error MW per minute |
| AVAILABILITY | NUMBER(16,6) | | Offered unit capacity - MW (MWO) |
| LOWERREG | NUMBER(16,6) | | Lower Regulation FCAS enabled - MW (FCL) |
| RAISEREG | NUMBER(16,6) | | Raise Regulation FCAS enabled - MW (FCR) |
| STRIGLM | NUMBER(16,6) | | Calculated small trigger error limit in MW |
| LTRIGLM | NUMBER(16,6) | | Calculated large trigger error limit in MW |
| MWERROR | NUMBER(16,6) | | Calculated actual error |
| MAX_MWERROR | NUMBER(16,6) | | Max of mwerror while that unit was not in a normal state |
| LECOUNT | NUMBER(6) | | Large trigger error count. Reset when mwerror changes sign |
| SECOUNT | NUMBER(6) | | Small trigger error count. Reset when mwerror changes sign |
| STATUS | VARCHAR2(20) | | Unit conformance status. NORMAL OFF-TARGET NOT-RESPONDING NC-PENDING NON-CONFORMING SUSPENDED |
| PARTICIPANT_STATUS_ACTION | VARCHAR2(100) | | Participant action required in response to current STATUS |
| OPERATING_MODE | VARCHAR2(20) | | conformance operating mode MANUAL AUTO |
| LASTCHANGED | DATE | | Last date and time record changed |
| ADG_ID | VARCHAR2(20) | | Aggregate Dispatch Group to which this |

| | | | |
|------------------|-------------|--|--|
| | | | dispatch unit belongs |
| SEMIDISPATCHCAP | NUMBER(3,0) | | Boolean representation flagging if the Target is capped |
| CONFORMANCE_MODE | NUMBER(6,0) | | For an individual unit in an aggregate dispatch group (where DUID <> ADG_ID), Mode specific to that unit. 0 - no monitoring, 1 - aggregate monitoring, 2 - individual monitoring due to constraint. For the aggregate dispatch group (where DUID = ADG_ID), 0 - no aggregate monitoring, 1 - aggregate monitoring |

12.12 Table: DISPATCH_UNIT_SCADA

12.12.1 DISPATCH_UNIT_SCADA

| | |
|---------|---|
| Name | DISPATCH_UNIT_SCADA |
| Comment | Dispatchable unit MW from SCADA at the start of the dispatch interval. The table includes all scheduled and semi-scheduled (and non-scheduled units where SCADA is available) |

12.12.2 Description

DISPATCH_UNIT_SCADA data is public data, and is available to all participants.

Source

DISPATCH_UNIT_SCADA shows data for every 5 minutes for all scheduled units

Volume

Rows per day: 288 per each scheduled, semi-scheduled (and non-scheduled unit where SCADA is available)

12.12.3 Primary Key Columns

Name
 DUID
 SETTLEMENTDATE

12.12.4 Index Columns

Name
 SETTLEMENTDATE
 DUID

12.12.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|------------------------------------|
| SETTLEMENTDATE | Date | X | Date Time of the Dispatch Interval |
| DUID | varchar2(20) | X | Dispatchable Unit Identifier |

| | | | |
|------------|--------------|--|---|
| SCADAValue | Number(16,6) | | Instantaneous MW reading from SCADA at the start of the Dispatch interval |
|------------|--------------|--|---|

12.13 Table: DISPATCHBLOCKEDCONSTRAINT

12.13.1 DISPATCHBLOCKEDCONSTRAINT

| | |
|---------|---|
| Name | DISPATCHBLOCKEDCONSTRAINT |
| Comment | DISPATCH Blocked Constraints lists any constraints that were blocked in a dispatch run. If no constraints are blocked, there will be no rows for that dispatch run. |

12.13.2 Primary Key Columns

| |
|----------------|
| Name |
| CONSTRAINTID |
| RUNNO |
| SETTLEMENTDATE |

12.13.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Dispatch Interval |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| CONSTRAINTID | VARCHAR2(20) | X | Generic Constraint identifier (synonymous with GenConID) |

12.14 Table: DISPATCHCASESOLUTION

12.14.1 DISPATCHCASESOLUTION

| | |
|---------|---|
| Name | DISPATCHCASESOLUTION |
| Comment | DISPATCHCASESOLUTION shows information relating to the complete dispatch run. The fields in DISPATCHCASESOLUTION provide an overview of the dispatch run results allowing immediate identification of conditions such as energy or FCAS deficiencies. |

12.14.2 Description

The DISPATCHCASESOLUTION data is public.

Source

DISPATCHCASESOLUTION updates every 5 minutes.

Volume

Approximately 288 records per day.

12.14.3 Primary Key Columns

| |
|----------------|
| Name |
| RUNNO |
| SETTLEMENTDATE |

12.14.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

12.14.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|---|
| SETTLEMENTDATE | DATE | X | Date and time of the dispatch interval (e.g. five minute dispatch interval ending 28/09/2000 16:35) |

| | | | |
|-------------------------------|---------------|---|--|
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| INTERVENTION | NUMBER(2,0) | X | Intervention flag - refer to package documentation for definition and practical query examples |
| CASESUBTYPE | VARCHAR2(3) | | Overconstrained dispatch indicator: * OCD = detecting over-constrained dispatch * null = no special condition |
| SOLUTIONSTATUS | NUMBER(2,0) | | If non-zero indicated one of the following conditions: * 1 = Supply Scarcity, Excess generation or constraint violations * X = Model failure |
| SPDVERSION | VARCHAR2(20) | | Current version of SPD |
| NONPHYSICALLOSSES | NUMBER(1,0) | | Non-Physical Losses algorithm invoked occurred during this run |
| TOTALOBJECTIVE | NUMBER(27,10) | | The Objective function from the LP |
| TOTALAREAGENVIO LATION | NUMBER(15,5) | | Total Region Demand violations |
| TOTALINTERCONNECTORVIO LATION | NUMBER(15,5) | | Total interconnector violations |
| TOTALGENERICVIOLATION | NUMBER(15,5) | | Total generic constraint violations |
| TOTALRAMPRATEVIOLATION | NUMBER(15,5) | | Total ramp rate violations |
| TOTALUNITMWCAPACITYVIO LATION | NUMBER(15,5) | | Total unit capacity violations |
| TOTAL5MINVIOLATION | NUMBER(15,5) | | Total of 5 minute ancillary service region violations |
| TOTALREGVIOLATION | NUMBER(15,5) | | Total of Regulation ancillary service region violations |
| TOTAL6SECVIOLATION | NUMBER(15,5) | | Total of 6 second ancillary service region violations |
| TOTAL60SECVIOLATION | NUMBER(15,5) | | Total of 60 second ancillary service region violations |
| TOTALASPROFILEVIOLATION | NUMBER(15,5) | | Total of ancillary service trader profile violations |

| | | | |
|---------------------------|--------------|--|--|
| TOTALFASTSTARTVIOLATION | NUMBER(15,5) | | Total of fast start trader profile violations |
| TOTALENERGYOFFERVIOLATION | NUMBER(15,5) | | Total of unit summated offer band violations |
| LASTCHANGED | DATE | | Last date and time record changed |
| SWITCHRUNINITIALSTATUS | NUMBER(1,0) | | Flag indicating the SCADA status for FCAS Interconnector dead-band. "0" if SCADA Status or requesting Constraint not invoked. "1" if SCADA Status AND requesting Constraint is invoked |
| SWITCHRUNBESTSTATUS | NUMBER(1,0) | | Flag indicating which Switch run was used for the Solution – from PeriodSolution |
| SWITCHRUNBESTSTATUS_INT | NUMBER(1,0) | | Flag indicating which Switch run was used for the Intervention Physical Solution - from PeriodSolution |

12.15 Table: DISPATCHCONSTRAINT

12.15.1 DISPATCHCONSTRAINT

| | |
|---------|--|
| Name | DISPATCHCONSTRAINT |
| Comment | DISPATCHCONSTRAINT sets out details of all binding and interregion constraints in each dispatch run. Note: invoked constraints can be established from GENCONSETINVOKE. Binding constraints show as marginal value >\$0. Interconnector constraints are listed so RHS (SCADA calculated limits) can be reported. |

12.15.2 Description

DISPATCHCONSTRAINT is public data, and is available to all participants.

Source

DISPATCHCONSTRAINT updates every five minutes.

12.15.3 Primary Key Columns

Name

CONSTRAINTID

DISPATCHINTERVAL

INTERVENTION

RUNNO

SETTLEMENTDATE

12.15.4 Index Columns

Name

LASTCHANGED

12.15.5 Index Columns

Name

SETTLEMENTDATE

12.15.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:05 |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| CONSTRAINTID | VARCHAR2(20) | X | Generic Constraint identifier (synonymous with GenConID) |
| DISPATCHINTERVAL | NUMBER(22,0) | X | Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP. |
| INTERVENTION | NUMBER(2,0) | X | Manual Intervention flag, which, if set (1), causes predispach to solve twice. |
| RHS | NUMBER(15,5) | | Right hand Side value as used in dispatch. |
| MARGINALVALUE | NUMBER(15,5) | | \$ Value of binding constraint |
| VIOLATIONDEGREE | NUMBER(15,5) | | Degree of violation in MW |
| LASTCHANGED | DATE | | Last date and time record changed |
| DUID | VARCHAR2(20) | | DUID to which the Constraint is confidential. Null denotes non-confidential |
| GENCONID_EFFECTIVEDATE | DATE | | Effective date of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval |
| GENCONID_VERSIONNO | NUMBER(22,0) | | Version number of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval |
| LHS | number(15,5) | | Aggregation of the constraints LHS term solution values |

12.16 Table: DISPATCHINTERCONNECTORRES

12.16.1 DISPATCHINTERCONNECTORRES

| | |
|---------|--|
| Name | DISPATCHINTERCONNECTORRES |
| Comment | DISPATCHINTERCONNECTORRES sets out MW flow and losses on each interconnector for each dispatch period, including fields for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraints set the energy import and export limits. |

12.16.2 Description

DISPATCHINTERCONNECTORRES is public data, and is available to all participants.

Source

DISPATCHINTERCONNECTORRES updates every 5 minutes.

Note

MW losses can be negative depending on the flow.

The definition of direction of flow for an interconnector is that positive flow starts from the FROMREGION in the INTERCONNECTOR table.

12.16.3 Primary Key Columns

- Name
- DISPATCHINTERVAL
- INTERCONNECTORID
- INTERVENTION
- RUNNO
- SETTLEMENTDATE

12.16.4 Index Columns

- Name
- LASTCHANGED

12.16.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:05 |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector identifier |
| DISPATCHINTERVAL | NUMBER(22,0) | X | Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP. |
| INTERVENTION | NUMBER(2,0) | X | Intervention case or not |
| METEREDMWFLOW | NUMBER(15,5) | | Metered MW Flow from SCADA. |
| MWFLOW | NUMBER(15,5) | | Target MW Flow for next 5 mins. |
| MWLOSSES | NUMBER(15,5) | | Calculated MW Losses |
| MARGINALVALUE | NUMBER(15,5) | | Shadow price resulting from thermal or reserve sharing constraints on Interconnector import/export (0 unless binding) - NEMDE Solution InterconnectorSolution element "Price" attribute |
| VIOLATIONDEGREE | NUMBER(15,5) | | Degree of violation on interconnector constraints |
| LASTCHANGED | DATE | | Last changed. |
| EXPORTLIMIT | NUMBER(15,5) | | Calculated export limit applying to energy only. |
| IMPORTLIMIT | NUMBER(15,5) | | Calculated import limit applying to energy only. |
| MARGINALLOSS | NUMBER(15,5) | | Marginal loss factor. Use this to adjust prices between regions. |
| EXPORTGENCONID | VARCHAR2(20) | | Generic Constraint setting the export limit |
| IMPORTGENCONID | VARCHAR2(20) | | Generic Constraint setting the import limit |
| FCASEXPORTLIMIT | NUMBER(15,5) | | Calculated export limit applying to energy + FCAS. |
| FCASIMPORTLIMIT | NUMBER(15,5) | | Calculated import limit applying to energy + FCAS. |

| | | | |
|-------------------------------|--------------|--|---|
| LOCAL_PRICE_ADJUSTMENT_EXPORT | NUMBER(10,2) | | Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0) |
| LOCALLY_CONSTRAINED_EXPORT | NUMBER(1,0) | | Key for Local_Price_Adjustment_Export: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |
| LOCAL_PRICE_ADJUSTMENT_IMPORT | NUMBER(10,2) | | Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0) |
| LOCALLY_CONSTRAINED_IMPORT | NUMBER(1,0) | | Key for Local_Price_Adjustment_Import: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |

12.17 Table: DISPATCHLOAD

12.17.1 DISPATCHLOAD

| | |
|---------|--|
| Name | DISPATCHLOAD |
| Comment | DISPATCHLOAD set out the current SCADA MW and target MW for each dispatchable unit, including relevant Frequency Control Ancillary Services (FCAS) enabling targets for each five minutes and additional fields to handle the new Ancillary Services functionality. Fast Start Plant status is indicated by dispatch mode. |

12.17.2 Description

DISPATCHLOAD data is confidential for the current day, showing own details for participant and becomes public after close of business yesterday, and is available to all participants.

Source

DISPATCHLOAD shows data for every 5 minutes for all units, even zero targets.

Volume

Expect 40-50,000 records per day. All units are repeated, even zero targets.

Note

** A flag exists for each ancillary service type such that a unit trapped or stranded in one or more service type can be immediately identified. The flag is defined using the low 3 bits as follows:

| Flag Name | Bit | Description |
|-----------|-----|---|
| Enabled | 0 | The unit is enabled to provide this ancillary service type. |
| Trapped | 1 | The unit is enabled to provide this ancillary service type, however the profile for this service type is causing the unit to be trapped in the energy market. |
| Stranded | 2 | The unit is bid available to provide this ancillary service type, however, the unit is operating in the energy market outside of the profile for this service type and is stranded from providing this service. |

Interpretation of the bit-flags as a number gives the following possibilities (i.e. other combinations are not possible):

| Numeric Value | Bit (2,1,0) | Meaning |
|---------------|-------------|---|
| 0 | 000 | Not stranded, not trapped, not enabled. |
| 1 | 001 | Not stranded, not trapped, is enabled. |
| 3 | 011 | Not stranded, is trapped, is enabled. |
| 4 | 100 | Is stranded, not trapped, not enabled. |

For example, testing for availability can be done by checking for odd (=available) or even (=unavailable) number (e.g. $\text{mod}(\text{flag}, 2)$ results in 0 for unavailable and 1 for available).

*** "Actual FCAS availability" is determined in a post-processing step based on the energy target (TotalCleared) and bid FCAS trapezium for that interval. However, if the unit is outside the bid FCAS trapezium at the start of the interval (InitialMW), the "Actual FCAS availability" is set to zero. For regulation services, the trapezium is the most restrictive of the bid/SCADA trapezium values.

12.17.3 Primary Key Columns

Name

DUID

INTERVENTION

RUNNO

SETTLEMENTDATE

12.17.4 Index Columns

Name

LASTCHANGED

12.17.5 Index Columns

Name

DUID

LASTCHANGED

12.17.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Market date and time starting at 04:05 |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| TRADETYPE | NUMBER(2,0) | | Not used |
| DISPATCHINTERVAL | NUMBER(22,0) | | Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP. |
| INTERVENTION | NUMBER(2,0) | X | Intervention flag if intervention run |
| CONNECTIONPOINTID | VARCHAR2(12) | | Connection point identifier for DUID |
| DISPATCHMODE | NUMBER(2,0) | | Dispatch mode for fast start plant (0 to 4). |

| | | | |
|----------------------|--------------|--|--|
| AGCSTATUS | NUMBER(2,0) | | AGC Status from EMS * 1 = on * 0 = off |
| INITIALMW | NUMBER(15,5) | | Initial MW at start of period |
| TOTALCleared | NUMBER(15,5) | | Target MW for end of period |
| RAMPDOWNRATE | NUMBER(15,5) | | Ramp down rate used in dispatch (lesser of bid or telemetered rate). |
| RAMPUPRATE | NUMBER(15,5) | | Ramp up rate (lesser of bid or telemetered rate). |
| LOWER5MIN | NUMBER(15,5) | | Lower 5 min reserve target |
| LOWER60SEC | NUMBER(15,5) | | Lower 60 sec reserve target |
| LOWER6SEC | NUMBER(15,5) | | Lower 6 sec reserve target |
| RAISE5MIN | NUMBER(15,5) | | Raise 5 min reserve target |
| RAISE60SEC | NUMBER(15,5) | | Raise 60 sec reserve target |
| RAISE6SEC | NUMBER(15,5) | | Raise 6 sec reserve target |
| DOWNEPF | NUMBER(15,5) | | Not Used |
| UPEPF | NUMBER(15,5) | | Not Used |
| MARGINAL5MINVALUE | NUMBER(15,5) | | Marginal \$ value for 5 min |
| MARGINAL60SECVALUE | NUMBER(15,5) | | Marginal \$ value for 60 seconds |
| MARGINAL6SECVALUE | NUMBER(15,5) | | Marginal \$ value for 6 seconds |
| MARGINALVALUE | NUMBER(15,5) | | Marginal \$ value for energy |
| VIOLATION5MINDEGREE | NUMBER(15,5) | | Violation MW 5 min |
| VIOLATION60SECDEGREE | NUMBER(15,5) | | Violation MW 60 seconds |
| VIOLATION6SECDEGREE | NUMBER(15,5) | | Violation MW 6 seconds |
| VIOLATIONDEGREE | NUMBER(15,5) | | Violation MW energy |
| LASTCHANGED | DATE | | Last date and time record changed |
| LOWERREG | NUMBER(15,5) | | Lower Regulation reserve target |
| RAISEREG | NUMBER(15,5) | | Raise Regulation reserve target |

| | | | |
|------------------------------|--------------|--|--|
| AVAILABILITY | NUMBER(15,5) | | For Scheduled units, this is the MAXAVAIL bid availability For Semi-scheduled units, this is the lower of MAXAVAIL bid availability and UIGF |
| RAISE6SECFLAGS | NUMBER(3,0) | | Raise 6sec status flag - see |
| RAISE60SECFLAGS | NUMBER(3,0) | | Raise 60sec status flag - see |
| RAISE5MINFLAGS | NUMBER(3,0) | | |
| RAISEREGFLAGS | NUMBER(3,0) | | Raise Reg status flag - see |
| LOWER6SECFLAGS | NUMBER(3,0) | | Lower 6sec status flag - see |
| LOWER60SECFLAGS | NUMBER(3,0) | | Lower 60sec status flag |
| LOWER5MINFLAGS | NUMBER(3,0) | | Lower 5min status flag |
| LOWERREGFLAGS | NUMBER(3,0) | | Lower Reg status flag - see |
| RAISEREGAVAILABILITY | NUMBER(15,5) | | RaiseReg availability - minimum of bid and telemetered value |
| RAISEREGENABLEMENTMAX | NUMBER(15,5) | | RaiseReg enablement max point - minimum of bid and telemetered value |
| RAISEREGENABLEMENTMIN | NUMBER(15,5) | | RaiseReg Enablement Min point - maximum of bid and telemetered value |
| LOWERREGAVAILABILITY | NUMBER(15,5) | | Lower Reg availability - minimum of bid and telemetered value |
| LOWERREGENABLEMENTMAX | NUMBER(15,5) | | Lower Reg enablement Max point - minimum of bid and telemetered value |
| LOWERREGENABLEMENTMIN | NUMBER(15,5) | | Lower Reg Enablement Min point - maximum of bid and telemetered value |
| RAISE6SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 6sec availability |
| RAISE60SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 60sec availability |
| RAISE5MINACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 5min availability |
| RAISEREGACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise reg availability |
| LOWER6SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 6sec availability |

| | | | |
|------------------------------|--------------|--|--|
| LOWER60SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 60sec availability |
| LOWER5MINACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 5min availability |
| LOWERREGACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower reg availability |
| SEMIDISPATCHCAP | NUMBER(3,0) | | Boolean representation flagging if the Target is Capped |
| DISPATCHMODETIME | NUMBER(4,0) | | Minutes for which the unit has been in the current DISPATCHMODE. From NEMDE TRADERSOLUTION element FSTARGETMODETIME attribute. |
| CONFORMANCE_MODE | NUMBER(6,0) | | Mode specific to units within an aggregate. 0 - no monitoring, 1 - aggregate monitoring, 2 - individual monitoring due to constraint |
| UIGF | NUMBER(15,5) | | For Semi-Scheduled units. Unconstrained Intermittent Generation Forecast value provided to NEMDE |
| RAISE1SEC | NUMBER(15,5) | | Dispatched Raise1Sec - TraderSolution element R1Target attribute |
| RAISE1SECFLAGS | NUMBER(3,0) | | TraderSolution element R1Flags attribute |
| LOWER1SEC | NUMBER(15,5) | | Dispatched Lower1Sec - TraderSolution element L1Target attribute |
| LOWER1SECFLAGS | NUMBER(3,0) | | TraderSolution element L1Flags attribute |
| RAISE1SECACTUALAVAILABILITY | NUMBER(16,6) | | Trapezium adjusted Raise 1Sec Availability |
| LOWER1SECACTUALAVAILABILITY | NUMBER(16,6) | | Trapezium adjusted Lower 1Sec Availability |

12.18 Table: DISPATCHOFFERTRK

12.18.1 DISPATCHOFFERTRK

| | |
|---------|--|
| Name | DISPATCHOFFERTRK |
| Comment | DISPATCHOFFERTRK is the energy and ancillary service bid tracking table for the Dispatch process. The table identifies which bids from BIDDAYOFFER and BIDOFFERPERIOD were applied for a given unit and bid type for each dispatch interval. |

12.18.2 Description

DISPATCHOFFERTRK data is confidential to each participant until the next trading day, when the data is public to all participants.

Source

DISPATCHOFFERTRK updates every 5 minutes.

Volume

Approximately 250,000 records per day.

12.18.3 Primary Key Columns

Name
BIDTYPE
DUID
SETTLEMENTDATE

12.18.4 Index Columns

Name
LASTCHANGED

12.18.5 Index Columns

Name
DUID

LASTCHANGED

12.18.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Date and time of the dispatch interval (e.g. five minute dispatch interval ending 28/09/2000 16:35) |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| BIDTYPE | VARCHAR2(10) | X | Bid type Identifier - the ancillary service to which the bid applies |
| BIDSETTLEMENTDATE | DATE | | Settlement date of bid applied |
| BIDOFFERDATE | TIMESTAMP(3) | | Time this bid was processed and loaded |
| LASTCHANGED | DATE | | Last date and time record changed |

12.19 Table: DISPATCHPRICE

12.19.1 DISPATCHPRICE

| | |
|---------|---|
| Name | DISPATCHPRICE |
| Comment | DISPATCHPRICE records 5 minute dispatch prices for energy and FCAS, including whether an intervention has occurred, or price override (e.g. for Administered Price Cap). DISPATCHPRICE updates when price adjustments occur, in which case the new price is written to the RRP field, and the old price to the ROP field as an audit trail. |

12.19.2 Description

Source

DISPATCHPRICE updates every 5 minutes.

Note

APCFLAG is a 5-bit Region-based field indicating that the original Dispatch Price (ROP) calculated by the Dispatch Algorithm for a region has undergone modification by one of more of the following processes:

| Bit | Value | Description |
|-----|-------|---|
| 5 | 16 | Price Scaling via Inter-regional Loss Factor (IRLF) |
| 4 | 8 | Price manually overwritten |
| 3 | 4 | MPC or MPF binding (ROP was outside of MPC/MPF) |
| 2 | 2 | VoLL Override applied |
| 1 | 1 | APC or APF binding (ROP was outside of APC/APF) |

Where:

- MPC = Market Price Cap
- MPF = Market Price Floor
- APC = Administered Price Cap
- APF = Administered Price Floor

xxxAPCFLAGs are each a 5-bit Region-based field indicating FCAS price post-processing (where "ROP" is the original NEMDE Solver price):

| Bit | Cum Value | Description |
|-----|-----------|--|
| 5 | 16 | Not applicable |
| 4 | 8 | Price manually overwritten |
| 3 | 4 | MPC (\$VoLL) or MPF (\$zero) binding (xxFCAS ROP was outside of MPC/MPF) |
| 2 | 2 | Not applicable |
| 1 | 1 | APC or APF binding (ROP was outside of APC/APF) |

12.19.3 Primary Key Columns

Name

DISPATCHINTERVAL

INTERVENTION

REGIONID

RUNNO

SETTLEMENTDATE

12.19.4 Index Columns

Name

LASTCHANGED

12.19.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Market date and time starting at 04:05 |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| DISPATCHINTERVAL | VARCHAR2(22) | X | Dispatch interval identifier 001 to 288 in format YYYYMMDDPPP |
| INTERVENTION | NUMBER(2,0) | X | Manual intervention flag |
| RRP | NUMBER(15,5) | | Regional Reference Price for this dispatch period. RRP is the price used to settle the market |
| EEP | NUMBER(15,5) | | Excess energy price - no longer used |
| ROP | NUMBER(15,5) | | Regional Override Price, being the original price prior to any price scaling, price capping or VoLL override being applied. The APC flag allows the determination of whether capping, scaling or override occurred |
| APCFLAG | NUMBER(3,0) | | APC Active flag (see note) |
| MARKETSUSPENDEDFLAG | NUMBER(3,0) | | Market suspended flag |

| | | | |
|-------------------|--------------|--|---|
| LASTCHANGED | DATE | | Last date and time record changed |
| RAISE6SECRRP | NUMBER(15,5) | | |
| RAISE6SECROP | NUMBER(15,5) | | |
| RAISE6SECAPCFLAG | NUMBER(3,0) | | |
| RAISE60SECRRP | NUMBER(15,5) | | |
| RAISE60SECROP | NUMBER(15,5) | | |
| RAISE60SECAPCFLAG | NUMBER(3,0) | | |
| RAISE5MINRRP | NUMBER(15,5) | | |
| RAISE5MINROP | NUMBER(15,5) | | |
| RAISE5MINAPCFLAG | NUMBER(3,0) | | |
| RAISEREGRRP | NUMBER(15,5) | | |
| RAISEREGROP | NUMBER(15,5) | | |
| RAISEREGAPCFLAG | NUMBER(3,0) | | |
| LOWER6SECRRP | NUMBER(15,5) | | |
| LOWER6SECROP | NUMBER(15,5) | | |
| LOWER6SECAPCFLAG | NUMBER(3,0) | | |
| LOWER60SECRRP | NUMBER(15,5) | | |
| LOWER60SECROP | NUMBER(15,5) | | |
| LOWER60SECAPCFLAG | NUMBER(3,0) | | |
| LOWER5MINRRP | NUMBER(15,5) | | |
| LOWER5MINROP | NUMBER(15,5) | | |
| LOWER5MINAPCFLAG | NUMBER(3,0) | | |
| LOWERREGRRP | NUMBER(15,5) | | |
| LOWERREGROP | NUMBER(15,5) | | |
| LOWERREGAPCFLAG | NUMBER(3,0) | | |
| PRICE_STATUS | VARCHAR2(20) | | Status of regional prices for this dispatch interval "NOT FIRM" or "FIRM" |

| | | | |
|------------------------------|--------------|--|--|
| PRE_AP_ENERGY_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| PRE_AP_RAISE6_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| PRE_AP_RAISE60_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| PRE_AP_RAISE5MIN_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| PRE_AP_RAISEREG_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| PRE_AP_LOWER6_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| PRE_AP_LOWER60_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| PRE_AP_LOWER5MIN_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| PRE_AP_LOWERREG_PRICE | NUMBER(15,5) | | Price before ap capping or scaling - for rolling sum price monitoring |
| CUMUL_PRE_AP_ENERGY_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| CUMUL_PRE_AP_RAISE6_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| CUMUL_PRE_AP_RAISE60_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| CUMUL_PRE_AP_RAISE5MIN_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| CUMUL_PRE_AP_RAISEREG_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| CUMUL_PRE_AP_LOWER6_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| CUMUL_PRE_AP_LOWER60_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the |

| | | | |
|------------------------------|--------------|--|--|
| | | | threshold |
| CUMUL_PRE_AP_LOWER5MIN_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| CUMUL_PRE_AP_LOWERREG_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| OCD_STATUS | VARCHAR2(14) | | Communicates the current OCD status for this dispatch interval. Values of: 'NOT_OCD', 'OCD_UNRESOLVED', 'OCD_RESOLVED'. |
| MII_STATUS | VARCHAR2(21) | | Communicates the current MII status for this dispatch interval. Values of: 'NOT_MII', 'MII_SUBJECT_TO_REVIEW', 'MII_PRICE_REJECTED', 'MII_PRICE_ACCEPTED'. |
| RAISE1SECRP | NUMBER(15,5) | | Regional Raise 1Sec Price - R1Price attribute after capping/flooring |
| RAISE1SECROP | NUMBER(15,5) | | Raise1Sec Regional Original Price - uncapped/unfloored and unscaled |
| RAISE1SECAPCFLAG | NUMBER(3,0) | | BitFlag field for Price adjustments - "1" = Voll_Override; "4" = Floor_VoLL; "8" = Manual_Override; "16" = Price_Scaled |
| LOWER1SECRP | NUMBER(15,5) | | Regional Lower 1Sec Price - RegionSolution element L1Price attribute |
| LOWER1SECROP | NUMBER(15,5) | | Lower1Sec Regional Original Price - uncapped/unfloored and unscaled |
| LOWER1SECAPCFLAG | NUMBER(3,0) | | BitFlag field for Price adjustments - "1" = Voll_Override; "4" = Floor_VoLL; "8" = Manual_Override; "16" = Price_Scaled |
| PRE_AP_RAISE1_PRICE | NUMBER(15,5) | | Price before AP capping or scaling - for Rolling Sum Price monitoring |
| PRE_AP_LOWER1_PRICE | NUMBER(15,5) | | Price before AP capping or scaling - for Rolling Sum Price monitoring |
| CUMUL_PRE_AP_RAISE1_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |
| CUMUL_PRE_AP_LOWER1_PRICE | NUMBER(15,5) | | Cumulative price that triggers administered pricing event if above the threshold |

12.20 Table: DISPATCHREGIONSUM

12.20.1 DISPATCHREGIONSUM

| | |
|---------|---|
| Name | DISPATCHREGIONSUM |
| Comment | DISPATCHREGIONSUM sets out the 5-minute solution for each dispatch run for each region, including the Frequency Control Ancillary Services (FCAS) services provided. Additional fields are for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations. |

12.20.2 Description

DISPATCHREGIONSUM is public data, and is available to all participants.

Source

DISPATCHREGIONSUM updates every 5 minutes.

Note

For details of calculations about load calculations, refer to Chapter 3 of the "Statement of Opportunities"

*** "Actual FCAS availability" is determined in a post-processing step based on the energy target (TotalCleared) and bid FCAS trapezium for that interval. However, if the unit is outside the bid FCAS trapezium at the start of the interval (InitialMW), the "Actual FCAS availability" is set to zero. For regulation services, the trapezium is the most restrictive of the bid/SCADA trapezium values.

From 16 February 2006, the old reserve values are no longer populated (i.e. are null), being LORSurplus and LRCSurplus. For more details on the changes to Reporting of Reserve Condition Data, refer to AEMO Communication 2042. For the best available indicator of reserve condition in each of the regions of the NEM for each trading interval, refer to the latest run of the Pre-Dispatch PASA (see table PDPASA_REGIONSOLUTION).

12.20.3 Primary Key Columns

Name
DISPATCHINTERVAL
INTERVENTION
REGIONID
RUNNO
SETTLEMENTDATE

12.20.4 Index Columns

Name

LASTCHANGED

12.20.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Market date and time starting at 04:05 |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| DISPATCHINTERVAL | NUMBER(22,0) | X | Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP. |
| INTERVENTION | NUMBER(2,0) | X | Manual Intervention flag |
| TOTALDEMAND | NUMBER(15,5) | | Demand (less loads) |
| AVAILABLEGENERATION | NUMBER(15,5) | | Aggregate generation bid available in region |
| AVAILABLELOAD | NUMBER(15,5) | | Aggregate load bid available in region |
| DEMANDFORECAST | NUMBER(15,5) | | 5 minute forecast adjust |
| DISPATCHABLEGENERATION | NUMBER(15,5) | | Dispatched Generation |
| DISPATCHABLELOAD | NUMBER(15,5) | | Dispatched Load (add to total demand to get inherent region demand). |
| NETINTERCHANGE | NUMBER(15,5) | | Net interconnector flow from the regional reference node |
| EXCESSGENERATION | NUMBER(15,5) | | MW quantity of excess |
| LOWER5MINDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min MW dispatch |
| LOWER5MINIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min MW imported |
| LOWER5MINLOCALDISPATCH | NUMBER(15,5) | | Lower 5 min local dispatch |
| LOWER5MINLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 5 min |
| LOWER5MINLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min local requirement |

| | | | |
|-------------------------|--------------|--|---|
| LOWER5MINPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 5 min |
| LOWER5MINREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min total requirement |
| LOWER5MINSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 5 min |
| LOWER60SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec MW dispatch |
| LOWER60SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec MW imported |
| LOWER60SECLOCALDISPATCH | NUMBER(15,5) | | Lower 60 sec local dispatch |
| LOWER60SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 60 sec |
| LOWER60SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec local requirement |
| LOWER60SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 60 sec |
| LOWER60SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec total requirement |
| LOWER60SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 60 sec |
| LOWER6SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec MW dispatch |
| LOWER6SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec MW imported |
| LOWER6SECLOCALDISPATCH | NUMBER(15,5) | | Lower 6 sec local dispatch |
| LOWER6SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 6 sec |
| LOWER6SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec local requirement |
| LOWER6SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 6 sec |
| LOWER6SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec total requirement |

| | | | |
|-------------------------|--------------|--|---|
| LOWER6SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 6 sec |
| RAISE5MINDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min MW dispatch |
| RAISE5MINIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min MW imported |
| RAISE5MINLOCALDISPATCH | NUMBER(15,5) | | Raise 5 min local dispatch |
| RAISE5MINLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Raise price of lower 5 min |
| RAISE5MINLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min local requirement |
| RAISE5MINPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 5 min |
| RAISE5MINREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min total requirement |
| RAISE5MINSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 5 min |
| RAISE60SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec MW dispatch |
| RAISE60SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec MW imported |
| RAISE60SECLOCALDISPATCH | NUMBER(15,5) | | Raise 60 sec local dispatch |
| RAISE60SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of raise 60 sec |
| RAISE60SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec local requirement |
| RAISE60SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 60 sec |
| RAISE60SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec total requirement |
| RAISE60SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 60 sec |
| RAISE6SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec MW dispatch |

| | | | |
|---------------------------|--------------|--|---|
| RAISE6SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec MW imported |
| RAISE6SECLOCALDISPATCH | NUMBER(15,5) | | Raise 6 sec local dispatch |
| RAISE6SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of raise 6 sec |
| RAISE6SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec local requirement |
| RAISE6SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 6 sec |
| RAISE6SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec total requirement |
| RAISE6SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 6 sec |
| AGGEGATEDISPATCHERROR | NUMBER(15,5) | | Calculated dispatch error |
| AGGREGATEDISPATCHERR R | NUMBER(15,5) | | Calculated dispatch error |
| LASTCHANGED | DATE | | Last date and time record changed |
| INITIALSUPPLY | NUMBER(15,5) | | Sum of initial generation and import for region |
| CLEAREDSUPPLY | NUMBER(15,5) | | Sum of cleared generation and import for region |
| LOWERREGIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation MW imported |
| LOWERREGLOCALDISPATCH | NUMBER(15,5) | | Lower Regulation local dispatch |
| LOWERREGLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation local requirement |
| LOWERREGREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation total requirement |
| RAISEREGIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation MW imported |
| RAISEREGLOCALDISPATCH | NUMBER(15,5) | | Raise Regulation local dispatch |
| RAISEREGLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation local requirement |
| RAISEREGREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise |

| | | | |
|------------------------------|--------------|--|---|
| | | | Regulation total requirement |
| RAISE5MINLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement |
| RAISEREGLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise Reg local requirement |
| RAISE60SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement |
| RAISE6SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement |
| LOWER5MINLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement |
| LOWERREGLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower Reg local requirement |
| LOWER60SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement |
| LOWER6SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement |
| RAISE5MINVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 5 min requirement |
| RAISEREGVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise Reg requirement |
| RAISE60SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement |
| RAISE6SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement |
| LOWER5MINVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 5 min requirement |
| LOWERREGVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower Reg requirement |
| LOWER60SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement |
| LOWER6SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement |
| RAISE6SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 6sec availability |
| RAISE60SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 60sec |

| | | | |
|------------------------------|---------------|--|---|
| ILITY | | | availability |
| RAISE5MINACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 5min availability |
| RAISEREGACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise reg availability |
| LOWER6SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 6sec availability |
| LOWER60SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 60sec availability |
| LOWER5MINACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 5min availability |
| LOWERREGACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower reg availability |
| LORSURPLUS | NUMBER(16,6) | | Not in use after 17 Feb 2006. Total short term generation capacity reserve used in assessing lack of reserve condition |
| LRCSURPLUS | NUMBER(16,6) | | Not in use after 17 Feb 2006. Total short term generation capacity reserve above the stated low reserve condition requirement |
| TOTALINTERMITTENTGENERATION | NUMBER(15,5) | | Allowance made for non-scheduled generation in the demand forecast (MW). |
| DEMAND_AND_NONSCHEDGEN | NUMBER(15,5) | | Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW). |
| UIGF | NUMBER(15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW). |
| SEMISCHEDULE_CLEARED MW | NUMBER(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW |
| SEMISCHEDULE_COMPLIANCE MW | NUMBER(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced |
| SS_SOLAR_UIGF | Number(15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is solar |
| SS_WIND_UIGF | Number (15,5) | | Regional aggregated Unconstrained |

| | | | |
|-----------------------------|--------------|--|---|
| | | | Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is wind |
| SS_SOLAR_CLEAREDMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is solar |
| SS_WIND_CLEAREDMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is wind |
| SS_SOLAR_COMPLIANCEMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is solar |
| SS_WIND_COMPLIANCEMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is wind |
| WDR_INITIALMW | NUMBER(15,5) | | Regional aggregated MW value at start of interval for Wholesale Demand Response (WDR) units |
| WDR_AVAILABLE | NUMBER(15,5) | | Regional aggregated available MW for Wholesale Demand Response (WDR) units |
| WDR_DISPATCHED | NUMBER(15,5) | | Regional aggregated dispatched MW for Wholesale Demand Response (WDR) units |
| SS_SOLAR_AVAILABILITY | NUMBER(15,5) | | For Semi-Scheduled units. Aggregate Energy Availability from Solar units in that region |
| SS_WIND_AVAILABILITY | NUMBER(15,5) | | For Semi-Scheduled units. Aggregate Energy Availability from Wind units in that region |
| RAISE1SECLocalDISPATCH | NUMBER(15,5) | | Total Raise1Sec Dispatched in Region - RegionSolution element R1Dispatch attribute |
| LOWER1SECLocalDISPATCH | NUMBER(15,5) | | Total Lower1Sec Dispatched in Region - RegionSolution element L1Dispatch attribute |
| RAISE1SECACTUALAVAILABILITY | NUMBER(16,6) | | Trapezium adjusted Raise1Sec availability (summated from UnitSolution) |
| LOWER1SECACTUALAVAILABILITY | NUMBER(16,6) | | Trapezium adjusted Lower1Sec |

| | | | |
|-------|--|--|--|
| ILITY | | | availability (summatd from UnitSolution) |
|-------|--|--|--|

12.21 Table: INTERMITTENT_FORECAST_TRK

12.21.1 INTERMITTENT_FORECAST_TRK

| | |
|---------|--|
| Name | INTERMITTENT_FORECAST_TRK |
| Comment | Uniquely tracks which Intermittent Generation forecast was used for the DUID in which Dispatch run |

12.21.2 Primary Key Columns

| |
|----------------|
| Name |
| DUID |
| SETTLEMENTDATE |

12.21.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Date/Time of the Dispatch run (dispatch interval ending) |
| DUID | VARCHAR2(20) | X | Tracks to INTERMITTENT_DS_RUN.DUID |
| ORIGIN | VARCHAR2(20) | | Tracks to INTERMITTENT_DS_RUN.ORIGIN, except when the forecast used is either SCADA or FCST or Last Target |
| FORECAST_PRIORITY | NUMBER(10,0) | | Tracks to INTERMITTENT_DS_RUN.FORECAST_PRIORITY, except for -1 which denotes SCADA or FCST, and 0 which denotes Last Target |
| OFFERDATETIME | DATE | | Tracks to INTERMITTENT_DS_RUN.OFFERDATE TIME |

12.22 Table: NEGATIVE_RESIDUE

12.22.1 NEGATIVE_RESIDUE

| | |
|---------|---|
| Name | NEGATIVE_RESIDUE |
| Comment | Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon |

12.22.2 Primary Key Columns

| |
|------------------------------|
| Name |
| DIRECTIONAL_INTERCONNECTORID |
| NRM_DATETIME |
| SETTLEMENTDATE |

12.22.3 Index Columns

| |
|------------------------------|
| Name |
| SETTLEMENTDATE |
| NRM_DATETIME |
| DIRECTIONAL_INTERCONNECTORID |

12.22.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------------------|--------------|-----------|--|
| SETTLEMENTDATE | date | X | Dispatch Interval |
| NRM_DATETIME | date | X | The time that residue information is processed |
| DIRECTIONAL_INTERCONNECTORID | varchar2(30) | X | Negative residue related direction interconnector id |
| NRM_ACTIVATED_FLAG | number(1,0) | | Is 1 if negative residue process is on, else is 0 |
| CUMUL_NEGRESIDUE_AMOU | number(15,5) | | Negative residue triggering amount |

| | | | |
|----------------------------|--------------|--|--|
| NT | | | |
| CUMUL_NEGRESIDUE_PREV_TI | number(15,5) | | Previous trading interval cumulative negative residue amount |
| NEGRESIDUE_CURRENT_TI | number(15,5) | | Current trading interval negative residue amount |
| NEGRESIDUE_PD_NEXT_TI | number(15,5) | | The cumulative negative residue for the next trading interval (PD) |
| PRICE_REVISION | varchar2(30) | | SubjectToReview, Indeterminate, Accepted or Rejected |
| PREDISPATCHSEQNO | varchar2(20) | | Predispatch sequence number |
| EVENT_ACTIVATED_DI | date | | The starting DI when NRM event is active |
| EVENT_DEACTIVATED_DI | date | | The finishing DI when NRM event stops being active. |
| DI_NOTBINDING_COUNT | number(2,0) | | Count of the number of DIs not binding by this constraint |
| DI_VIOLATED_COUNT | number(2,0) | | Count of the number of DIs violated by this constraint |
| NRMCONSTRAINT_BLOCKED_FLAG | number(1,0) | | 1 if constraint is blocked, else 0 |

13 Package: FORCE_MAJEURE

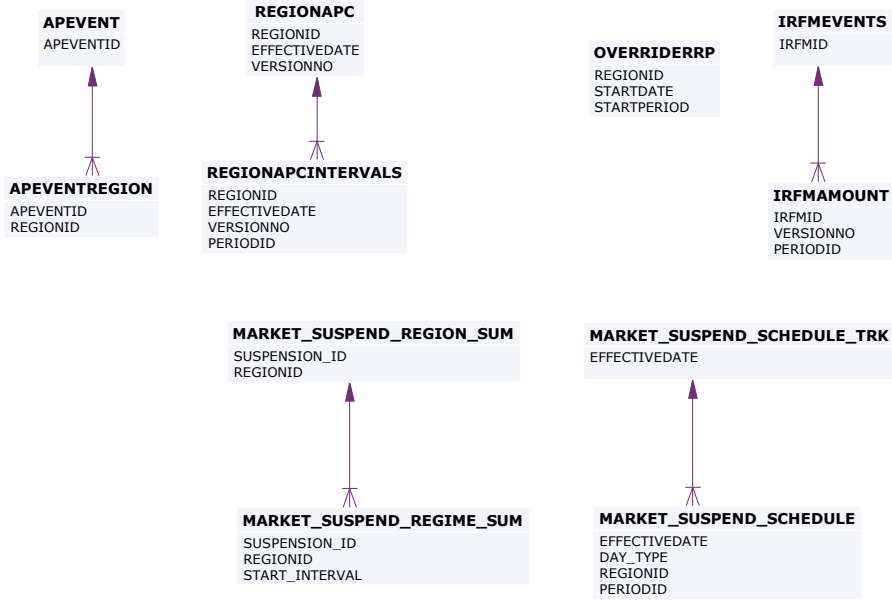
Name FORCE_MAJEURE

Comment Market Suspensions and administer pricing event data

13.1 List of tables

| Name | Comment |
|---------------------------------|---|
| APEVENT | APEVENT is the driving data defining the existence and timeframes of an administered pricing event. |
| APEVENTREGION | APEVENTREGION is the Region detail for an administered pricing event defined through APEVENT. |
| IRFMAMOUNT | IRFMAMOUNT sets out settlement amounts associated with Industrial Relations Forced Majeure events. |
| IRFMEVENTS | IRFMEVENTS sets out specific Industrial Relations Forced Majeure events. |
| MARKET_SUSPEND_REGIME_SUM | Tracks the evolution of pricing regimes applied to the suspended region and from which Dispatch Interval |
| MARKET_SUSPEND_REGION_SUM | Summary of Market Suspension timings |
| MARKET_SUSPEND_SCHEDULE | Trading prices that will apply in the event of a market suspension event updated weekly. |
| MARKET_SUSPEND_SCHEDULE_T RK | Parent table for pricing regimes used in suspensions |
| OVERRIDERRP | OVERRIDERRP shows details of override price periods. |
| REGIONAPC | REGIONAPC defines Administered Price profiles (Energy and FCAS) for a region. |
| REGIONAPCINTERVALS | REGIONAPCINTERVALS contains Administered Price profiles (Energy and FCAS) applicable to each interval for a region. |

13.2 Diagram: Entities: Force Majeure



13.3 Table: APEVENT

13.3.1 APEVENT

| | |
|---------|---|
| Name | APEVENT |
| Comment | APEVENT is the driving data defining the existence and timeframes of an administered pricing event. |

13.3.2 Primary Key Columns

| |
|-----------|
| Name |
| APEVENTID |

13.3.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

13.3.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|----------------|-----------|--|
| APEVENTID | NUMBER(22,0) | X | Unique identifier for this administered pricing event |
| EFFECTIVEFROMINTERVAL | DATE | | Date Time of the first Dispatch Interval to which the administered event applies |
| EFFECTIVETOINTERVAL | DATE | | Date Time of the final Dispatch Interval to which the administered event applies |
| REASON | VARCHAR2(2000) | | Description of the driver for the Event |
| STARTAUTHORISED BY | VARCHAR2(15) | | Authorising staff for start of AP event |
| STARTAUTHORISED DATE | DATE | | Date-Time start authorised |
| ENDAUTHORISED BY | VARCHAR2(15) | | Authorising staff for end of AP event |
| ENDAUTHORISED DATE | DATE | | Date Time end authorised |

| | | | |
|-------------|------|--|--|
| LASTCHANGED | DATE | | Date-Time the record was last modified |
|-------------|------|--|--|

13.4 Table: APEVENTREGION

13.4.1 APEVENTREGION

Name APEVENTREGION

Comment APEVENTREGION is the Region detail for an administered pricing event defined through APEVENT.

13.4.2 Primary Key Columns

Name

APEVENTID

REGIONID

13.4.3 Index Columns

Name

LASTCHANGED

13.4.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| APEVENTID | NUMBER(22,0) | X | Unique identifier for this administered pricing event |
| REGIONID | VARCHAR2(10) | X | Date-Time of the first Dispatch Interval to which the administered event applies |
| LASTCHANGED | DATE | | Date Time of the final Dispatch Interval to which the administered event applies |
| ENERGYAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers an energy AP |
| RAISE6SECAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers a raise6sec AP |
| RAISE60SECAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers a raise60sec AP |

| | | | |
|------------------|-------------|--|---|
| RAISE5MINAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers a raise5min AP |
| RAISEREGAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers a raisereg AP |
| LOWER6SECAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers a lower6sec AP |
| LOWER60SECAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers a lower60sec AP flag indicating if the apevent covers a lower5min AP flag indicating if the apevent covers a lowerreg AP flag indicating if the apevent covers a lower60sec AP |
| LOWER5MINAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers a lower5min AP |
| LOWERREGAPFLAG | NUMBER(1,0) | | flag indicating if the apevent covers a lowerreg AP |
| RAISE1SECAPFLAG | NUMBER(3,0) | | Flag indicating if the APEvent covers a Raise1Sec AP |
| LOWER1SECAPFLAG | NUMBER(3,0) | | Flag indicating if the APEvent covers a Lower1Sec AP |

13.5 Table: IRFMAMOUNT

13.5.1 IRFMAMOUNT

| | |
|---------|--|
| Name | IRFMAMOUNT |
| Comment | IRFMAMOUNT sets out settlement amounts associated with Industrial Relations Forced Majeure events. |

13.5.2 Description

IRFMAMOUNT is public data.

Source

IRFMAMOUNT is obsolete; was updated with each settlement run as required.

13.5.3 Primary Key Columns

Name
IRFMID
PERIODID
VERSIONNO

13.5.4 Index Columns

Name
LASTCHANGED

13.5.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| IRFMID | VARCHAR2(10) | X | Unique Industrial Relations Force Majeure event |
| EFFECTIVEDATE | DATE | | Date of event |
| VERSIONNO | NUMBER(3,0) | X | Version number of record of event |

| | | | |
|----------------|--------------|---|-------------------------------|
| PERIODID | NUMBER(4,0) | X | Settlement period |
| AMOUNT | NUMBER(15,5) | | Total settlement amount in \$ |
| AUTHORISEDBY | VARCHAR2(15) | | Person authorising amount |
| AUTHORISEDDATE | DATE | | Authorised date |
| LASTCHANGED | DATE | | last changed |

13.6 Table: IRFMEVENTS

13.6.1 IRFMEVENTS

Name IRFMEVENTS

Comment IRFMEVENTS sets out specific Industrial Relations Forced Majeure events.

13.6.2 Description

IRFMEVENTS is public data.

Source

IRFMEVENTS updates with the occurrence of any such events.

13.6.3 Primary Key Columns

Name

IRFMID

13.6.4 Index Columns

Name

LASTCHANGED

13.6.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|---------|
| IRFMID | VARCHAR2(10) | X | |
| STARTDATE | DATE | | |
| STARTPERIOD | NUMBER(3,0) | | |
| ENDDATE | DATE | | |
| ENDPERIOD | NUMBER(3,0) | | |
| LASTCHANGED | DATE | | |

13.7 Table: MARKET_SUSPEND_REGIME_SUM

13.7.1 MARKET_SUSPEND_REGIME_SUM

| | |
|---------|--|
| Name | MARKET_SUSPEND_REGIME_SUM |
| Comment | Tracks the evolution of pricing regimes applied to the suspended region and from which Dispatch Interval |

13.7.2 Description

MARKET_SUSPEND_REGIME_SUM is public data, so is available to all participants.

13.7.3 Primary Key Columns

| |
|----------------|
| Name |
| REGIONID |
| START_INTERVAL |
| SUSPENSION_ID |

13.7.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SUSPENSION_ID | VARCHAR2(20) | X | Unique identifier for this suspension event |
| REGIONID | VARCHAR2(20) | X | Region(s) covered by this evolution of the event |
| START_INTERVAL | DATE | X | First Dispatch interval from which this regime applies |
| END_INTERVAL | DATE | | Last Dispatch interval for which this regime applies |
| PRICING_REGIME | VARCHAR2(20) | | Pricing Regime applied |
| LASTCHANGED | DATE | | Last date and time record changed |

13.8 Table: MARKET_SUSPEND_REGION_SUM

13.8.1 MARKET_SUSPEND_REGION_SUM

| | |
|---------|--------------------------------------|
| Name | MARKET_SUSPEND_REGION_SUM |
| Comment | Summary of Market Suspension timings |

13.8.2 Description

MARKET_SUSPEND is public data, so is available to all participants.

13.8.3 Primary Key Columns

| |
|---------------|
| Name |
| REGIONID |
| SUSPENSION_ID |

13.8.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|---|
| SUSPENSION_ID | VARCHAR2(20) | X | Unique identifier for this suspension event |
| REGIONID | VARCHAR2(20) | X | Region(s) covered by the Suspension event |
| INITIAL_INTERVAL | DATE | | Initial interval of the Suspension event |
| END_REGION_INTERVAL | DATE | | Last Dispatch interval for the Suspension event for this Region |
| END_SUSPENSION_INTERVAL | DATE | | Last Dispatch interval for the Suspension event |
| LASTCHANGED | DATE | | Last DateTime the Suspension was administered |

13.9 Table: MARKET_SUSPEND_SCHEDULE

13.9.1 MARKET_SUSPEND_SCHEDULE

| | |
|---------|--|
| Name | MARKET_SUSPEND_SCHEDULE |
| Comment | Trading prices that will apply in the event of a market suspension event updated weekly. |

13.9.2 Description

MARKET_SUSPEND_SCHEDULE is public data, so is available to all participants.

13.9.3 Primary Key Columns

| |
|---------------|
| Name |
| DAY_TYPE |
| EFFECTIVEDATE |
| PERIODID |
| REGIONID |

13.9.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Calendar date from when this record set is effective |
| DAY_TYPE | VARCHAR2(20) | X | Distinguishes which record set to apply - at time of writing this was Business or Non-business day but may change in the future depending on outcome of consultation |
| REGIONID | VARCHAR2(20) | X | Region affected. |
| PERIODID | NUMBER(3,0) | X | 48 intervals for a day, midnight base (equates to 00:30 - 00:00) |
| ENERGY_RRP | NUMBER(15,5) | | Energy Price applied for this period for this Day Type |

| | | | |
|-------------|--------------|--|--|
| R6_RRP | NUMBER(15,5) | | Raise 6Sec contingency Price applied for this period for this Day Type |
| R60_RRP | NUMBER(15,5) | | Raise 60Sec contingency Price applied for this period for this Day Type |
| R5_RRP | NUMBER(15,5) | | Raise 5Min contingency Price applied for this period for this Day Type |
| RREG_RRP | NUMBER(15,5) | | Raise Regulation contingency Price applied for this period for this Day Type |
| L6_RRP | NUMBER(15,5) | | Lower 6Sec contingency Price applied for this period for this Day Type |
| L60_RRP | NUMBER(15,5) | | Lower 60Sec contingency Price applied for this period for this Day Type |
| L5_RRP | NUMBER(15,5) | | Lower 5Min contingency Price applied for this period for this Day Type |
| LREG_RRP | NUMBER(15,5) | | Lower Regulation Price applied for this period for this Day Type |
| LASTCHANGED | DATE | | Last date and time record changed |
| L1_RRP | NUMBER(15,5) | | Lower 1Sec contingency Price applied for this period for this Day Type |
| R1_RRP | NUMBER(15,5) | | Raise 1Sec contingency Price applied for this period for this Day Type |

13.10 Table: MARKET_SUSPEND_SCHEDULE_TRK

13.10.1 MARKET_SUSPEND_SCHEDULE_TRK

Name MARKET_SUSPEND_SCHEDULE_TRK
 Comment Parent table for pricing regimes used in suspensions

13.10.2 Primary Key Columns

Name
 EFFECTIVEDATE

13.10.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|----------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Calendar date from when this record set is effective |
| SOURCE_START_DATE | DATE | | Start Date of the date range for the source data |
| SOURCE_END_DATE | DATE | | End Date of the date range for the source data |
| COMMENTS | VARCHAR2(1000) | | Reason why this regime was applied |
| AUTHORISEDDATE | DATE | | DateTime this record set was loaded |
| LASTCHANGED | DATE | | Last date and time record changed |

13.11 Table: OVERRIDERRP

13.11.1 OVERRIDERRP

| | |
|---------|--|
| Name | OVERRIDERRP |
| Comment | OVERRIDERRP shows details of override price periods. |

13.11.2 Description

OVERRIDERRP data is public, so is available to all participants.

Source

OVERRIDERRP updates every five minutes when override prices apply for the period.

13.11.3 Primary Key Columns

Name
 REGIONID
 STARTDATE
 STARTPERIOD

13.11.4 Index Columns

Name
 LASTCHANGED

13.11.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|-----------------------------|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| STARTDATE | DATE | X | Starting date of override |
| STARTPERIOD | NUMBER(3,0) | X | Starting period of override |

| | | | |
|----------------|---------------|--|------------------------------------|
| ENDDATE | DATE | | Termination date of override |
| ENDPERIOD | NUMBER(3,0) | | Terminate period of override |
| RRP | NUMBER(15,0) | | Dispatch Price |
| DESCRIPTION | VARCHAR2(128) | | Description of reason for override |
| AUTHORISESTART | VARCHAR2(15) | | Authorise Start of Override |
| AUTHORISEEND | VARCHAR2(15) | | Authorise End of Override |
| LASTCHANGED | DATE | | Last date and time record changed |

13.12 Table: REGIONAPC

13.12.1 REGIONAPC

| | |
|---------|---|
| Name | REGIONAPC |
| Comment | REGIONAPC defines Administered Price profiles (Energy and FCAS) for a region. |

13.12.2 Description

REGIONAPC data is public, so is available to all participants.

Source

REGIONAPC updates when a change is ever made to the Administered Price Cap details. Changes to this table are infrequent.

13.12.3 Primary Key Columns

Name
EFFECTIVEDATE
REGIONID
VERSIONNO

13.12.4 Index Columns

Name
LASTCHANGED

13.12.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|-----------------------------------|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| EFFECTIVEDATE | DATE | X | Date the APC profile applies from |
| VERSIONNO | NUMBER(3,0) | X | Version number for the same date |

| | | | |
|----------------|--------------|--|-----------------------------------|
| AUTHORISEDDATE | DATE | | Authorised date |
| AUTHORISEDBY | VARCHAR2(10) | | Authorised by |
| LASTCHANGED | DATE | | Last date and time record changed |

13.13 Table: REGIONAPCINTERVALS

13.13.1 REGIONAPCINTERVALS

| | |
|---------|---|
| Name | REGIONAPCINTERVALS |
| Comment | REGIONAPCINTERVALS contains Administered Price profiles (Energy and FCAS) applicable to each interval for a region. |

13.13.2 Description

REGIONAPCINTERVALS data is public, so is available to all participants.

Source

REGIONAPCINTERVALS is updated whenever an Administered Price Cap occurs.

13.13.3 Primary Key Columns

Name

EFFECTIVEDATE

PERIODID

REGIONID

VERSIONNO

13.13.4 Index Columns

Name

LASTCHANGED

13.13.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|-----------------------------------|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| EFFECTIVEDATE | DATE | X | Date the APC profile applies from |
| VERSIONNO | NUMBER(3,0) | X | Version number for the same date |

| | | | |
|--------------|--------------|---|-----------------------------------|
| PERIODID | NUMBER(3,0) | X | 30-minute period |
| APCVALUE | NUMBER(16,6) | | Administered price cap in \$ |
| LASTCHANGED | DATE | | Last date and time record changed |
| APCTYPE | NUMBER(3,0) | | not used |
| FCASAPCVALUE | NUMBER(16,6) | | FCAS Administered price cap in \$ |
| APFVALUE | NUMBER(16,6) | | Administered price floor in \$ |

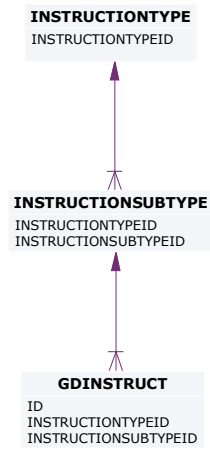
14 Package: GD_INSTRUCT

| | |
|----------------|-----------------------------------|
| <i>Name</i> | GD_INSTRUCT |
| <i>Comment</i> | General Dispatch Instruction data |

14.1 List of tables

| Name | Comment |
|--------------------|--|
| GDINSTRUCT | GDINSTRUCT shows all manually issued dispatch instructions for a dispatchable unit. Ancillary Service instructions are to enable and to disable (i.e. 2 separate instructions) a service. Non-conforming units are also instructed via this facility. However, this facility is not the same as the market notice. |
| INSTRUCTIONSUBTYPE | Each Dispatch instruction (GD instruct) has a type and subtype. INSTRUCTIONSUBTYPE, together with INSTRUCTIONTYPE, sets out valid instruction types. |
| INSTRUCTIONTYPE | Dispatch instruction (GD instruct) has types and subtypes. INSTRUCTIONTYPE, together with INSTRUCTIONSUBTYPE, sets out valid instruction types. |

14.2 Diagram: Entities: GD Instruct



14.3 Table: GDINSTRUCT

14.3.1 GDINSTRUCT

Name GDINSTRUCT

Comment GDINSTRUCT shows all manually issued dispatch instructions for a dispatchable unit. Ancillary Service instructions are to enable and to disable (i.e. 2 separate instructions) a service. Non-conforming units are also instructed via this facility. However, this facility is not the same as the market notice.

14.3.2 Description

Source

GDINSTRUCT updates on issue of an instruction by AEMO, with visibility restricted on the day of issue to the relevant participant. All participants have previous days' data available.

14.3.3 Primary Key Columns

Name

ID

14.3.4 Index Columns

Name

LASTCHANGED

14.3.5 Index Columns

Name

DUID

14.3.6 Index Columns

Name

TARGETTIME

14.3.7 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|------------------------------------|
| DUID | VARCHAR2(10) | | Dispatchable unit identifier |
| STATIONID | VARCHAR2(10) | | Station Identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| ID | NUMBER(22,0) | X | Instruction ID (sequential number) |
| INSTRUCTIONTYPEID | VARCHAR2(10) | | Instruction type |
| INSTRUCTIONSUBTYPEID | VARCHAR2(10) | | Instruction sub type |
| INSTRUCTIONCLASSID | VARCHAR2(10) | | Instruction class |
| REASON | VARCHAR2(64) | | Reason |
| INSTLEVEL | NUMBER(6,0) | | Instruction target level |
| AUTHORISEDDATE | DATE | | Authorised date |
| AUTHORISEDBY | VARCHAR2(15) | | User authorised by |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| ISSUEDTIME | DATE | | Date / time issued |
| TARGETTIME | DATE | | Date / time instruction to apply |
| LASTCHANGED | DATE | | Last date and time record changed |

14.4 Table: INSTRUCTIONSUBTYPE

14.4.1 INSTRUCTIONSUBTYPE

| | |
|---------|--|
| Name | INSTRUCTIONSUBTYPE |
| Comment | Each Dispatch instruction (GD instruct) has a type and subtype. INSTRUCTIONSUBTYPE, together with INSTRUCTIONTYPE, sets out valid instruction types. |

14.4.2 Description

INSTRUCTIONSUBTYPE is public data, and is available to all participants.

Source

INSTRUCTIONSUBTYPE shows ad hoc updates to market configuration.

14.4.3 Primary Key Columns

Name
 INSTRUCTIONSUBTYPEID
 INSTRUCTIONTYPEID

14.4.4 Index Columns

Name
 LASTCHANGED

14.4.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|---|
| INSTRUCTIONTYPEID | VARCHAR2(10) | X | Instruction type |
| INSTRUCTIONSUBTYPEID | VARCHAR2(10) | X | Subtype for each dispatch instruction type, for example governor off. |
| DESCRIPTION | VARCHAR2(64) | | Description of instruction subtype |

| | | | |
|-------------|------|--|-----------------------------------|
| LASTCHANGED | DATE | | Last date and time record changed |
|-------------|------|--|-----------------------------------|

14.5 Table: INSTRUCTIONTYPE

14.5.1 INSTRUCTIONTYPE

| | |
|---------|---|
| Name | INSTRUCTIONTYPE |
| Comment | Dispatch instruction (GD instruct) has types and subtypes. INSTRUCTIONTYPE, together with INSTRUCTIONSUBTYPE, sets out valid instruction types. |

14.5.2 Description

INSTRUCTIONTYPE data is public to all participants.

Source

INSTRUCTIONTYPE shows ad hoc updates to market configuration.

14.5.3 Primary Key Columns

| | |
|------|-------------------|
| Name | INSTRUCTIONTYPEID |
|------|-------------------|

14.5.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

14.5.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| INSTRUCTIONTYPEID | VARCHAR2(10) | X | Dispatch instruction type for example FCAS service. |
| DESCRIPTION | VARCHAR2(64) | | Description of instruction type |
| REGIONID | VARCHAR2(10) | | Region id if regional instruction only. |
| LASTCHANGED | DATE | | Last date and time record changed |

15 Package: GENERIC_CONSTRAINT

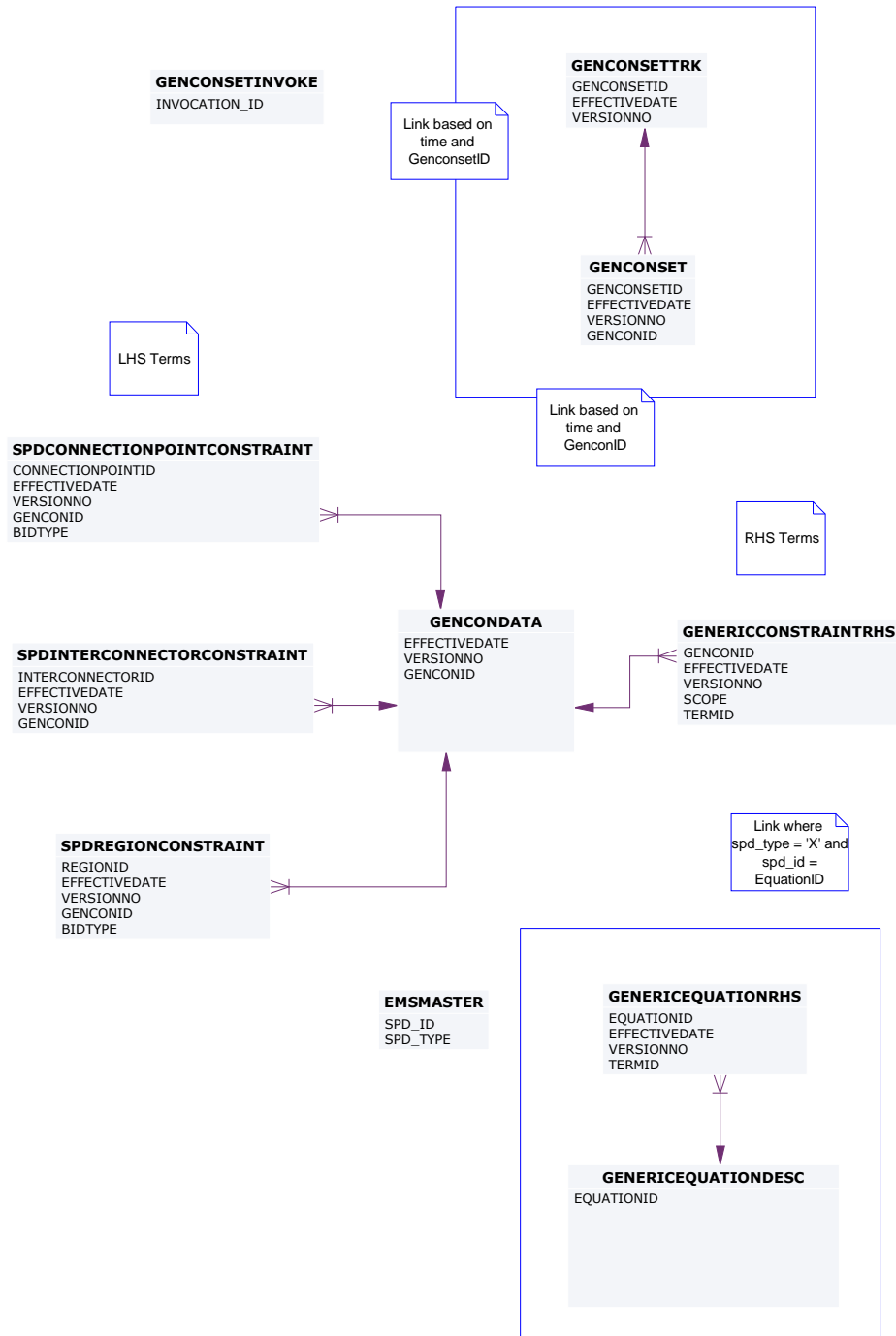
| | |
|----------------|--|
| <i>Name</i> | GENERIC_CONSTRAINT |
| <i>Comment</i> | Generic Constraint Standing Data and Invocations |

15.1 List of tables

| Name | Comment |
|----------------------|---|
| EMSMASTER | EMSMASTER provides a description of the SCADA measurements that are associated with the SPD_ID points utilised in generic equation RHS terms |
| GENCONDATA | GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, predispach and dispatch. Fields enable selective application of invoked constraints in the Dispatch, Predispach, ST PASA or MT PASA processes. |
| GENCONSET | GENCONSET sets out generic constraint sets that are invoked and revoked, and may contain many generic constraints (GENCONDATA). |
| GENCONSETINVOKE | GENCONSETINVOKE provides details of invoked and revoked generic constraints. GENCONSETINVOKE is the key table for determining what constraints are active in dispatch, predispach and PASA. GENCONSETINVOKE also indicates whether constraints are for interconnector limits, ancillary services, etc. |
| GENCONSETTRK | GENCONSETTRK assists in determining the correct version of a generic constraint set that has been invoked in GENCONSETINVOKE. |
| GENERICCONSTRAINTRHS | GENERICCONSTRAINTRHS sets out details of generic constraint Right Hand Side (RHS) formulations for dispatch (DS), predispach (PD) and Short Term PASA (ST). GENERICCONSTRAINTRHS also includes general expressions (EQ) used in the dispatch, predispach and PASA time frames. GENERICCONSTRAINTRHS replaces data previously available via the "Constraint Library" Excel spreadsheet. |
| GENERICEQUATIONDESC | GENERICEQUATIONDESC defines a generic equation identifier |

| | |
|------------------------------|--|
| | with a description. The formulation of the generic equation is detailed in GENERICEQUATIONRHS. |
| GENERICEQUATIONRHS | GENERICEQUATIONRHS stores the formulation of commonly used Generic Constraint Right Hand Side Equations referenced from Generic Constraint Right Hand Side definitions stored in GENERICCONSTRAINTRHS. The Generic Equation definitions are versioned and the latest effective version is applied to the dispatch process. |
| SPDCONNECTIONPOINTCONSTRAINT | SPDCONNECTIONPOINTCONSTRAINT sets out details of connections point constraints issued in dispatch, predispach and STPASA. |
| SPDINTERCONNECTORCONSTRAINT | SPDINTERCONNECTORCONSTRAINT contains details on the interconnector constraint factors used in dispatch, predispach and STPASA. The details set a LHS value. |
| SPDREGIONCONSTRAINT | SPDREGIONCONSTRAINT contains details on region demand constraint factors used in dispatch. SPDREGIONCONSTRAINT sets a LHS value. |

15.2 Diagram: Entities: Generic Constraints



15.3 Table: EMSMASTER

15.3.1 EMSMASTER

| | |
|---------|--|
| Name | EMSMASTER |
| Comment | EMSMASTER provides a description of the SCADA measurements that are associated with the SPD_ID points utilised in generic equation RHS terms |

15.3.2 Primary Key Columns

| |
|----------|
| Name |
| SPD_ID |
| SPD_TYPE |

15.3.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

15.3.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|--|
| SPD_ID | VARCHAR(21) | X | ID defining data source |
| SPD_TYPE | VARCHAR(1) | X | ID describing type of data source |
| DESCRIPTION | VARCHAR(255) | | The detailed description of the SCADA point associated with the SPD_ID |
| GROUPING_ID | VARCHAR(20) | | The Grouping associated with the SPD ID - most often a RegionID |
| LASTCHANGED | DATE | | Last date and time record changed |

15.4 Table: GENCONDATA

15.4.1 GENCONDATA

| | |
|---------|---|
| Name | GENCONDATA |
| Comment | <p>GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, predispach and dispatch.</p> <p>Fields enable selective application of invoked constraints in the Dispatch, Predispach, ST PASA or MT PASA processes.</p> |

15.4.2 Description

GENCONDATA is a public data, and is available to all participants.

Source

GENCONDATA updates as constraint details are updated by AEMO.

Note

The following fields enable selective application of invoked constraints in the Dispatch, Predispach, ST PASA or MT PASA processes:

- DISPATCH
- PREDISPATCH
- STPASA
- MTPASA

The flag P5MIN_SCOPE_OVERRIDE indicates for each constraint whether 5MPD makes use of the default Dispatch (P5MIN_SCOPE_OVERRIDE = NULL) or Pre-dispatch (P5MIN_SCOPE_OVERRIDE = 'PD') style RHS definition. GENERICCONSTRAINTRHS stores generic constraint RHS definitions. Constraints without records in GENERICCONSTRAINTRHS only make use of the static RHS defined in the CONSTRAINTVALUE column in GENCONDATA .

The default value for the P5MIN_SCOPE_OVERRIDE column is NULL, so constraints existing before implementing the column use the DISPATCH RHS definition by default, as was the case before the implementation of the change.

15.4.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| GENCONID |

VERSIONNO

15.4.4 Index Columns

Name

LASTCHANGED

15.4.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|---------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Effective date of this constraint |
| VERSIONNO | NUMBER(3,0) | X | Version with respect to the effective date |
| GENCONID | VARCHAR2(20) | X | Unique ID for the constraint |
| CONSTRAINTTYPE | VARCHAR2(2) | | The logical operator (=, >=, <=) |
| CONSTRAINTVALUE | NUMBER(16,6) | | the RHS value used if there is no dynamic RHS defined in GenericConstraintRHS |
| DESCRIPTION | VARCHAR2(256) | | Detail of the plant that is not in service |
| STATUS | VARCHAR2(8) | | Not used |
| GENERICCONSTRAINTWEIGHT | NUMBER(16,6) | | The constraint violation penalty factor |
| AUTHORISEDDATE | DATE | | Date record authorised |
| AUTHORISEDBY | VARCHAR2(15) | | User authorising record |
| DYNAMICRHS | NUMBER(15,5) | | Not used |
| LASTCHANGED | DATE | | Last date and time record changed |
| DISPATCH | VARCHAR2(1) | | Flag: constraint RHS used for Dispatch? 1-used, 0-not used |
| PREDISPATCH | VARCHAR2(1) | | Flag to indicate if the constraint RHS is to be used for PreDispatch, 1-used, 0-not used |
| STPASA | VARCHAR2(1) | | Flag to indicate if the constraint RHS is to be used for ST PASA, 1-used, 0-not used |

| | | | |
|----------------------|---------------|--|--|
| MTPASA | VARCHAR2(1) | | Flag to indicate if the constraint RHS is to be used for MT PASA, 1-used, 0-not used |
| IMPACT | VARCHAR2(64) | | The device(s) that is affected by the constraint e.g. Interconnector, Generator(s) or Cutset |
| SOURCE | VARCHAR2(128) | | The source of the constraint formulation |
| LIMITTYPE | VARCHAR2(64) | | The limit type of the constraint e.g. Transient Stability, Voltage Stability |
| REASON | VARCHAR2(256) | | The contingency or reason for the constraint |
| MODIFICATIONS | VARCHAR2(256) | | Details of the changes made to this version of the constraint |
| ADDITIONALNOTES | VARCHAR2(256) | | Extra notes on the constraint |
| P5MIN_SCOPE_OVERRIDE | VARCHAR2(2) | | Extra notes on the constraint: NULL = Dispatch RHS applied in 5MPD, PD = PreDispatch RHS applied in 5MPD |
| LRC | VARCHAR2(1) | | Flag to indicate if PASA LRC run uses the constraint; 1-used, 0-not used |
| LOR | VARCHAR2(1) | | Flag to indicate if PASA LOR run uses the constraint; 1-used, 0-not used |
| FORCE_SCADA | NUMBER(1,0) | | Flags Constraints for which NEMDE must use "InitialMW" values instead of "WhatOfInitialMW" for Intervention Pricing runs |

15.5 Table: GENCONSET

15.5.1 GENCONSET

Name GENCONSET

Comment GENCONSET sets out generic constraint sets that are invoked and revoked, and may contain many generic constraints (GENCONDATA).

15.5.2 Description

GENCONSET is public data, and is available to all participants.

Source

GENCONSET updates as sets are updated by AEMO.

15.5.3 Primary Key Columns

Name

EFFECTIVEDATE

GENCONID

GENCONSETID

VERSIONNO

15.5.4 Index Columns

Name

LASTCHANGED

15.5.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| GENCONSETID | VARCHAR2(20) | X | Unique ID for the Constraint Set |
| EFFECTIVEDATE | DATE | X | Date this record becomes effective |
| VERSIONNO | NUMBER(3,0) | X | Version no of the record for the given |

| | | | |
|-----------------|--------------|---|---|
| | | | effective date |
| GENCONID | VARCHAR2(20) | X | Generic Constraint ID |
| GENCONEFFDATE | DATE | | Since market start in 1998 these fields have not been used and any data that has been populated in the fields should be ignored |
| GENCONVERSIONNO | NUMBER(3,0) | | Since market start in 1998 these fields have not been used and any data that has been populated in the fields should be ignored |
| LASTCHANGED | DATE | | Last date and time record changed |

15.6 Table: GENCONSETINVOKE

15.6.1 GENCONSETINVOKE

| | |
|---------|--|
| Name | GENCONSETINVOKE |
| Comment | <p>GENCONSETINVOKE provides details of invoked and revoked generic constraints. GENCONSETINVOKE is the key table for determining what constraints are active in dispatch, predispach and PASA.</p> <p>GENCONSETINVOKE also indicates whether constraints are for interconnector limits, ancillary services, etc.</p> |

15.6.2 Description

GENCONSETINVOKE is public data. All participants have access to this data.

Source

GENCONSETINVOKE updates each time a generic constraint is invoked or revoke time is altered. Once past the time, these times cannot be altered.

Note

The Replica software does not handle the deletion of GENCONSETINVOKE records. To workaround this problem, the field STARTAUTHORISEDDBY indicates whether a constraint set invocation is applicable. A non-null value for the STARTAUTHORISEDDBY field indicates that the constraint invocation is active. Essentially inactive invocations have a null value for the STARTAUTHORISEDDBY field. To remove inactive invocations from queries on the GENCONSETINVOKE table, add the following text to the where clause "and STARTAUTHORISEDDBY is not null".

15.6.3 Primary Key Columns

| | |
|------|---------------|
| Name | INVOCATION_ID |
|------|---------------|

15.6.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

15.6.5 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|-----------------------|--------------|-----|--|
| INVOCATION_ID | NUMBER(9) | X | Abstract unique identifier for the record. Allows Invocations to be modified without affecting PK values |
| STARTDATE | DATE | X | Market date of start |
| STARTPERIOD | NUMBER(3,0) | X | The first dispatch interval of the invocation being the dispatch interval number starting from 1 at 04:05. |
| GENCONSETID | VARCHAR2(20) | X | Unique generic constraint set identifier |
| ENDDATE | DATE | | Market date end |
| ENDPERIOD | NUMBER(3,0) | | Dispatch interval number end |
| STARTAUTHORISED BY | VARCHAR2(15) | | User authorising invoke, indicating a constraint set invocation is applicable (i.e. non-null). A null value indicates inactive invocation. |
| ENDAUTHORISED BY | VARCHAR2(15) | | user authorising revoke. |
| INTERVENTION | VARCHAR2(1) | | 0 is not intervention, 1 is intervention and causes dispatch to solve twice. |
| ASCONSTRAINTTYPE | VARCHAR2(10) | | Constraint type (e.g. ancillary services). This also flags where a constraint is an interconnector or intra-region network limit. |
| LASTCHANGED | DATE | | Last date and time record changed |
| STARTINTERVALDATETIME | DATE | | The settlement date and time corresponding to the first interval to which the constraint set is to be applied. |
| ENDINTERVALDATETIME | DATE | | The settlement date and time corresponding to the last interval to which the constraint set is to be applied. |
| SYSTEMNORMAL | VARCHAR2(1) | | Flag to indicate if the constraint set is a system normal (1) or an outage set (0) |

15.7 Table: GENCONSETTRK

15.7.1 GENCONSETTRK

| | |
|---------|---|
| Name | GENCONSETTRK |
| Comment | GENCONSETTRK assists in determining the correct version of a generic constraint set that has been invoked in GENCONSETINVOKE. |

15.7.2 Description

GENCONSETTRK data is public to all participants.

Source

Ad hoc updates occur to GENCONSETTRK.

15.7.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| GENCONSETID |
| VERSIONNO |

15.7.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

15.7.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| GENCONSETID | VARCHAR2(20) | X | Unique ID for the Constraint Set |
| EFFECTIVEDATE | DATE | X | Date this record becomes effective |
| VERSIONNO | NUMBER(3,0) | X | Version no of the record for the given effective date |

| | | | |
|----------------|---------------|--|--|
| DESCRIPTION | VARCHAR2(256) | | Description of the constraint |
| AUTHORISEDBY | VARCHAR2(15) | | The person who authorised the constraint set |
| AUTHORISEDDATE | DATE | | The date and time of authorising the constraint set |
| LASTCHANGED | DATE | | Last date and time record changed |
| COVERAGE | VARCHAR2(64) | | The region the constraint set is located in or a special grouping (e.g. CHIMERA) |
| MODIFICATIONS | VARCHAR2(256) | | Details of the changes made to this version of the constraint set |
| SYSTEMNORMAL | VARCHAR2(1) | | Not used as of 2005 End of Year Release [was Flag to indicate if the constraint set is a system normal (1) or and an outage set (0)] |
| OUTAGE | VARCHAR2(256) | | Detail of the plant that is not in service |

15.8 Table: GENERICCONSTRAINTRHS

15.8.1 GENERICCONSTRAINTRHS

| | |
|---------|--|
| Name | GENERICCONSTRAINTRHS |
| Comment | <p>GENERICCONSTRAINTRHS sets out details of generic constraint Right Hand Side (RHS) formulations for dispatch (DS), predispach (PD) and Short Term PASA (ST). GENERICCONSTRAINTRHS also includes general expressions (EQ) used in the dispatch, predispach and PASA time frames.</p> <p>GENERICCONSTRAINTRHS replaces data previously available via the "Constraint Library" Excel spreadsheet.</p> |

15.8.2 Description

GENERICCONSTRAINTRHS is public data, and is available to all participants.

Source

GENERICCONSTRAINTRHS updates whenever a new generic constraint RHS or expression is created or modified

Volume

Approximately 70,000 records per year

Note

GENERICEQUATIONRHS and GENERICEQUATIONDESC allow commonly used constraint right hand side formulations to be defined as a generic equation. Once defined, the generic equation can be referenced from any Generic constraint RHS formulation defined in GENERICCONSTRAINTRHS.

15.8.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| GENCONID |
| SCOPE |
| TERMID |
| VERSIONNO |

15.8.4 Index Columns

Name

LASTCHANGED

15.8.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| GENCONID | VARCHAR2(20) | X | Generic Constraint Identifier |
| EFFECTIVEDATE | DATE | X | Effective date of this record |
| VERSIONNO | NUMBER(22,0) | X | Version no of this record for the effective date |
| SCOPE | VARCHAR2(2) | X | Scope of RHS term (DS, PD, ST or EQ) |
| TERMID | NUMBER(4,0) | X | The unique identifier for the a constraint RHS term |
| GROUPID | NUMBER(3,0) | | ID of super-term, if this is a sub-term |
| SPD_ID | VARCHAR2(21) | | ID defining data source |
| SPD_TYPE | VARCHAR2(1) | | ID describing type of data source |
| FACTOR | NUMBER(16,6) | | Multiplier applied to operator result |
| OPERATION | VARCHAR2(10) | | Unitary operator to apply to data value |
| DEFAULTVALUE | NUMBER(16,6) | | Default value if primary source given by SPD_ID and SPD_TYPE not available. |
| PARAMETERTERM1 | VARCHAR2(12) | | The unique identifier for the first term (logic expression) to use in a Branch term |
| PARAMETERTERM2 | VARCHAR2(12) | | The unique identifier for the second term (logic<=0 result) to use in a Branch term |
| PARAMETERTERM3 | VARCHAR2(12) | | The unique identifier for the third term (logic>0 result) to use in a Branch term |
| LASTCHANGED | DATE | | Last date and time record changed |

15.9 Table: GENERICEQUATIONDESC

15.9.1 GENERICEQUATIONDESC

| | |
|---------|--|
| Name | GENERICEQUATIONDESC |
| Comment | GENERICEQUATIONDESC defines a generic equation identifier with a description. The formulation of the generic equation is detailed in GENERICEQUATIONRHS. |

15.9.2 Description

GENERICEQUATIONDESC data is public to all participants.

Source

GENERICEQUATIONDESC updates when new a generic equation is created for the first time.

Volume

Approximately 100 records per year

Note

GENERICEQUATIONRHS and GENERICEQUATIONDESC allow commonly used constraint right hand side formulations to be defined as a generic equation. Once defined, the generic equation can be referenced from any Generic constraint RHS formulation defined in GENERICCONSTRAINTRHS.

15.9.3 Primary Key Columns

| | |
|------|------------|
| Name | EQUATIONID |
|------|------------|

15.9.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

15.9.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|---------------|-----------|------------------------------|
| EQUATIONID | VARCHAR2(20) | X | Generic Equation Identifier |
| DESCRIPTION | VARCHAR2(256) | | Generic Equation Description |

| | | | |
|-----------------|---------------|--|--|
| LASTCHANGED | DATE | | Last date and time record changed |
| IMPACT | VARCHAR2(64) | | The device(s) affected by the constraint (e.g. Interconnector, Generator(s) or Cutset) |
| SOURCE | VARCHAR2(128) | | The source of the constraint formulation |
| LIMITTYPE | VARCHAR2(64) | | The limit type of the constraint e.g. Transient Stability, Voltage Stability |
| REASON | VARCHAR2(256) | | The contingency or reason for the constraint |
| MODIFICATIONS | VARCHAR2(256) | | Details of the changes made to this version of the generic equation RHS |
| ADDITIONALNOTES | VARCHAR2(256) | | Extra notes on the constraint |

15.10 Table: GENERICEQUATIONRHS

15.10.1 GENERICEQUATIONRHS

| | |
|---------|--|
| Name | GENERICEQUATIONRHS |
| Comment | GENERICEQUATIONRHS stores the formulation of commonly used Generic Constraint Right Hand Side Equations referenced from Generic Constraint Right Hand Side definitions stored in GENERICCONSTRAINTRHS. The Generic Equation definitions are versioned and the latest effective version is applied to the dispatch process. |

15.10.2 Description

GENERICEQUATIONRHS data is public to all participants.

Source

GENERICEQUATIONRHS updates whenever a generic equation is created or modified.

Volume

Approximately 1,000 records per year

Note

GENERICEQUATIONRHS and GENERICEQUATIONDESC allow commonly used constraint right hand side formulations to be defined as a generic equation. Once defined, the generic equation can be referenced from any Generic constraint RHS formulation defined in GENERICCONSTRAINTRHS.

To reference a generic equation from a generic constraint RHS definition, specify a SPD_TYPE of 'X' and the SPD_ID equivalent to the EQUATIONID field in GENERICEQUATIONRHS.

15.10.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| EQUATIONID |
| TERMID |
| VERSIONNO |

15.10.4 Index Columns

| |
|------|
| Name |
|------|

LASTCHANGED

15.10.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| EQUATIONID | VARCHAR2(20) | X | Generic Equation Identifier |
| EFFECTIVEDATE | DATE | X | Effective date of this record |
| VERSIONNO | NUMBER(3,0) | X | Version no of this record for the effective date |
| TERMINID | NUMBER(3,0) | X | The unique identifier for the a equation RHS term |
| GROUPID | NUMBER(3,0) | | ID of super-term, if this is a sub-term |
| SPD_ID | VARCHAR2(21) | | ID defining data source |
| SPD_TYPE | VARCHAR2(1) | | ID describing type of data source |
| FACTOR | NUMBER(16,6) | | Multiplier applied to operator result |
| OPERATION | VARCHAR2(10) | | Unitary operator to apply to data value |
| DEFAULTVALUE | NUMBER(16,6) | | Default value if primary source given by SPD_ID and SPD_TYPE not available. |
| PARAMETERTERM1 | VARCHAR2(12) | | The unique identifier for the first term (logic expression) to use in a Branch term |
| PARAMETERTERM2 | VARCHAR2(12) | | The unique identifier for the second term (logic<=0 result) to use in a Branch term |
| PARAMETERTERM3 | VARCHAR2(12) | | The unique identifier for the third term (logic>0 result) to use in a Branch term |
| LASTCHANGED | DATE | | Last date and time record changed |

15.11 Table: SPDCONNECTIONPOINTCONSTRAINT

15.11.1 SPDCONNECTIONPOINTCONSTRAINT

| | |
|---------|---|
| Name | SPDCONNECTIONPOINTCONSTRAINT |
| Comment | SPDCONNECTIONPOINTCONSTRAINT sets out details of connections point constraints issued in dispatch, predispach and STPASA. |

15.11.2 Description

The addition of the BIDTYPE field to SPDCONNECTIONPOINTCONSTRAINT allows constraints to be applied to a dispatchable unit energy and/or Frequency Controlled Ancillary Services dispatch.

SPDCONNECTIONPOINTCONSTRAINT data is public, so is available to all participants.

Source

SPDCONNECTIONPOINTCONSTRAINT updates whenever new connection point constraints are created.

15.11.3 Primary Key Columns

Name
 BIDTYPE
 CONNECTIONPOINTID
 EFFECTIVEDATE
 GENCONID
 VERSIONNO

15.11.4 Index Columns

Name
 LASTCHANGED

15.11.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|-------------------|--------------|---|--|
| CONNECTIONPOINTID | VARCHAR2(12) | X | Connection Point Identifier |
| EFFECTIVEDATE | DATE | X | Effective date of this record |
| VERSIONNO | NUMBER(3,0) | X | Version no of this record for the effective date |
| GENCONID | VARCHAR2(20) | X | Generic Constraint Identifier |
| FACTOR | NUMBER(16,6) | | Constraint factor |
| LASTCHANGED | DATE | | Last date and time record changed |
| BIDTYPE | VARCHAR2(12) | X | Bid Type Identifier; one of (RAISE6SEC, RAISE60SEC, RAISE5MIN, LOWER6SEC, LOWER60SEC, LOWER5MIN, RAISEREG, LOWERREG) |

15.12 Table: SPDINTERCONNECTORCONSTRAINT

15.12.1 SPDINTERCONNECTORCONSTRAINT

| | |
|---------|---|
| Name | SPDINTERCONNECTORCONSTRAINT |
| Comment | SPDINTERCONNECTORCONSTRAINT contains details on the interconnector constraint factors used in dispatch, predispach and STPASA. The details set a LHS value. |

15.12.2 Description

SPDINTERCONNECTORCONSTRAINT is public data, and is available to all participants.

Source

SPDINTERCONNECTORCONSTRAINT updates whenever new connection point constraints are created.

15.12.3 Primary Key Columns

| |
|------------------|
| Name |
| EFFECTIVEDATE |
| GENCONID |
| INTERCONNECTORID |
| VERSIONNO |

15.12.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

15.12.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|-------------------------------|
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector Identifier |
| EFFECTIVEDATE | DATE | X | Effective date of this record |

| | | | |
|-------------|--------------|---|--|
| VERSIONNO | NUMBER(3,0) | X | Version no of this record for the effective date |
| GENCONID | VARCHAR2(20) | X | Generic Constraint Identifier |
| FACTOR | NUMBER(16,6) | | Constraint factor |
| LASTCHANGED | DATE | | Last date and time record changed |

15.13 Table: SPDREGIONCONSTRAINT

15.13.1 SPDREGIONCONSTRAINT

Name SPDREGIONCONSTRAINT

Comment SPDREGIONCONSTRAINT contains details on region demand constraint factors used in dispatch. SPDREGIONCONSTRAINT sets a LHS value.

15.13.2 Description

SPDREGIONCONSTRAINT is public data, and is available to all participants.

Source

SPDREGIONCONSTRAINT is updated whenever AEMO creates new regional constraints.

15.13.3 Primary Key Columns

Name

BIDTYPE

EFFECTIVEDATE

GENCONID

REGIONID

VERSIONNO

15.13.4 Index Columns

Name

LASTCHANGED

15.13.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|-------------------------------|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| EFFECTIVEDATE | DATE | X | Effective date of this record |

| | | | |
|-------------|--------------|---|---|
| VERSIONNO | NUMBER(3,0) | X | Version no of this record for the effective date |
| GENCONID | VARCHAR2(20) | X | Generic Constraint Identifier |
| FACTOR | NUMBER(16,6) | | Constraint factor; one of (-1, 1) |
| LASTCHANGED | DATE | | Last date and time record changed |
| BIDTYPE | VARCHAR2(10) | X | AS Service type - relates to the BidType table; one of (RAISE6SEC, RAISE60SEC, RAISE5MIN, LOWER6SEC, LOWER60SEC, LOWER5MIN, RAISEREG, LOWERREG) |

16 Package: IRAUCTION

| | |
|----------------|-------------------------------------|
| <i>Name</i> | IRAUCTION |
| <i>Comment</i> | Inter-regional Residue Auction data |

16.1 List of tables

| Name | Comment |
|--------------------------|--|
| AUCTION | AUCTION holds auction details. AUCTION is new in March 2003 to support SRA Inter-Temporal Linking. |
| AUCTION_CALENDAR | AUCTION_CALENDAR holds the definitions of each auction quarter in a contract year. AUCTION_CALENDAR supports the Settlement Residue Auction. |
| AUCTION_IC_ALLOCATIONS | AUCTION_IC_ALLOCATIONS supports the Settlement Residue Auction by providing the basis for setting up contracts for individual tranches. AUCTION_IC_ALLOCATIONS shows the default definitions for the total number of units and proportion applicable to each directional interconnector for a specified auction quarter. |
| AUCTION_REVENUE_ESTIMATE | AUCTION_REVENUE_ESTIMATE supports the Settlement Residue Auction, by holding the evaluator's estimates of revenue for each month of a given quarter. Since reserve prices are no longer applicable from the end of 2001, zero is used as a default to avoid rewriting the system. |
| AUCTION_REVENUE_TRACK | AUCTION_REVENUE_TRACK supports the Settlement Residue Auction, by holding the tracking information for each evaluator's estimates for a given quarter. The status field is dynamic and is used for selection of estimates to be published. |
| AUCTION_RP_ESTIMATE | AUCTION_RP_ESTIMATE supports the Settlement Residue Auction, by holding the evaluator's estimates of revenue prices for a given quarter. Since reserve prices are no longer applicable from the end of 2001, zero is used as a default to avoid rewriting the system. |
| AUCTION_TRANCHE | AUCTION_TRANCHE supports the Settlement Residue Auction, by holding the default definitions for the percentage number of units allocated and dates applicable to each tranche for a specified auction quarter. This information provides the basis for setting up contracts for individual tranches. |
| RESIDUE_BID_TRK | RESIDUE_BID_TRK supports the Settlement Residue Auction, by detailing which bid was used for which SRA Contract run. |

| | |
|-----------------------------|---|
| RESIDUE_CON_DATA | RESIDUE_CON_DATA supports the Settlement Residue Auction, by holding for each participant the confidential data from the auction. RESIDUE_CON_DATA joins to RESIDUE_PUBLIC_DATA and RESIDUE_TRK. |
| RESIDUE_CON_ESTIMATES_TRK | RESIDUE_CON_ESTIMATES_TRK supports the Settlement Residue Auction, by holding the tracking details of the estimates used to generate the reserve price for each contract. |
| RESIDUE_CON_FUNDS | RESIDUE_CON_FUNDS supports the Settlement Residue Auction, by holding the fund details for each contract. |
| RESIDUE_CONTRACTS | RESIDUE_CONTRACTS supports the Settlement Residue Auction, by holding the contract details for each period for which a residue contract will be offered. |
| RESIDUE_FUNDS_BID | RESIDUE_FUNDS_BID supports the Settlement Residue Auction, by showing the fund details for each SRA bid by each Participant. |
| RESIDUE_PRICE_BID | RESIDUE_PRICE_BID supports the Settlement Residue Auction, holding the unit and bid price details for each participant. |
| RESIDUE_PRICE_FUNDS_BID | RESIDUE_PRICE_FUNDS_BID shows the bids producing the auction outcome, without exposing participant-specific details. RESIDUE_PRICE_FUNDS_BID is new in March 2003 to support SRA Inter-Temporal Linking. |
| RESIDUE_PUBLIC_DATA | RESIDUE_PUBLIC_DATA shows the public auction results. RESIDUE_PUBLIC_DATA supports the Settlement Residue Auction, by holding the public details of the auction for a given contract. RESIDUE_PUBLIC_DATA joins to RESIDUE_CON_DATA and RESIDUE. |
| RESIDUE_TRK | RESIDUE_TRK supports the Settlement Residue Auction, by showing the tracking records for different residue auction runs. RESIDUE_TRK joins to RESIDUE_PUBLIC_DATA and RESIDUE_CON_DATA. |
| RESIDUECONTRACTPAYMENTS | RESIDUECONTRACTPAYMENTS shows Settlement Residue Auction payment Participant notifications. |
| RESIDUEFILETRK | RESIDUEFILETRK records all Settlement Residue Auction offers submitted by participants. |
| SRA_CASH_SECURITY | Records the Cash Security details provided by an SRA Auction Participant as collateral to cover their Trading Position in the SRA market |
| SRA_FINANCIAL_AUC_MARDETAIL | This table stores details of the margins returned to the participants. |
| SRA_FINANCIAL_AUC_MARGIN | Records the amount of Cash Security required to be held by an |

| | |
|------------------------------|--|
| | Auction Participant after settlement |
| SRA_FINANCIAL_AUC_RECEIPTS | Records details of the Cancelled Units and their value for the Auction Participant |
| SRA_FINANCIAL_AUCPAY_DETAIL | Records details of the SRA financial auction payment |
| SRA_FINANCIAL_AUCPAY_SUM | Records a summary of the Auction payment amount |
| SRA_FINANCIAL_RUNTRK | Records details of the settlement process for the cancellation and purchase of SRA Auction Units |
| SRA_OFFER_PRODUCT | Holds the Product details for each Offer File submitted by each SRA Auction Participant. |
| SRA_OFFER_PROFILE | Holds the data of an SRA Auction Participant Offer Submission. |
| SRA_PRUDENTIAL_CASH_SECURITY | Records the Cash Security details provided by an SRA Auction Participant as collateral to cover their Trading Position in the SRA market |
| SRA_PRUDENTIAL_COMP_POSITION | The prudential position of each company at the date and time of a specific prudential run |
| SRA_PRUDENTIAL_EXPOSURE | Records details of the Prudential Exposure of an SRA Auction Participant |
| SRA_PRUDENTIAL_RUN | Records the prudential run details for each prudential date |
| VALUATIONID | VALUATIONID shows the identifiers and descriptions of the valuers submitting estimates of upcoming settlement residues. VALUATIONID supports the Settlement Residue Auction. |

16.2 Diagram: Entities: IRAuction

RESIDUEFILETRK

PARTICIPANTID
LOADDATE
AUCTIONID

RESIDUE_CON_FUNDS

CONTRACTID
INTERCONNECTORID
FROMREGIONID

RESIDUECONTRACTPAYMENTS

CONTRACTID
PARTICIPANTID

AUCTION_REVENUE_TRACK

CONTRACTYEAR
QUARTER
VALUATIONID
VERSIONNO

AUCTION_TRANCHE

CONTRACTYEAR
QUARTER
VERSIONNO
TRANCHE

RESIDUE_PUBLIC_DATA

CONTRACTID
VERSIONNO
INTERCONNECTORID
FROMREGIONID

AUCTION

AUCTIONID

AUCTION_CALENDAR

CONTRACTYEAR
QUARTER

RESIDUE_CONTRACTS

CONTRACTYEAR
QUARTER
TRANCHE

AUCTION_RP_ESTIMATE

CONTRACTYEAR
QUARTER
VALUATIONID
VERSIONNO
INTERCONNECTORID
FROMREGIONID

VALUATIONID

VALUATIONID

RESIDUE_BID_TRK

VERSIONNO
PARTICIPANTID
AUCTIONID

RESIDUE_FUNDS_BID

CONTRACTID
PARTICIPANTID
LOADDATE

AUCTION_REVENUE_ESTIMATE

CONTRACTYEAR

RESIDUE_CON_DATA

CONTRACTID
VERSIONNO
PARTICIPANTID
INTERCONNECTORID
FROMREGIONID

RESIDUE_CON_ESTIMATES_TRK

CONTRACTID
CONTRACTYEAR
QUARTER
VALUATIONID

RESIDUE_PRICE_FUNDS_BID

CONTRACTID
INTERCONNECTORID
FROMREGIONID
LINKEDBIDFLAG
AUCTIONID

RESIDUE_PRICE_BID

PARTICIPANTID
LOADDATE
OPTIONID
AUCTIONID

RESIDUE_TRK

VERSIONNO
AUCTIONID

AUCTION_IC_ALLOCATIONS

CONTRACTYEAR
QUARTER
VERSIONNO
INTERCONNECTORID
FROMREGIONID

OPTIONID
INTERCONNECTORID
FROMREGIONID

QUARTER
VALUATIONID
VERSIONNO
INTERCONNECTORID
FROMREGIONID
MONTHNO

SRA_FINANCIAL_RUNTRK

SRA_YEAR
SRA_QUARTER
SRA_RUNNO

SRA_FINANCIAL_AUC_RECEIPTS

SRA_YEAR
SRA_QUARTER
SRA_RUNNO
PARTICIPANTID
INTERCONNECTORID
FROMREGIONID
CONTRACTID

SRA_OFFER_PRODUCT

AUCTIONID
PARTICIPANTID
LOADDATE
OPTIONID

SRA_FINANCIAL_AUC_MARGI

SRA_YEAR
SRA_QUARTER
SRA_RUNNO
PARTICIPANTID

SRA_FINANCIAL_AUC_MARDETAIL

SRA_YEAR
SRA_QUARTER
SRA_RUNNO
PARTICIPANTID
CASH_SECURITY_ID

SRA_OFFER_PROFILE

AUCTIONID
PARTICIPANTID
LOADDATE

SRA_FINANCIAL_AUCPAY_SU

SRA_YEAR
SRA_QUARTER
SRA_RUNNO
PARTICIPANTID

SRA_FINANCIAL_AUCPAY_DETAIL

SRA_YEAR
SRA_QUARTER
SRA_RUNNO
PARTICIPANTID
INTERCONNECTORID
FROMREGIONID
CONTRACTID

SRA_CASH_SECURITY

CASH_SECURITY_ID

| | |
|-----------------------------------|-------------------------------------|
| SRA_PRUDENTIAL_RUN | SRA_PRUDENTIAL_EXPOSURE |
| PRUDENTIAL_DATE | PRUDENTIAL_DATE |
| PRUDENTIAL_RUNNO | PRUDENTIAL_RUNNO |
| | PARTICIPANTID |
| | SRA_YEAR |
| | SRA_QUARTER |
| SRA_PRUDENTIAL_COMP_POSITI | INTERCONNECTORID |
| PRUDENTIAL_DATE | FROMREGIONID |
| PRUDENTIAL_RUNNO | |
| PARTICIPANTID | |
| | SRA_PRUDENTIAL_CASH_SECURITY |
| | PRUDENTIAL_DATE |
| | PRUDENTIAL_RUNNO |
| | PARTICIPANTID |
| | CASH_SECURITY_ID |

16.3 Table: AUCTION

16.3.1 AUCTION

Name AUCTION

Comment AUCTION holds auction details. AUCTION is new in March 2003 to support SRA Inter-Temporal Linking.

16.3.2 Description

AUCTION is public data, and is available to all participants.

Source

Static.

Volume

4 records per year

16.3.3 Primary Key Columns

Name

AUCTIONID

16.3.4 Index Columns

Name

LASTCHANGED

16.3.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|---------------------------------|
| AUCTIONID | VARCHAR2(30) | X | Unique id for each auction date |
| AUCTIONDATE | DATE | | Auction date |
| NOTIFYDATE | DATE | | |
| STARTDATE | DATE | | Open date for bidding |

| | | | |
|----------------|---------------|--|---------------------------|
| ENDDATE | DATE | | Close date for bidding |
| DESCRIPTION | VARCHAR2(100) | | Description of an auction |
| AUTHORISEDDATE | DATE | | |
| AUTHORISEDBY | VARCHAR2(30) | | |
| LASTCHANGED | DATE | | |

16.4 Table: AUCTION_CALENDAR

16.4.1 AUCTION_CALENDAR

Name AUCTION_CALENDAR

Comment AUCTION_CALENDAR holds the definitions of each auction quarter in a contract year. AUCTION_CALENDAR supports the Settlement Residue Auction.

16.4.2 Description

AUCTION_CALENDAR is public data, and is available to all participants.

Source

Updates are usually quarterly by the SRA team.

Volume

AUCTION_CALENDAR shows a maximum of 16 records per year.

16.4.3 Primary Key Columns

Name

CONTRACTYEAR

QUARTER

16.4.4 Index Columns

Name

LASTCHANGED

16.4.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year |
| QUARTER | NUMBER(1,0) | X | SRA Contracted Quarter |
| STARTDATE | DATE | | First day of SRA Contract Quarter expressed as Date |

| | | | |
|------------------------|------|--|---|
| ENDDATE | DATE | | Last day of SRA Contract Quarter expressed as Date |
| NOTIFYDATE | DATE | | Default notification date |
| PAYMENTDATE | DATE | | Date for payment by Participant |
| RECONCILIATIONDATE | DATE | | Date of reconciliation for the quarter |
| LASTCHANGED | DATE | | Last date and time record changed |
| PRELIMPURCHASESTMTDATE | DATE | | The date the Prelim Purchase Statement is generated |
| PRELIMPROCEEDSSTMTDATE | DATE | | The date the Prelim Proceeds Statement is generated |
| FINALPURCHASESTMTDATE | DATE | | The date the Final Purchase Statement is generated |
| FINALPROCEEDSSTMTDATE | DATE | | The date the Final Proceeds Statement is generated |

16.5 Table: AUCTION_IC_ALLOCATIONS

16.5.1 AUCTION_IC_ALLOCATIONS

| | |
|---------|--|
| Name | AUCTION_IC_ALLOCATIONS |
| Comment | AUCTION_IC_ALLOCATIONS supports the Settlement Residue Auction by providing the basis for setting up contracts for individual tranches. AUCTION_IC_ALLOCATIONS shows the default definitions for the total number of units and proportion applicable to each directional interconnector for a specified auction quarter. |

16.5.2 Description

AUCTION_IC_ALLOCATIONS is public data, and is available to all participants.

Source

Updates are usually quarterly as auctions are held from Settlement Residue Auction team's SRIS interface.

Volume

AUCTION_IC_ALLOCATIONS contains a maximum of 100 records per year.

16.5.3 Primary Key Columns

Name

CONTRACTYEAR

FROMREGIONID

INTERCONNECTORID

QUARTER

VERSIONNO

16.5.4 Index Columns

Name

LASTCHANGED

16.5.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year |
| QUARTER | NUMBER(1,0) | X | SRA Contracted Quarter |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data takes precedence |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector Identifier |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| MAXIMUMUNITS | NUMBER(5,0) | | Number of units on the interconnector |
| PROPORTION | NUMBER(8,5) | | Percentage of the total residue for each Unit |
| AUCTIONFEE | NUMBER(17,5) | | Daily auction fee |
| CHANGEDATE | DATE | | Authorisation date |
| CHANGEDBY | VARCHAR2(15) | | Name of person authorising this data set |
| LASTCHANGED | DATE | | Last date and time record changed |
| AUCTIONFEE_SALES | Number(18,8) | | Fees for Cancelled Units. |

16.6 Table: AUCTION_REVENUE_ESTIMATE

16.6.1 AUCTION_REVENUE_ESTIMATE

| | |
|---------|---|
| Name | AUCTION_REVENUE_ESTIMATE |
| Comment | <p>AUCTION_REVENUE_ESTIMATE supports the Settlement Residue Auction, by holding the evaluator's estimates of revenue for each month of a given quarter.</p> <p>Since reserve prices are no longer applicable from the end of 2001, zero is used as a default to avoid rewriting the system.</p> |

16.6.2 Description

AUCTION_REVENUE_ESTIMATE is public data, and is available to all participants.

Source

Updates are quarterly from SRA team via SRIS interface

Volume

AUCTION_REVENUE_ESTIMATE contains a maximum of 300 records per year.

16.6.3 Primary Key Columns

| |
|------------------|
| Name |
| CONTRACTYEAR |
| FROMREGIONID |
| INTERCONNECTORID |
| MONTHNO |
| QUARTER |
| VALUATIONID |
| VERSIONNO |

16.6.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

16.6.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year |
| QUARTER | NUMBER(1,0) | X | SRA Contracted Quarter |
| VALUATIONID | VARCHAR2(15) | X | Identifier of the estimator |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data will take precedence |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| MONTHNO | NUMBER(1,0) | X | Month number within quarter (1..3) |
| STARTDATE | DATE | | First day of month as date |
| ENDDATE | DATE | | Last day of month as date |
| REVENUE | NUMBER(17,5) | | Estimated Revenue |
| LASTCHANGED | DATE | | Last date and time record changed |

16.7 Table: AUCTION_REVENUE_TRACK

16.7.1 AUCTION_REVENUE_TRACK

| | |
|---------|--|
| Name | AUCTION_REVENUE_TRACK |
| Comment | AUCTION_REVENUE_TRACK supports the Settlement Residue Auction, by holding the tracking information for each evaluator's estimates for a given quarter. The status field is dynamic and is used for selection of estimates to be published. |

16.7.2 Description

AUCTION_REVENUE_TRACK is public data, and is available to all participants.

Source

Updates are quarterly after SRA team updates SRIS interface.

Volume

AUCTION_REVENUE_TRACK contains a maximum of 100 records per year.

16.7.3 Primary Key Columns

Name

CONTRACTYEAR

QUARTER

VALUATIONID

VERSIONNO

16.7.4 Index Columns

Name

LASTCHANGED

16.7.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year |

| | | | |
|----------------|--------------|---|--|
| QUARTER | NUMBER(1,0) | X | SRA Contracted Quarter |
| VALUATIONID | VARCHAR2(15) | X | Identifier of the estimator |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data takes precedence |
| EFFECTIVEDATE | DATE | | Date from which the record change is applicable |
| STATUS | VARCHAR2(10) | | Internal use |
| DOCUMENTREF | VARCHAR2(30) | | Reference to methodology document |
| AUTHORISEDDATE | DATE | | Date of authorisation for this record |
| AUTHORISEDBY | VARCHAR2(15) | | Name of person authorising this record |
| LASTCHANGED | DATE | | Date and time this record was last changed |

16.8 Table: AUCTION_RP_ESTIMATE

16.8.1 AUCTION_RP_ESTIMATE

| | |
|---------|--|
| Name | AUCTION_RP_ESTIMATE |
| Comment | AUCTION_RP_ESTIMATE supports the Settlement Residue Auction, by holding the evaluator's estimates of revenue prices for a given quarter. Since reserve prices are no longer applicable from the end of 2001, zero is used as a default to avoid rewriting the system. |

16.8.2 Description

AUCTION_RP_ESTIMATE is public data, and is available to all participants.

Source

Updates are quarterly by SRA team via SRIS interface.

Volume

This view contains a maximum of 100 records per year.

16.8.3 Primary Key Columns

- Name
- CONTRACTYEAR
- FROMREGIONID
- INTERCONNECTORID
- QUARTER
- VALUATIONID
- VERSIONNO

16.8.4 Index Columns

- Name
- LASTCHANGED

16.8.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year |
| QUARTER | NUMBER(1,0) | X | SRA Contracted Quarter |
| VALUATIONID | VARCHAR2(15) | X | Identifier of the estimator |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data takes precedence |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| RPESTIMATE | NUMBER(17,5) | | Estimate of reserve price |
| LASTCHANGED | DATE | | Last date and time record was changed |

16.9 Table: AUCTION_TRANCHE

16.9.1 AUCTION_TRANCHE

| | |
|---------|--|
| Name | AUCTION_TRANCHE |
| Comment | AUCTION_TRANCHE supports the Settlement Residue Auction, by holding the default definitions for the percentage number of units allocated and dates applicable to each tranche for a specified auction quarter. This information provides the basis for setting up contracts for individual tranches. |

16.9.2 Description

AUCTION_TRANCHE is public data, and is available to all participants.

Source

Updates are quarterly from SRA team via SRIS interface.

Volume

AUCTION_TRANCHE contains a maximum of 100 records per year.

16.9.3 Primary Key Columns

Name
 CONTRACTYEAR
 QUARTER
 TRANCHE
 VERSIONNO

16.9.4 Index Columns

Name
 LASTCHANGED

16.9.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|----------------|--------------|---|--|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year |
| QUARTER | NUMBER(1,0) | X | SRA Contracted Quarter |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data will take precedence |
| TRANCHE | NUMBER(2,0) | X | Label identifying the arbitrary segmented share of the Interconnector flow |
| AUCTIONDATE | DATE | | Default date of the auction |
| NOTIFYDATE | DATE | | Default date participants notified of details |
| UNITALLOCATION | NUMBER(18,8) | | Percentage of units allocated to the tranche |
| CHANGEDATE | DATE | | Date of changing this record |
| CHANGEDBY | VARCHAR2(15) | | Name of person who changed this record |
| LASTCHANGED | DATE | | Date and time record was last changed |

16.10 Table: RESIDUE_BID_TRK

16.10.1 RESIDUE_BID_TRK

Name RESIDUE_BID_TRK

Comment RESIDUE_BID_TRK supports the Settlement Residue Auction, by detailing which bid was used for which SRA Contract run.

16.10.2 Description

Source

RESIDUE_BID_TRK updates are usually quarterly from participants before an Auction.

RESIDUE_BID_TRK data is confidential to the relevant participant.

RESIDUE_BID_TRK excludes contracts and versions without a valid publication date (i.e invalid bids are ignored).

Volume

Assuming monthly contracts, RESIDUE_BID_TRK shows a maximum of 500 records per year.

16.10.3 Primary Key Columns

Name

AUCTIONID

PARTICIPANTID

VERSIONNO

16.10.4 Index Columns

Name

LASTCHANGED

16.10.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
|------|-----------|-----------|---------|

| | | | |
|---------------|--------------|---|--|
| CONTRACTID | VARCHAR2(30) | | SRA Contract unique identifier |
| VERSIONNO | NUMBER(3,0) | X | Version of Bid used |
| PARTICIPANTID | VARCHAR2(10) | X | Identifier of participant |
| BIDLOADDATE | DATE | | Date and time bid used |
| LASTCHANGED | DATE | | Date and time this record was last changed |
| AUCTIONID | VARCHAR2(30) | X | Unique id for each auction date. (new in March 2003 to support SRA Inter-Temporal Linking) |

16.11 Table: RESIDUE_CON_DATA

16.11.1 RESIDUE_CON_DATA

| | |
|---------|--|
| Name | RESIDUE_CON_DATA |
| Comment | RESIDUE_CON_DATA supports the Settlement Residue Auction, by holding for each participant the confidential data from the auction. RESIDUE_CON_DATA joins to RESIDUE_PUBLIC_DATA and RESIDUE_TRK. |

16.11.2 Description

Source

RESIDUE_CON_DATA refreshes whenever a Settlement Residue Auction is run (i.e. quarterly).
RESIDUE_CON_DATA data is confidential to the relevant participant.
RESIDUE_CON_DATA excludes contracts and versions without a valid publication date (i.e invalid bids are ignored).

Volume

RESIDUE_CON_DATA shows a maximum of 6000 records per year.

16.11.3 Primary Key Columns

- Name
- CONTRACTID
- FROMREGIONID
- INTERCONNECTORID
- PARTICIPANTID
- VERSIONNO

16.11.4 Index Columns

- Name
- LASTCHANGED

16.11.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|--|
| CONTRACTID | VARCHAR2(30) | X | SRA Contract unique identifier |
| VERSIONNO | NUMBER(3,0) | X | Contract run version |
| PARTICIPANTID | VARCHAR2(10) | X | Identifier of Contracted Participant |
| INTERCONNECTORID | VARCHAR2(10) | X | Identifier of Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| UNITSPURCHASED | NUMBER(17,5) | | Units purchased on the directional interconnector (i.e. Contracted quantity) |
| LINKPAYMENT | NUMBER(17,5) | | Payment due (i.e. total purchase price) |
| LASTCHANGED | DATE | | Last date and time record changed |
| SECONDARY_UNITS_SOLD | Number(18,8) | | The number of cancelled Units for all Auction Participants. |

16.12 Table: RESIDUE_CON_ESTIMATES_TRK

16.12.1 RESIDUE_CON_ESTIMATES_TRK

| | |
|---------|---|
| Name | RESIDUE_CON_ESTIMATES_TRK |
| Comment | RESIDUE_CON_ESTIMATES_TRK supports the Settlement Residue Auction, by holding the tracking details of the estimates used to generate the reserve price for each contract. |

16.12.2 Description

Source

RESIDUE_CON_ESTIMATES_TRK updates are quarterly by SRA team.

Volume

Assuming monthly contracts, RESIDUE_CON_ESTIMATES_TRK shows a maximum of 50 records per year.

16.12.3 Primary Key Columns

Name
 CONTRACTID
 CONTRACTYEAR
 QUARTER
 VALUATIONID

16.12.4 Index Columns

Name
 LASTCHANGED

16.12.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|---------------------------------------|
| CONTRACTID | VARCHAR2(30) | X | SRA Contract unique identifier |
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in |

| | | | |
|-------------|--------------|---|--|
| | | | week containing 1st January |
| QUARTER | NUMBER(1,0) | X | Contract Quarter |
| VALUATIONID | VARCHAR2(15) | X | Identifier of the estimator |
| VERSIONNO | NUMBER(3,0) | | Version of a record, as nominated by the participant |
| LASTCHANGED | DATE | | Date and time this record was changed |

16.13 Table: RESIDUE_CON_FUNDS

16.13.1 RESIDUE_CON_FUNDS

| | |
|---------|---|
| Name | RESIDUE_CON_FUNDS |
| Comment | RESIDUE_CON_FUNDS supports the Settlement Residue Auction, by holding the fund details for each contract. |

16.13.2 Description

RESIDUE_CON_FUNDS data is public, so is available to all participants.

Source

RESIDUE_CON_FUNDS updates are quarterly from SRA team via SRIS interface.

Volume

Assuming quarterly contracts, RESIDUE_CON_FUNDS contains a maximum of 600 records per year.

16.13.3 Primary Key Columns

Name
 CONTRACTID
 FROMREGIONID
 INTERCONNECTORID

16.13.4 Index Columns

Name
 LASTCHANGED

16.13.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| CONTRACTID | VARCHAR2(30) | X | SRA Contract unique identifier as specified by AEMO |
| INTERCONNECTORID | VARCHAR2(10) | X | Identifier for the Contracted |

| | | | |
|--------------------|--------------|---|---|
| | | | Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| DEFAULTUNITS | NUMBER(5,0) | | Actual number of units allocated based on the auction default percentage for the tranche and the total number of units to be auctioned for this quarter |
| ROLLOVERUNITS | NUMBER(5,0) | | Units reallocated from the previous tranche of this quarter |
| REALLOCATEDUNITS | NUMBER(5,0) | | Units reallocated from the previous tranche of this quarter because they were not taken up by the participant |
| UNITSOFFERED | NUMBER(5,0) | | Total units offered for Contract |
| MEANRESERVEPRICE | NUMBER(9,2) | | Average reserve price calculated from the selected estimates |
| SCALEFACTOR | NUMBER(8,5) | | Scaling factor for regional Frequency control Ancillary Service requirement |
| ACTUALRESERVEPRICE | NUMBER(9,2) | | Actual reserve price |
| LASTCHANGED | DATE | | Last date and time record changed |

16.14 Table: RESIDUE_CONTRACTS

16.14.1 RESIDUE_CONTRACTS

Name RESIDUE_CONTRACTS

Comment RESIDUE_CONTRACTS supports the Settlement Residue Auction, by holding the contract details for each period for which a residue contract will be offered.

16.14.2 Description

RESIDUE_CONTRACTS data is public, so is available to all participants.

Source

RESIDUE_CONTRACTS updates are quarterly by AEMO.

Volume

Assuming quarterly contracts, RESIDUE_CONTRACTS contains a maximum of 50 records per year.

16.14.3 Primary Key Columns

Name

CONTRACTYEAR

QUARTER

TRANCHE

16.14.4 Index Columns

Name

LASTCHANGED

16.14.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|------------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | SRA Contracted Year |
| QUARTER | NUMBER(1,0) | X | SRA Contracted Quarter |

| | | | |
|----------------|--------------|---|--|
| TRANCHE | NUMBER(2,0) | X | Label identifying the arbitrary segmented share of the Interconnector flow |
| CONTRACTID | VARCHAR2(30) | | Unique identifier for each SRA Contract as specified by AEMO |
| STARTDATE | DATE | | SRA Quarter start date |
| ENDDATE | DATE | | SRA Quarter end date |
| NOTIFYDATE | DATE | | Open date of bidding, calculated as RNOTIFYDATE business days before the auction date |
| AUCTIONDATE | DATE | | Close date of bidding, calculated as RAUCDATE business days before the contract start date |
| CALCMETHOD | VARCHAR2(20) | | Identifies methodology used |
| AUTHORISEDDATE | DATE | | Authorisation date for this record |
| AUTHORISEDBY | VARCHAR2(15) | | Name of authorising officer or process |
| NOTIFYPOSTDATE | DATE | | Date notification posted |
| NOTIFYBY | VARCHAR2(15) | | Name of notifying person |
| POSTDATE | DATE | | Date of publishing the auction results |
| POSTEDBY | VARCHAR2(15) | | Name of publishing officer or process |
| LASTCHANGED | DATE | | Last date and time record changed |
| DESCRIPTION | VARCHAR2(80) | | Description of Contract |
| AUCTIONID | VARCHAR2(30) | | Unique id for each auction date (new in March 2003 to support SRA Inter-Temporal Linking) |

16.15 Table: RESIDUE_FUNDS_BID

16.15.1 RESIDUE_FUNDS_BID

Name RESIDUE_FUNDS_BID

Comment RESIDUE_FUNDS_BID supports the Settlement Residue Auction, by showing the fund details for each SRA bid by each Participant.

16.15.2 Description

Source

Participant's bid file.

RESIDUE_FUNDS_BID data is confidential to the relevant participant. RESIDUE_FUNDS_BID shows a maximum of 30,000 records per year.

16.15.3 Primary Key Columns

Name

CONTRACTID

FROMREGIONID

INTERCONNECTORID

LOADDATE

OPTIONID

PARTICIPANTID

16.15.4 Index Columns

Name

LASTCHANGED

16.15.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
|------|-----------|-----------|---------|

| | | | |
|------------------|--------------|---|--|
| CONTRACTID | VARCHAR2(30) | X | SRA Contract identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| LOADDATE | DATE | X | Date and time the batcher loaded the SRA offer |
| OPTIONID | NUMBER(3,0) | X | Unique option identifier (1..20) |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector Identifier |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| UNITS | NUMBER(5,0) | | Quantity of units bid for |
| LASTCHANGED | DATE | | Last date and time record changed |

16.16 Table: RESIDUE_PRICE_BID

16.16.1 RESIDUE_PRICE_BID

Name RESIDUE_PRICE_BID

Comment RESIDUE_PRICE_BID supports the Settlement Residue Auction, holding the unit and bid price details for each participant.

16.16.2 Description

Source

The participant's own bid file

RESIDUE_PRICE_BID data is confidential to the relevant participant.

The public version of the data is available to all auction participants post the associated auction date in RESIDUE_PRICE_FUNDS_BID.

Volume

RESIDUE_PRICE_BID shows a maximum of 10,000 records per year.

16.16.3 Primary Key Columns

Name

AUCTIONID

LOADDATE

OPTIONID

PARTICIPANTID

16.16.4 Index Columns

Name

LASTCHANGED

16.16.5 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|---------------|--------------|-----|---|
| CONTRACTID | VARCHAR2(30) | | Not to be used. Unique id for each SRA contract (specified by AEMO) |
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| LOADDATE | DATE | X | Date and Time the batcher loaded the bid |
| OPTIONID | NUMBER(3,0) | X | Unique option (bid) identifier (1..800) |
| BIDPRICE | NUMBER(17,5) | | Price offered for each unit |
| LASTCHANGED | DATE | | Date and time this record was last changed |
| AUCTIONID | VARCHAR2(30) | X | Unique id for each auction date (new in March 2003 to support SRA Inter-Temporal Linking) |

16.17 Table: RESIDUE_PRICE_FUNDS_BID

16.17.1 RESIDUE_PRICE_FUNDS_BID

| | |
|---------|--|
| Name | RESIDUE_PRICE_FUNDS_BID |
| Comment | RESIDUE_PRICE_FUNDS_BID shows the bids producing the auction outcome, without exposing participant-specific details. RESIDUE_PRICE_FUNDS_BID is new in March 2003 to support SRA Inter-Temporal Linking. |

16.17.2 Description

RESIDUE_PRICE_FUNDS_BID data is public. The data is available to all auction participants post the associated auction date.

Volume

The volume is very dependent on the number of active bids. An indication is about 250,000 per year.

16.17.3 Primary Key Columns

Name

AUCTIONID

CONTRACTID

FROMREGIONID

INTERCONNECTORID

LINKEDBIDFLAG

16.17.4 Index Columns

Name

LASTCHANGED

16.17.5 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|--|
| CONTRACTID | VARCHAR2(30) | X | Unique id for each contract specified by |

| | | | |
|------------------|--------------|---|---|
| | | | AEMO |
| INTERCONNECTORID | VARCHAR2(10) | X | Unique interconnector identifier |
| FROMREGIONID | VARCHAR2(10) | X | Unique region identifier |
| UNITS | NUMBER(5,0) | | Quantity of units bid |
| BIDPRICE | NUMBER(17,5) | | Price bid for each unit |
| LINKEDBIDFLAG | NUMBER(6,0) | X | A unique option id, with respect to the auction, created to show which bid elements are linked. |
| AUCTIONID | VARCHAR2(30) | X | Unique id for each auction date |
| LASTCHANGED | DATE | | Date and time this record was last changed |

16.18 Table: RESIDUE_PUBLIC_DATA

16.18.1 RESIDUE_PUBLIC_DATA

| | |
|---------|---|
| Name | RESIDUE_PUBLIC_DATA |
| Comment | RESIDUE_PUBLIC_DATA shows the public auction results. RESIDUE_PUBLIC_DATA supports the Settlement Residue Auction, by holding the public details of the auction for a given contract. RESIDUE_PUBLIC_DATA joins to RESIDUE_CON_DATA and RESIDUE. |

16.18.2 Description

RESIDUE_PUBLIC_DATA excludes contracts and versions without a valid publication date (i.e. invalid bids are ignored).

The data is available to all auction participants post the associated auction date.

Source

RESIDUE_PUBLIC_DATA updates are quarterly from NEMMCO.

Volume

RESIDUE_PUBLIC_DATA shows a maximum of 120 records per year.

16.18.3 Primary Key Columns

| |
|------------------|
| Name |
| CONTRACTID |
| FROMREGIONID |
| INTERCONNECTORID |
| VERSIONNO |

16.18.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

16.18.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTID | VARCHAR2(30) | X | Unique id for each contract to be specified by AEMO |
| VERSIONNO | NUMBER(3,0) | X | Version Number |
| INTERCONNECTORID | VARCHAR2(10) | X | Unique interconnector identifier |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| UNITSOFFERED | NUMBER(5,0) | | Total units offered for auction |
| UNITSSOLD | NUMBER(16,6) | | Units Sold (modified format and usage in March 2003 to support SRA Inter-Temporal Linking) |
| CLEARINGPRICE | NUMBER(17,5) | | Clearing price |
| RESERVEPRICE | NUMBER(17,5) | | Reserve price |
| LASTCHANGED | DATE | | Date and time this record was last changed |

16.19 Table: RESIDUE_TRK

16.19.1 RESIDUE_TRK

Name RESIDUE_TRK

Comment RESIDUE_TRK supports the Settlement Residue Auction, by showing the tracking records for different residue auction runs. RESIDUE_TRK joins to RESIDUE_PUBLIC_DATA and RESIDUE_CON_DATA.

16.19.2 Description

Source

RESIDUE_TRK updates whenever Settlement Residue Auctions are run and the results published (i.e. quarterly).

The RESIDUE_TRK data is available to all participants post the associated auction date.

Volume

Assuming quarterly contracts, RESIDUE_TRK shows a maximum of 50 records per year.

16.19.3 Primary Key Columns

Name
AUCTIONID
VERSIONNO

16.19.4 Index Columns

Name
LASTCHANGED

16.19.5 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|-------------------------|
| CONTRACTID | VARCHAR2(30) | | SRA Contract identifier |
| VERSIONNO | NUMBER(3,0) | X | Contract run version |

| | | | |
|----------------|--------------|---|--|
| RUNDATE | DATE | | Date auction results determined |
| AUTHORISEDDATE | DATE | | Date results published |
| AUTHORISEDBY | VARCHAR2(15) | | Authorising officer or process |
| POSTDATE | DATE | | Date the run is authorised |
| POSTEDBY | VARCHAR2(15) | | Name of authorising officer or process |
| LASTCHANGED | DATE | | Last date and time record changed |
| STATUS | VARCHAR2(15) | | Load status [SUCCESSFUL/CORRUPT] |
| AUCTIONID | VARCHAR2(30) | X | Unique id for each auction date. (new in March 2003 to support SRA Inter-Temporal Linking) |

16.20 Table: RESIDUECONTRACTPAYMENTS

16.20.1 RESIDUECONTRACTPAYMENTS

| | |
|---------|---|
| Name | RESIDUECONTRACTPAYMENTS |
| Comment | RESIDUECONTRACTPAYMENTS shows Settlement Residue Auction payment Participant notifications. |

16.20.2 Description

RESIDUECONTRACTPAYMENTS data is confidential to the relevant participant.

16.20.3 Primary Key Columns

| |
|---------------|
| Name |
| CONTRACTID |
| PARTICIPANTID |

16.20.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

16.20.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| CONTRACTID | VARCHAR2(30) | X | SRA Contract ID |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| LASTCHANGED | DATE | | Date and time this record was last changed |

16.21 Table: RESIDUEFILETRK

16.21.1 RESIDUEFILETRK

| | |
|---------|---|
| Name | RESIDUEFILETRK |
| Comment | RESIDUEFILETRK records all Settlement Residue Auction offers submitted by participants. |

16.21.2 Description

RESIDUEFILETRK data is confidential to each participant

Source

RESIDUEFILETRK updates are ad hoc from participants

Volume

Assuming quarterly contracts RESIDUEFILETRK contains a maximum of 5,000 records per annum.

Each bid file can contain many bids for each auction. Participants can input multiple bids (with the last acknowledged file being used in the auction).

16.21.3 Primary Key Columns

Name
 AUCTIONID
 LOADDATE
 PARTICIPANTID

16.21.4 Index Columns

Name
 LASTCHANGED

16.21.5 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|----------------|
| CONTRACTID | VARCHAR2(30) | | SRA ContractID |

| | | | |
|---------------|--------------|---|--|
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| LOADDATE | DATE | X | Date-Time SRA offer was loaded |
| FILENAME | VARCHAR2(40) | | SRA offer file name |
| ACKFILENAME | VARCHAR2(40) | | SRA acknowledgment file name |
| STATUS | VARCHAR2(10) | | Load status [SUCCESSFUL/CORRUPT] |
| LASTCHANGED | DATE | | Last date and time record changed |
| AUCTIONID | VARCHAR2(30) | X | Unique id for each auction date. (new in March 2003 to support SRA Inter-Temporal Linking) |

16.22 Table: SRA_CASH_SECURITY

16.22.1 SRA_CASH_SECURITY

| | |
|---------|--|
| Name | SRA_CASH_SECURITY |
| Comment | Records the Cash Security details provided by an SRA Auction Participant as collateral to cover their Trading Position in the SRA market |

16.22.2 Primary Key Columns

| | |
|------|------------------|
| Name | CASH_SECURITY_ID |
|------|------------------|

16.22.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|--|
| CASH_SECURITY_ID | VARCHAR2(36) | X | Unique identifier for the cash security. |
| PARTICIPANTID | VARCHAR2(10) | | Unique identifier for the auction participant lodging the cash security. |
| PROVISION_DATE | DATE | | Date AEMO received the Cash Security deposit |
| CASH_AMOUNT | NUMBER(18,8) | | Dollar amount of the cash security. |
| INTEREST_ACCT_ID | VARCHAR2(20) | | The interest account ID for calculating the interest payment |
| AUTHORISEDDATE | DATE | | Authorised date |
| FINALRETURNDATE | DATE | | Date the entire Cash Security amount was returned to the Auction Participant |
| CASH_SECURITY_RETURNED | NUMBER(18,8) | | Returned Dollar amount of the Cash Security. |
| DELETIONDATE | DATE | | Cash Security deleted date. For valid records, DeletionDate will be Null. |
| LASTCHANGED | DATE | | The date and time this record was last modified |

16.23 Table: SRA_FINANCIAL_AUC_MARDETAIL

16.23.1 SRA_FINANCIAL_AUC_MARDETAIL

Name SRA_FINANCIAL_AUC_MARDETAIL

Comment This table stores details of the margins returned to the participants.

16.23.2 Primary Key Columns

Name

CASH_SECURITY_ID

PARTICIPANTID

SRA_QUARTER

SRA_RUNNO

SRA_YEAR

16.23.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| SRA_YEAR | NUMBER(4) | X | Year of the Tranche |
| SRA_QUARTER | NUMBER(3) | X | Relevant Quarter of the Tranche |
| SRA_RUNNO | NUMBER(3) | X | SRA Run Number |
| PARTICIPANTID | VARCHAR2(10) | X | The participant identifier. |
| CASH_SECURITY_ID | VARCHAR2(36) | X | Unique identifier for the cash security. |
| RETURNED_AMOUNT | NUMBER(18,8) | | The amount returned to the Auction participant from this cash security. |
| RETURNED_INTEREST | NUMBER(18,8) | | The amount of interest applicable to the returned amount. |

16.24 Table: SRA_FINANCIAL_AUC_MARGIN

16.24.1 SRA_FINANCIAL_AUC_MARGIN

| | |
|---------|--|
| Name | SRA_FINANCIAL_AUC_MARGIN |
| Comment | Records the amount of Cash Security required to be held by an Auction Participant after settlement |

16.24.2 Primary Key Columns

| |
|---------------|
| Name |
| PARTICIPANTID |
| SRA_QUARTER |
| SRA_RUNNO |
| SRA_YEAR |

16.24.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------------------|--------------|-----------|--|
| SRA_YEAR | NUMBER(4) | X | Year of the Tranche |
| SRA_QUARTER | NUMBER(3) | X | Relevant Quarter of the Tranche |
| SRA_RUNNO | NUMBER(3) | X | SRA Run Number |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier. |
| TOTAL_CASH_SECURITY | NUMBER(18,8) | | Total cash security held by the participant. |
| REQUIRED_MARGIN | NUMBER(18,8) | | The amount of trading cash security required to be held by the participant after settlement. |
| RETURNED_MARGIN | NUMBER(18,8) | | The amount of cash security returned to the participant. |
| RETURNED_MARGIN_INTEREST | NUMBER(18,8) | | The amount of interest applicable to returned cash security amounts. |

16.25 Table: SRA_FINANCIAL_AUC_RECEIPTS

16.25.1 SRA_FINANCIAL_AUC_RECEIPTS

Name SRA_FINANCIAL_AUC_RECEIPTS
 Comment Records details of the Cancelled Units and their value for the Auction Participant

16.25.2 Primary Key Columns

Name
 CONTRACTID
 FROMREGIONID
 INTERCONNECTORID
 PARTICIPANTID
 SRA_QUARTER
 SRA_RUNNO
 SRA_YEAR

16.25.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| SRA_YEAR | NUMBER(4) | X | Year of the Tranche |
| SRA_QUARTER | NUMBER(3) | X | Relevant Quarter of the Tranche |
| SRA_RUNNO | NUMBER(3) | X | SRA Run Number |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | The identifier for the Directional Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | The source region identifier for the Directional Interconnector |
| CONTRACTID | VARCHAR2(10) | X | The SRA contract identifier |
| UNITS_PURCHASED | NUMBER(18,8) | | The number of units purchased |

| | | | |
|-----------------|--------------|--|--|
| CLEARING_PRICE | NUMBER(18,8) | | The clearing price of the auction |
| RECEIPT_AMOUNT | NUMBER(18,8) | | The payment amount owed to AEMO |
| LASTCHANGED | DATE | | The last changed date for the record |
| PROCEEDS_AMOUNT | NUMBER(18,8) | | Dollar value of Cancelled Units in the Auction for the Auction Participant |
| UNITS_SOLD | NUMBER(18,8) | | Units cancelled in the auction by the Auction participant. |

16.26 Table: SRA_FINANCIAL_AUCPAY_DETAIL

16.26.1 SRA_FINANCIAL_AUCPAY_DETAIL

| | |
|---------|--|
| Name | SRA_FINANCIAL_AUCPAY_DETAIL |
| Comment | Records details of the SRA financial auction payment |

16.26.2 Primary Key Columns

| |
|------------------|
| Name |
| CONTRACTID |
| FROMREGIONID |
| INTERCONNECTORID |
| PARTICIPANTID |
| SRA_QUARTER |
| SRA_RUNNO |
| SRA_YEAR |

16.26.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| SRA_YEAR | NUMBER(4) | X | Year of the Tranche |
| SRA_QUARTER | NUMBER(3) | X | Relevant Quarter of the Tranche |
| SRA_RUNNO | NUMBER(3) | X | SRA Run Number |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | The identifier for the Directional Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | The source Region identifier for the Directional Interconnector |
| CONTRACTID | VARCHAR2(10) | X | The SRA contract identifier |
| MAXIMUM_UNITS | NUMBER(18,8) | | The Maximum Units Available for |

| | | | |
|--------------------|--------------|--|---|
| | | | purchase in the Auction |
| UNITS_SOLD | NUMBER(18,8) | | The total number of Allocated Units in the Auction, including Cancelled Units by an Auction Participant |
| SHORTFALL_UNITS | NUMBER(18,8) | | The total number of units unpaid for in the auction |
| RESERVE_PRICE | NUMBER(18,8) | | The reserve price of the auction |
| CLEARING_PRICE | NUMBER(18,8) | | The Market Clearing Price of the Auction |
| PAYMENT_AMOUNT | NUMBER(18,8) | | The payment amount owed by AEMO before shortfall |
| SHORTFALL_AMOUNT | NUMBER(18,8) | | The shortfall amount |
| ALLOCATION | NUMBER(18,8) | | The percentage of the auction proceeds allocated to the TNSP on the directional link |
| NET_PAYMENT_AMOUNT | NUMBER(18,8) | | The payment amount owed by AEMO, including shortfall |
| LASTCHANGED | DATE | | The date and time this record was last modified |

16.27 Table: SRA_FINANCIAL_AUCPAY_SUM

16.27.1 SRA_FINANCIAL_AUCPAY_SUM

| | |
|---------|---|
| Name | SRA_FINANCIAL_AUCPAY_SUM |
| Comment | Records a summary of the Auction payment amount |

16.27.2 Primary Key Columns

| |
|---------------|
| Name |
| PARTICIPANTID |
| SRA_QUARTER |
| SRA_RUNNO |
| SRA_YEAR |

16.27.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------------|--------------|-----------|--|
| SRA_YEAR | NUMBER(4) | X | Year of the Tranche |
| SRA_QUARTER | NUMBER(3) | X | Relevant Quarter of the Tranche |
| SRA_RUNNO | NUMBER(3) | X | SRA Run Number |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| GROSS_PROCEEDS_AMOUNT | NUMBER(18,8) | | The total auction proceeds allocated to the TNSP |
| TOTAL_GROSS_PROCEEDS_AMOUNT | NUMBER(18,8) | | The total auction proceeds allocated to all TNSPs in the SRA quarter |
| SHORTFALL_AMOUNT | NUMBER(18,8) | | The shortfall amount for in the SRA Quarter for the TNSP |
| TOTAL_SHORTFALL_AMOUNT | NUMBER(18,8) | | The total shortfall amount for in the SRA Quarter for all TNSPs |
| NET_PAYMENT_AMOUNT | NUMBER(18,8) | | The net payment amount owed by AEMO to the TNSP |

| | | | |
|-------------|------|--|---|
| LASTCHANGED | DATE | | The date and time this record was last modified |
|-------------|------|--|---|

16.28 Table: SRA_FINANCIAL_RUNTRK

16.28.1 SRA_FINANCIAL_RUNTRK

| | |
|---------|--|
| Name | SRA_FINANCIAL_RUNTRK |
| Comment | Records details of the settlement process for the cancellation and purchase of SRA Auction Units |

16.28.2 Primary Key Columns

| |
|-------------|
| Name |
| SRA_QUARTER |
| SRA_RUNNO |
| SRA_YEAR |

16.28.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|---|
| SRA_YEAR | NUMBER(4) | X | Year of the Tranche |
| SRA_QUARTER | NUMBER(3) | X | Relevant Quarter of the Tranche |
| SRA_RUNNO | NUMBER(3) | X | SRA Run Number |
| RUNTYPE | VARCHAR2(20) | | The type of SRA run |
| RUNDATE | DATE | | The date and time the run was triggered |
| POSTEDDATE | DATE | | The date/time the run was posted |
| INTEREST_VERSIONNO | NUMBER(3) | | Version number of the interest component used in the payments run |
| MAKEUP_VERSIONNO | NUMBER(3) | | Version number of the makeup component used in the makeup run |
| LASTCHANGED | DATE | | The date and time this record was last modified |

16.29 Table: SRA_OFFER_PRODUCT

16.29.1 SRA_OFFER_PRODUCT

| | |
|---------|--|
| Name | SRA_OFFER_PRODUCT |
| Comment | Holds the Product details for each Offer File submitted by each SRA Auction Participant. |

16.29.2 Primary Key Columns

| |
|---------------|
| Name |
| AUCTIONID |
| LOADDATE |
| OPTIONID |
| PARTICIPANTID |

16.29.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| AUCTIONID | VARCHAR2(30) | X | Unique ID for each Auction date |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| LOADDATE | DATE | X | The date and time the system loaded the SRA Offer File |
| OPTIONID | NUMBER(4) | X | Unique Product identifier (1 - 2000) |
| INTERCONNECTORID | VARCHAR2(10) | | Unique Directional Interconnector identifier |
| FROMREGIONID | VARCHAR2(10) | | The source Region identifier for the Directional Interconnector |
| OFFER_QUANTITY | NUMBER(5) | | The Offer quantity for this Product |
| OFFER_PRICE | NUMBER(18,8) | | The Offer price for this Product |
| TRANCHEID | VARCHAR2(30) | | Tranche identifier |
| LASTCHANGED | DATE | | The date and time this record was last |

| | | | |
|--|--|--|----------|
| | | | modified |
|--|--|--|----------|

16.30 Table: SRA_OFFER_PROFILE

16.30.1 SRA_OFFER_PROFILE

Name SRA_OFFER_PROFILE

Comment Holds the data of an SRA Auction Participant Offer Submission.

16.30.2 Primary Key Columns

Name

AUCTIONID

LOADDATE

PARTICIPANTID

16.30.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|---------------|-----------|--|
| AUCTIONID | VARCHAR2(30) | X | Unique ID for each Auction date |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| LOADDATE | DATE | X | The date and time the system loaded the SRA Offer File |
| FILENAME | VARCHAR2(40) | | SRA Offer File name |
| ACKFILENAME | VARCHAR2(40) | | SRA acknowledgment file name |
| TRANSACTIONID | VARCHAR2(100) | | Transaction ID used for tracking |
| LASTCHANGED | DATE | | The date and time this record was last modified |

16.31 Table: SRA_PRUDENTIAL_CASH_SECURITY

16.31.1 SRA_PRUDENTIAL_CASH_SECURITY

| | |
|---------|--|
| Name | SRA_PRUDENTIAL_CASH_SECURITY |
| Comment | Records the Cash Security details provided by an SRA Auction Participant as collateral to cover their Trading Position in the SRA market |

16.31.2 Primary Key Columns

Name

CASH_SECURITY_ID

PARTICIPANTID

PRUDENTIAL_DATE

PRUDENTIAL_RUNNO

16.31.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|---|
| PRUDENTIAL_DATE | DATE | X | The prudential date of the run. |
| PRUDENTIAL_RUNNO | NUMBER(8) | X | The run number for the prudential date |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier for the Auction Participant lodging the Cash Security |
| CASH_SECURITY_ID | VARCHAR2(36) | X | Unique identifier for the cash security. |
| CASH_SECURITY_AMOUNT | NUMBER(18,8) | | Remaining Cash Security deposit available |

16.32 Table: SRA_PRUDENTIAL_COMP_POSITION

16.32.1 SRA_PRUDENTIAL_COMP_POSITION

| | |
|---------|---|
| Name | SRA_PRUDENTIAL_COMP_POSITION |
| Comment | The prudential position of each company at the date and time of a specific prudential run |

16.32.2 Primary Key Columns

| |
|------------------|
| Name |
| PARTICIPANTID |
| PRUDENTIAL_DATE |
| PRUDENTIAL_RUNNO |

16.32.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------------------|--------------|-----------|--|
| PRUDENTIAL_DATE | DATE | X | The prudential date of the run. |
| PRUDENTIAL_RUNNO | NUMBER(8) | X | The run number for the prudential date |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| TRADING_LIMIT | NUMBER(18,8) | | The Trading Limit of the company at the time of the prudential run |
| PRUDENTIAL_EXPOSURE_AMOUNT | NUMBER(18,8) | | Current Prudential Exposure of the Auction Participant including Offers |
| TRADING_MARGIN | NUMBER(18,8) | | The amount of Trading Margin available to the Auction Participant to trade (including Offered Units and Cancelled Units). Equal to TRADING_LIMIT minus PRUDENTIAL_EXPOSURE_AMOUNT. |

16.33 Table: SRA_PRUDENTIAL_EXPOSURE

16.33.1 SRA_PRUDENTIAL_EXPOSURE

| | |
|---------|--|
| Name | SRA_PRUDENTIAL_EXPOSURE |
| Comment | Records details of the Prudential Exposure of an SRA Auction Participant |

16.33.2 Primary Key Columns

Name

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

PRUDENTIAL_DATE

PRUDENTIAL_RUNNO

SRA_QUARTER

SRA_YEAR

16.33.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| PRUDENTIAL_DATE | DATE | X | The prudential date of the run. |
| PRUDENTIAL_RUNNO | NUMBER(8) | X | The run number for the prudential date. |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| SRA_YEAR | NUMBER(4) | X | AEMO Contract Year number starting the week beginning 1 January |
| SRA_QUARTER | NUMBER(3) | X | Contract Relevant Quarter |
| INTERCONNECTORID | VARCHAR2(10) | X | The identifier for the Directional Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | The source Region identifier for the Directional Interconnector |

| | | | |
|----------------------------|--------------|--|--|
| MAX_TRANCHE | NUMBER(2) | | The largest Tranche where the Unit was either sold or offered. Used in the calculation of the Average Purchase Price for the Trading Position of the Product. The most recent Tranche where Units were cancelled or offered (if the Offer is below the Average Purchase Price) |
| AUCTIONID | VARCHAR2(30) | | Unique identifier for the Auction having the Offer. Has a null value when no Offer is made for the Relevant Quarter |
| OFFER_SUBMISSIONTIME | DATE | | Timestamp of the Offer File submitted by the Auction Participant. Has a null value when no Offer is made for the Relevant Quarter |
| AVERAGE_PURCHASE_PRICE | NUMBER(18,8) | | Calculated Average Purchase Price for the Product |
| AVERAGE_CANCELLATION_PRICE | NUMBER(18,8) | | Calculated average cancellation price for product. |
| CANCELLATION_VOLUME | NUMBER(18,8) | | Calculated cancellation volume for product. |
| TRADING_POSITION | NUMBER(18,8) | | Calculated trading position for product. |

16.34 Table: SRA_PRUDENTIAL_RUN

16.34.1 SRA_PRUDENTIAL_RUN

Name SRA_PRUDENTIAL_RUN

Comment Records the prudential run details for each prudential date

16.34.2 Primary Key Columns

Name

PRUDENTIAL_DATE

PRUDENTIAL_RUNNO

16.34.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|-----------|-----------|---------------------------------------|
| PRUDENTIAL_DATE | DATE | X | The prudential date of the run. |
| PRUDENTIAL_RUNNO | NUMBER(8) | X | The prudential run number for the run |

16.35 Table: VALUATIONID

16.35.1 VALUATIONID

| | |
|---------|--|
| Name | VALUATIONID |
| Comment | VALUATIONID shows the identifiers and descriptions of the valuers submitting estimates of upcoming settlement residues. VALUATIONID supports the Settlement Residue Auction. |

16.35.2 Description

VALUATIONID is public data, and is available to all participants.

Source

VALUATIONID updates are quarterly from the Settlement Residues Information System [SRIS].

Volume

VALUATIONID shows up to five (5) records. Updates are rare.

16.35.3 Primary Key Columns

| | |
|------|-------------|
| Name | VALUATIONID |
|------|-------------|

16.35.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

16.35.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|--|
| VALUATIONID | VARCHAR2(15) | X | Identifier of the estimator |
| DESCRIPTION | VARCHAR2(80) | | Full name of estimator |
| LASTCHANGED | DATE | | Timestamp of record creation or modification |

17 Package: MARKET_CONFIG

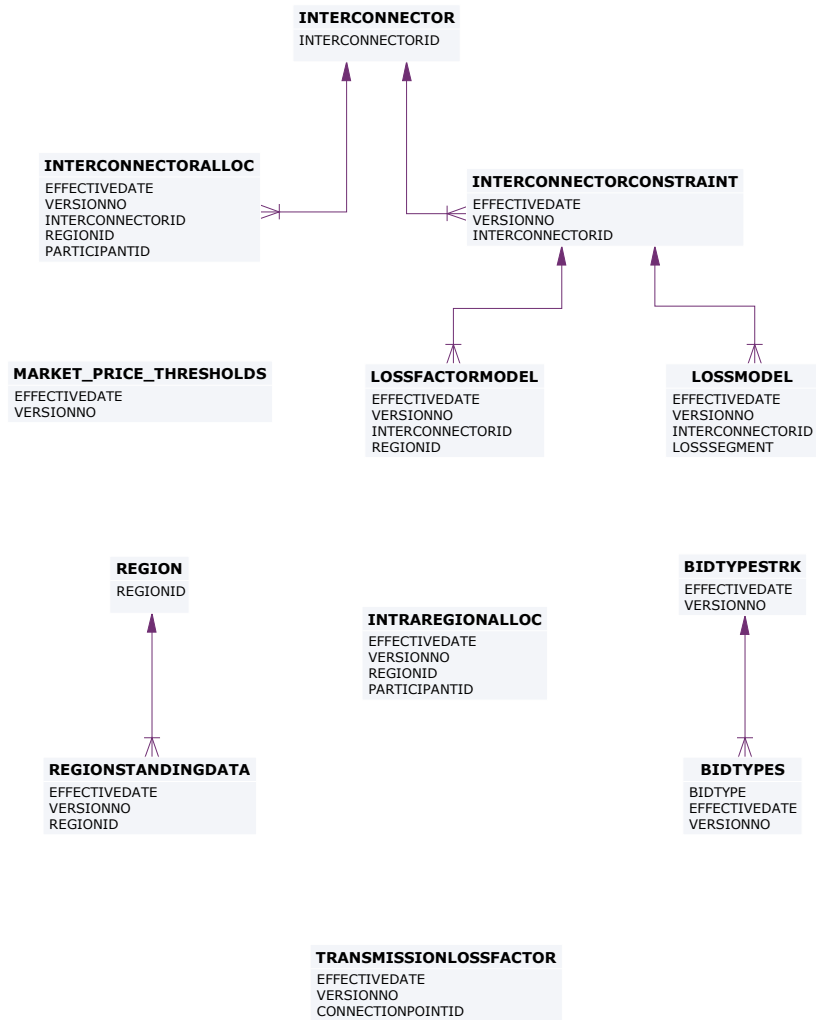
| | |
|----------------|------------------------------|
| <i>Name</i> | MARKET_CONFIG |
| <i>Comment</i> | Standing data for the market |

17.1 List of tables

| Name | Comment |
|--------------------------|---|
| BIDTYPES | BIDTYPES, together with the associated tracking data in BIDTYPESTRK, define a set of ancillary services with bidding parameters from a given date. BIDTYPES is static data describing each type of bid quantity, the number of applicable bands, how many days ahead a price lock down becomes effective and the validation rule that applies. |
| BIDTYPESTRK | BIDTYPESTRK, together with the associated data in BIDTYPES, define a set of ancillary services with bidding parameters from a given date. |
| INTERCONNECTOR | INTERCONNECTOR sets out valid identifiers for each interconnector. |
| INTERCONNECTORALLOC | INTERCONNECTORALLOC shows allocations of interconnector residues to Network Service Providers. |
| INTERCONNECTORCONSTRAINT | INTERCONNECTORCONSTRAINT sets out Interconnector limit data used as defaults in dispatch, pre-dispatch and STPASA and used by SPD in calculating flows. INTERCONNECTORCONSTRAINT includes an additional field to restrict an interconnector from support transfer of FCAS. |
| INTRAREGIONALLOC | INTRAREGIONALLOC shows allocations of intra-regional residues to participants. |
| LOSSFACTORMODEL | LOSSFACTORMODEL sets out the demand coefficients for each interconnector, used by LP Solver modelling of interconnector flows. |
| LOSSMODEL | LOSSMODEL sets out segment breakpoints in loss model for each interconnector, used by LP Solver modelling of interconnector flows. |
| MARKET_PRICE_THRESHOLDS | MARKET_PRICE_THRESHOLDS sets out the market cap, floor and administered price thresholds applying to the electricity market |

| | |
|------------------------|--|
| REGION | REGION sets out valid region IDs. |
| REGIONSTANDINGDATA | REGIONSTANDINGDATA sets out standing region data including the region reference node. |
| TRANSMISSIONLOSSFACTOR | TRANSMISSIONLOSSFACTOR shows the Transmission Loss factors applied at each connection point. |

17.2 Diagram: Entities: Market Standing Data



17.3 Table: BIDTYPES

17.3.1 BIDTYPES

| | |
|---------|--|
| Name | BIDTYPES |
| Comment | <p>BIDTYPES, together with the associated tracking data in BIDTYPESTRK, define a set of ancillary services with bidding parameters from a given date.</p> <p>BIDTYPES is static data describing each type of bid quantity, the number of applicable bands, how many days ahead a price lock down becomes effective and the validation rule that applies.</p> |

17.3.2 Description

BIDTYPES is public to participants

Source

BIDTYPES updates when the static data relating to an ancillary service type is modified.

Volume

Expect modifications to be rare. Allow for approximately 20 records per year.

17.3.3 Primary Key Columns

Name
 BIDTYPE
 EFFECTIVEDATE
 VERSIONNO

17.3.4 Index Columns

Name
 LASTCHANGED

17.3.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|--------------------------|--------------|---|--|
| BIDTYPE | VARCHAR2(10) | X | Bid Type Identifier |
| EFFECTIVEDATE | DATE | X | Market date starting at 04:30 inclusive |
| VERSIONNO | NUMBER(3,0) | X | Record version number |
| DESCRIPTION | VARCHAR2(64) | | Description of this Bid Type |
| NUMBEROFBANDS | NUMBER(3,0) | | Number of active bands (1 to 10) |
| NUMDAYS AheadPRICELOCKED | NUMBER(2,0) | | Number of days prior to the Market Day when prices are locked from 12:30pm |
| VALIDATIONRULE | VARCHAR2(10) | | ENERGY or AS validation rules to apply. |
| LASTCHANGED | DATE | | Last date and time record changed |
| SPDALIAS | VARCHAR2(10) | | Alias for this BIDTYPE used in the SPD Solver |

17.4 Table: BIDTYPESTRK

17.4.1 BIDTYPESTRK

| | |
|---------|---|
| Name | BIDTYPESTRK |
| Comment | BIDTYPESTRK, together with the associated data in BIDTYPES, define a set of ancillary services with bidding parameters from a given date. |

17.4.2 Description

BIDTYPESTRK is public to participants

Source

BIDTYPESTRK updates when the static data relating to an ancillary service type is modified.

Volume

Expect modifications to be rare. Allow for approximately 20 records per year.

17.4.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| VERSIONNO |

17.4.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

17.4.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Market date starting at 04:30 inclusive |
| VERSIONNO | NUMBER(3,0) | X | Record version number |
| AUTHORISEDDATE | DATE | | Date of record authorisation. A NULL value indicates the record is not authorised. |

| | | | |
|---------------|--------------|--|---|
| AUTHORISED BY | VARCHAR2(15) | | User that authorised record. A NULL value indicates the record is not authorised. |
| LASTCHANGED | DATE | | Last date and time record changed |

17.5 Table: INTERCONNECTOR

17.5.1 INTERCONNECTOR

Name INTERCONNECTOR

Comment INTERCONNECTOR sets out valid identifiers for each interconnector.

17.5.2 Description

INTERCONNECTOR is public data, available to all participants.

Source

INTERCONNECTOR changes infrequently, usually annually.

17.5.3 Primary Key Columns

Name

INTERCONNECTORID

17.5.4 Index Columns

Name

LASTCHANGED

17.5.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|-------------------------------------|
| INTERCONNECTORID | VARCHAR2(10) | X | Unique Id of this interconnector |
| REGIONFROM | VARCHAR2(10) | | Starting region of the interconnect |
| RSOID | VARCHAR2(10) | | Not used |
| REGIONTO | VARCHAR2(10) | | Ending region of the interconnect |
| DESCRIPTION | VARCHAR2(64) | | Description of interconnector |

| | | | |
|-------------|------|--|-----------------------------------|
| LASTCHANGED | DATE | | Last date and time record changed |
|-------------|------|--|-----------------------------------|

17.6 Table: INTERCONNECTORALLOC

17.6.1 INTERCONNECTORALLOC

| | |
|---------|--|
| Name | INTERCONNECTORALLOC |
| Comment | INTERCONNECTORALLOC shows allocations of interconnector residues to Network Service Providers. |

17.6.2 Description

INTERCONNECTORALLOC data is confidential to the relevant participant.

Source

INTERCONNECTORALLOC changes infrequently, typically annually.

17.6.3 Primary Key Columns

Name

EFFECTIVEDATE

INTERCONNECTORID

PARTICIPANTID

REGIONID

VERSIONNO

17.6.4 Index Columns

Name

LASTCHANGED

17.6.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-----------|-----------|--------------------------------------|
| EFFECTIVEDATE | DATE | X | Effective Date of Allocation Details |

| | | | |
|------------------|--------------|---|---|
| VERSIONNO | NUMBER(5,0) | X | Version No in respect to effective date |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| ALLOCATION | NUMBER(12,5) | | Allocation % / 100 |
| LASTCHANGED | DATE | | Last date and time record changed |

17.7 Table: INTERCONNECTORCONSTRAINT

17.7.1 INTERCONNECTORCONSTRAINT

| | |
|---------|---|
| Name | INTERCONNECTORCONSTRAINT |
| Comment | INTERCONNECTORCONSTRAINT sets out Interconnector limit data used as defaults in dispatch, predispatch and STPASA and used by SPD in calculating flows. INTERCONNECTORCONSTRAINT includes an additional field to restrict an interconnector from support transfer of FCAS. |

17.7.2 Description

INTERCONNECTORCONSTRAINT is public data, available to all participants.

Source

INTERCONNECTORCONSTRAINT changes infrequently, typically annually.

17.7.3 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
VERSIONNO

17.7.4 Index Columns

Name
LASTCHANGED

17.7.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------------------|-------------|-----------|------------|
| RESERVEOVERALLLOADFACTOR | NUMBER(5,2) | | SPD Factor |

| | | | |
|------------------------|---------------|---|--|
| FROMREGIONLOSSSHARE | NUMBER(5,2) | | Loss share attributable to from region |
| EFFECTIVEDATE | DATE | X | Date that this limit is effective from |
| VERSIONNO | NUMBER(3,0) | X | Version for this date |
| INTERCONNECTORID | VARCHAR2(10) | X | Unique Id of this interconnector |
| MAXMWIN | NUMBER(15,5) | | Limit of energy flowing into the RegionFrom |
| MAXMWOUT | NUMBER(15,5) | | Limit of energy flowing out of the Region |
| LOSSCONSTANT | NUMBER(15,6) | | Constant Loss factor |
| LOSSFLOWCOEFFICIENT | NUMBER(27,17) | | Linear coefficient of loss factor calculation |
| EMSMEASURAND | VARCHAR2(40) | | Identifies the EMS entity that represents the interconnector flow |
| AUTHORISED BY | VARCHAR2(15) | | User authorising record |
| AUTHORISED DATE | DATE | | Date record authorised |
| DYNAMICRHS | VARCHAR2(1) | | Not used |
| IMPORTLIMIT | NUMBER(6,0) | | Interconnector import limit |
| EXPORTLIMIT | NUMBER(6,0) | | Interconnector export limit |
| OUTAGEDERATIONFACTOR | NUMBER(15,5) | | SPD Factor |
| NONPHYSICALLOSSFACTOR | NUMBER(15,5) | | Factor for non-physical losses rerun |
| OVERLOADFACTOR60SEC | NUMBER(15,5) | | Interconnector overload for 60 sec |
| OVERLOADFACTOR6SEC | NUMBER(15,5) | | Interconnector overload for 6 sec |
| LASTCHANGED | DATE | | Last date and time record changed |
| FCASSUPPORTUNAVAILABLE | NUMBER(1,0) | | Flag to indicate that the interconnector cannot support FCAS Transfers |
| ICTYPE | VARCHAR2(10) | | Interconnector type - Currently either "REGULATED" or "MNSP" |

17.8 Table: INTRAREGIONALLOC

17.8.1 INTRAREGIONALLOC

| | |
|---------|--|
| Name | INTRAREGIONALLOC |
| Comment | INTRAREGIONALLOC shows allocations of intra-regional residues to participants. |

17.8.2 Description

INTRAREGIONALLOC data is confidential to the relevant participant.

Source

The data in INTRAREGIONALLOC changes infrequently.

17.8.3 Primary Key Columns

Name

EFFECTIVEDATE

PARTICIPANTID

REGIONID

VERSIONNO

17.8.4 Index Columns

Name

LASTCHANGED

17.8.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-------------|-----------|---|
| EFFECTIVEDATE | DATE | X | Effective Date of Allocation Details |
| VERSIONNO | NUMBER(5,0) | X | Version No in respect to effective date |

| | | | |
|---------------|--------------|---|-------------------------------|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| ALLOCATION | NUMBER(12,5) | | Allocation Percent / 100 |
| LASTCHANGED | DATE | | Last changed date/time |

17.9 Table: LOSSFACTORMODEL

17.9.1 LOSSFACTORMODEL

| | |
|---------|--|
| Name | LOSSFACTORMODEL |
| Comment | LOSSFACTORMODEL sets out the demand coefficients for each interconnector, used by LP Solver modelling of interconnector flows. |

17.9.2 Description

LOSSFACTORMODEL is public data, so is available to all participants.

Source

LOSSFACTORMODEL only changes annually, when there is a change in the interconnector.

17.9.3 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
REGIONID
VERSIONNO

17.9.4 Index Columns

Name
LASTCHANGED

17.9.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-------------|-----------|---|
| EFFECTIVEDATE | DATE | X | Calendar date data set is effective |
| VERSIONNO | NUMBER(3,0) | X | Version number within effective date of |

| | | | |
|-------------------|---------------|---|---|
| | | | the status proposed |
| INTERCONNECTORID | VARCHAR2(10) | X | The unique identifier for the interconnector. |
| REGIONID | VARCHAR2(10) | X | The unique region identifier for a connection point of the interconnector |
| DEMANDCOEFFICIENT | NUMBER(27,17) | | The coefficient applied to the region demand in the calculation of the interconnector loss factor |
| LASTCHANGED | DATE | | Last date and time record changed |

17.10 Table: LOSSMODEL

17.10.1 LOSSMODEL

| | |
|---------|--|
| Name | LOSSMODEL |
| Comment | LOSSMODEL sets out segment breakpoints in loss model for each interconnector, used by LP Solver modelling of interconnector flows. |

17.10.2 Description

LOSSMODEL data is public, so is available to all participants.

Source

LOSSMODEL only changes annually, when there is a change in the interconnector.

17.10.3 Primary Key Columns

Name

EFFECTIVEDATE

INTERCONNECTORID

LOSSSEGMENT

VERSIONNO

17.10.4 Index Columns

Name

LASTCHANGED

17.10.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-------------|-----------|--------------------------------------|
| EFFECTIVEDATE | DATE | X | Calendar date data set is effective |
| VERSIONNO | NUMBER(3,0) | X | Version number within effective date |

| | | | |
|------------------|--------------|---|---|
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector identifier |
| PERIODID | VARCHAR2(20) | | Not used |
| LOSSSEGMENT | NUMBER(6,0) | X | Segment Identifier (1 to 80 at present) |
| MWBREAKPOINT | NUMBER(6,0) | | MW Value for segment |
| LOSSFACTOR | NUMBER(16,6) | | Not used |
| LASTCHANGED | DATE | | Last date and time record changed |

17.11 Table: MARKET_PRICE_THRESHOLDS

17.11.1 MARKET_PRICE_THRESHOLDS

| | |
|---------|--|
| Name | MARKET_PRICE_THRESHOLDS |
| Comment | MARKET_PRICE_THRESHOLDS sets out the market cap , floor and administered price thresholds applying to the electricity market |

17.11.2 Description

MARKET_PRICE_THRESHOLDS data is public, so is available to all participants.

Source

MARKET_PRICE_THRESHOLDS only changes when a change is made to a market price threshold. This table changes infrequently.

17.11.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| VERSIONNO |

17.11.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

17.11.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Calendar date that this record becomes effective |
| VERSIONNO | NUMBER(4,0) | X | version no for the effective date |
| VOLL | NUMBER(15,5) | | value of lost load if total supply falls short of demand after load management then involuntary load |
| MARKETPRICEFLOOR | NUMBER(15,5) | | The floor price that the spot market price |

| | | | |
|------------------------------|--------------|--|---|
| | | | will not fall below. |
| ADMINISTERED_PRICE_THRESHOLD | NUMBER(15,5) | | Threshold value beyond which Aggregate Prices per Region over 336 Trade Intervals (Energy), or 2016 Dispatch Intervals (FCAS), will result in an Administered Price declaration |
| AUTHORISEDDATE | DATE | | date data authorised |
| AUTHORISEDBY | VARCHAR2(15) | | user authorising |
| LASTCHANGED | DATE | | Last date and time record changed |

17.12 Table: REGION

17.12.1 REGION

| | |
|---------|-----------------------------------|
| Name | REGION |
| Comment | REGION sets out valid region IDs. |

17.12.2 Description

REGION data is public, so is available to all participants.

Source

REGION updates if a change is ever made to a region. This table is static data and is likely to change very infrequently.

17.12.3 Primary Key Columns

| | |
|----------|--|
| Name | |
| REGIONID | |

17.12.4 Index Columns

| | |
|-------------|--|
| Name | |
| LASTCHANGED | |

17.12.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|---|
| REGIONID | VARCHAR2(10) | X | Differentiates this region from all other regions |
| DESCRIPTION | VARCHAR2(64) | | Full description of region |
| REGIONSTATUS | VARCHAR2(8) | | Status of the region e.g. working, inactive, archive. |
| LASTCHANGED | DATE | | Last date and time record changed |

17.13 Table: REGIONSTANDINGDATA

17.13.1 REGIONSTANDINGDATA

| | |
|---------|---|
| Name | REGIONSTANDINGDATA |
| Comment | REGIONSTANDINGDATA sets out standing region data including the region reference node. |

17.13.2 Description

REGIONSTANDINGDATA data is public, so is available to all participants.

Source

REGIONSTANDINGDATA only changes when a change is made to a region. This table changes infrequently.

17.13.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| REGIONID |
| VERSIONNO |

17.13.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

17.13.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| EFFECTIVEDATE | DATE | X | Effective date of this record, only the latest date applies |
| VERSIONNO | NUMBER(3,0) | X | Version No of the standing data that should be effective on this date |
| REGIONID | VARCHAR2(10) | X | Differentiates this region from all other regions |

| | | | |
|------------------------------|--------------|--|--|
| RSOID | VARCHAR2(10) | | the unique identifier of the participant with responsibility for the region. |
| REGIONALREFERENCEPOINT ID | VARCHAR2(10) | | unique id of a connection point, being the reference point for this region |
| PEAKTRADINGPERIOD | NUMBER(3,0) | | Period identifier of the peak trading period of this connection point |
| AUTHORISEDDATE | DATE | | Date record authorised |
| AUTHORISEDBY | VARCHAR2(15) | | User authorising record |
| SCALINGFACTOR | NUMBER(15,5) | | Scaling factor for regional FCAS requirement |
| LASTCHANGED | DATE | | Last date and time record changed |

17.14 Table: TRANSMISSIONLOSSFACTOR

17.14.1 TRANSMISSIONLOSSFACTOR

| | |
|---------|--|
| Name | TRANSMISSIONLOSSFACTOR |
| Comment | TRANSMISSIONLOSSFACTOR shows the Transmission Loss factors applied at each connection point. |

17.14.2 Description

TRANSMISSIONLOSSFACTOR is public data, and is available to all participants.

Source

TRANSMISSIONLOSSFACTOR updates when new connection points are created or loss factors change.

17.14.3 Primary Key Columns

| |
|-------------------|
| Name |
| CONNECTIONPOINTID |
| EFFECTIVEDATE |
| VERSIONNO |

17.14.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

17.14.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|---|
| TRANSMISSIONLOSSFACTOR | NUMBER(15,5) | X | Transmission Loss Factor |
| EFFECTIVEDATE | DATE | X | Effective date of record |
| VERSIONNO | NUMBER(22,0) | X | Version no of record for given effective date |

| | | | |
|-------------------|--------------|---|--|
| CONNECTIONPOINTID | VARCHAR2(10) | X | Connection Point ID |
| REGIONID | VARCHAR2(10) | | |
| LASTCHANGED | DATE | | Record creation timestamp |
| SECONDARY_TLF | NUMBER(18,8) | | Secondary transmission loss factor applied in settlements for generator purchases. |

18 Package: MARKET_NOTICE

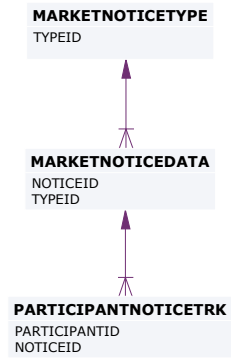
Name MARKET_NOTICE

Comment Market Notice data

18.1 List of tables

| Name | Comment |
|----------------------|---|
| MARKETNOTICEDATA | MARKETNOTICEDATA shows market notices data provided to all participants (market) and specific participants (participant). |
| MARKETNOTICETYPE | MARKETNOTICETYPE sets out the different types of market notices (e.g. market systems). |
| PARTICIPANTNOTICETRK | PARTICIPANTNOTICETRK provides the cross-reference between participant market notices and participants. |

18.2 Diagram: Entities: Market Notices



18.3 Table: MARKETNOTICEDATA

18.3.1 MARKETNOTICEDATA

| | |
|---------|---|
| Name | MARKETNOTICEDATA |
| Comment | MARKETNOTICEDATA shows market notices data provided to all participants (market) and specific participants (participant). |

18.3.2 Description

MARKETNOTICEDATA data is confidential to each participant, although some notices are sent to all participants.

Source

MARKETNOTICEDATA updates immediately available.

18.3.3 Primary Key Columns

| |
|----------|
| Name |
| NOTICEID |

18.3.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

18.3.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| NOTICEID | NUMBER(10,0) | X | Notice Identifier |
| EFFECTIVEDATE | DATE | | Effective Date of Market notice |
| TYPEID | VARCHAR2(25) | | Market Notice Type Identifier (Market - all participants. Participant - selected participants) |
| NOTICETYPE | VARCHAR2(25) | | Market Notice Type |

| | | | |
|-------------------|----------------|--|---|
| LASTCHANGED | DATE | | Last date and time record changed |
| REASON | VARCHAR2(2000) | | Detail of market notices. |
| EXTERNALREFERENCE | VARCHAR2(255) | | External Reference for extra data pertaining to market notice |

18.4 Table: MARKETNOTICETYPE

18.4.1 MARKETNOTICETYPE

| | |
|---------|--|
| Name | MARKETNOTICETYPE |
| Comment | MARKETNOTICETYPE sets out the different types of market notices (e.g. market systems). |

18.4.2 Description

MARKETNOTICETYPE data is public, so is available to all participants.

Source

MARKETNOTICETYPE updates whenever market notice types change.

18.4.3 Primary Key Columns

| |
|--------|
| Name |
| TYPEID |

18.4.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

18.4.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|-----------------------------------|
| TYPEID | VARCHAR2(25) | X | Identifier for market notice type |
| DESCRIPTION | VARCHAR2(64) | | Type description |
| RAISED BY | VARCHAR2(10) | | Not used |
| LASTCHANGED | DATE | | Last date and time record changed |

18.5 Table: PARTICIPANTNOTICETRK

18.5.1 PARTICIPANTNOTICETRK

| | |
|---------|--|
| Name | PARTICIPANTNOTICETRK |
| Comment | PARTICIPANTNOTICETRK provides the cross-reference between participant market notices and participants. |

18.5.2 Description

PARTICIPANTNOTICETRK data is Confidential to the relevant participant.

Source

PARTICIPANTNOTICETRK updates immediately, whenever a participant notice is issued.

18.5.3 Primary Key Columns

| |
|---------------|
| Name |
| NOTICEID |
| PARTICIPANTID |

18.5.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

18.5.5 Index Columns

| |
|---------------|
| Name |
| PARTICIPANTID |

18.5.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|-------------------------------|
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |

| | | | |
|-------------|--------------|---|-----------------------------------|
| NOTICEID | NUMBER(10,0) | X | Market notice identifier |
| LASTCHANGED | DATE | | Last date and time record changed |

19 Package: METER_DATA

| | |
|----------------|--|
| <i>Name</i> | METER_DATA |
| <i>Comment</i> | Wholesale market aggregated Meter data |

19.1 List of tables

| Name | Comment |
|----------------------------|---|
| METERDATA_AGGREGATE_READS | Publishes aggregated metering data associated with a wholesale connection point for a given CASE_ID |
| METERDATA_INDIVIDUAL_READS | Publishes metering data associated with individual metering points for a given CASE_ID |
| METERDATA_INTERCONNECTOR | Publishes metering data associated with wholesale interconnectors for a given CASE_ID |
| METERDATA_SAPS | The SAPS Meter data for MSRP and Retailer used in the Settlement Calculation |
| METERDATA_WDR_READS | Metering Data WDR Readings |

19.2 Diagram: Entities: Meter Data

Note: Include MDA = MeteringDataAgent in any join

METERDATA_INDIVIDUAL_READS

CASE_ID
SETTLEMENTDATE
METER_ID
METER_ID_SUFFIX
PERIODID

METERDATA_INTERCONNECTOR

CASE_ID
SETTLEMENTDATE
INTERCONNECTORID
PERIODID

METERDATA_AGGREGATE_READS

CASE_ID
SETTLEMENTDATE
CONNECTIONPOINTID
METER_TYPE
FRMP
LR
PERIODID

METERDATA_WDR_READS

MARKET_ID
CASE_ID
SETTLEMENTDATE
METER_ID
PERIODID

METERDATA_SAPS

CASE_ID
SETTLEMENTDATE
CONNECTIONPOINT_ID
METER_TYPE
FRMP
LR
PERIODID

19.3 Table: METERDATA_AGGREGATE_READS

19.3.1 METERDATA_AGGREGATE_READS

| | |
|---------|---|
| Name | METERDATA_AGGREGATE_READS |
| Comment | Publishes aggregated metering data associated with a wholesale connection point for a given CASE_ID |

19.3.2 Primary Key Columns

Name
CASE_ID
CONNECTIONPOINTID
FRMP
LR
METER_TYPE
PERIODID
SETTLEMENTDATE

19.3.3 Index Columns

Name
CASE_ID
SETTLEMENTDATE
CONNECTIONPOINTID
METER_TYPE
FRMP
LR
PERIODID

19.3.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| CASE_ID | NUMBER(15,0) | X | Case Identifier |
| SETTLEMENTDATE | DATE | X | Settlement date within the case |
| CONNECTIONPOINTID | VARCHAR2(20) | X | Connection Point ID |
| METER_TYPE | VARCHAR2(20) | X | The meter type for the read, one of: CUSTOMER; GENERATOR; EMBEDDED_GENERATOR |
| FRMP | VARCHAR2(20) | X | The financially responsible market participantid |
| LR | VARCHAR2(20) | X | The local retailer at the connection point id |
| PERIODID | NUMBER(3,0) | X | Trading Interval. |
| IMPORTVALUE | NUMBER(18,8) | X | The import(pool-centric) value for the meter read (MWh) |
| EXPORTVALUE | NUMBER(18,8) | X | The export(pool-centric) value for the meter read (MWh) |
| LASTCHANGED | DATE | | Last changed date for the record |

19.4 Table: METERDATA_INDIVIDUAL_READS

19.4.1 METERDATA_INDIVIDUAL_READS

| | |
|---------|--|
| Name | METERDATA_INDIVIDUAL_READS |
| Comment | Publishes metering data associated with individual metering points for a given CASE_ID |

19.4.2 Primary Key Columns

Name

CASE_ID

METER_ID

METER_ID_SUFFIX

PERIODID

SETTLEMENTDATE

19.4.3 Index Columns

Name

CASE_ID

SETTLEMENTDATE

METER_ID

METER_ID_SUFFIX

PERIODID

19.4.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---------------------------------|
| CASE_ID | NUMBER(15,0) | X | Case Identifier |
| SETTLEMENTDATE | DATE | X | Settlement date within the case |

| | | | |
|-------------------|--------------|---|--|
| METER_ID | VARCHAR2(20) | X | The National Metering Identifier (NMI) |
| METER_ID_SUFFIX | VARCHAR2(20) | X | The National Metering Identifier (NMI) data stream |
| FRMP | VARCHAR2(20) | X | The financially responsible market participantid |
| LR | VARCHAR2(20) | X | The local retailer at the connection point id |
| PERIODID | NUMBER(3,0) | X | Trading Interval. |
| CONNECTIONPOINTID | VARCHAR2(20) | X | Connection Point ID |
| METER_TYPE | VARCHAR2(20) | X | The meter type for the read, one of: CUSTOMER; GENERATOR; EMBEDDED_GENERATOR |
| IMPORTVALUE | NUMBER(18,8) | X | The import(pool-centric) value for the meter read (MWh) |
| EXPORTVALUE | NUMBER(18,8) | X | The export(pool-centric) value for the meter read (MWh) |
| LASTCHANGED | DATE | | Last changed date for the record |

19.5 Table: METERDATA_INTERCONNECTOR

19.5.1 METERDATA_INTERCONNECTOR

| | |
|---------|---|
| Name | METERDATA_INTERCONNECTOR |
| Comment | Publishes metering data associated with wholesale interconnectors for a given CASE_ID |

19.5.2 Primary Key Columns

| |
|------------------|
| Name |
| CASE_ID |
| INTERCONNECTORID |
| PERIODID |
| SETTLEMENTDATE |

19.5.3 Index Columns

| |
|------------------|
| Name |
| CASE_ID |
| SETTLEMENTDATE |
| INTERCONNECTORID |
| PERIODID |

19.5.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---------------------------------|
| CASE_ID | NUMBER(15,0) | X | Case Identifier |
| SETTLEMENTDATE | DATE | X | Settlement date within the case |
| INTERCONNECTORID | VARCHAR2(20) | X | Interconnector Identifier |
| PERIODID | NUMBER(3,0) | X | Trading Interval. |

| | | | |
|-------------|--------------|--|---|
| IMPORTVALUE | NUMBER(18,8) | | The import direction value for the meter read (MWh) |
| EXPORTVALUE | NUMBER(18,8) | | The export direction value for the meter read (MWh) |
| LASTCHANGED | DATE | | Last changed date for the record |

19.6 Table: METERDATA_SAPS

19.6.1 METERDATA_SAPS

Name METERDATA_SAPS

Comment The SAPS Meter data for MSRP and Retailer used in the Settlement Calculation

19.6.2 Primary Key Columns

Name

CASE_ID

CONNECTIONPOINT_ID

FRMP

LR

METER_TYPE

PERIODID

SETTLEMENTDATE

19.6.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|--|
| CASE_ID | NUMBER(15,0) | X | The Metering Case ID used for Settlements |
| SETTLEMENTDATE | DATE | X | The Settlement Date for that Week |
| CONNECTIONPOINT_ID | VARCHAR2(20) | X | The SAPS Connection Point Id |
| METER_TYPE | VARCHAR2(20) | X | The Meter Type Identifier , CUSTOMER or MSRP |
| FRMP | VARCHAR2(20) | X | The Financial Responsible Market Participant |
| LR | VARCHAR2(20) | X | The Local Retailer |
| PERIODID | NUMBER(4,0) | X | The Period ID Identifier |

| | | | |
|-------------|--------------|--|---|
| IMPORTVALUE | NUMBER(18,8) | | The Sent Out Energy in MWh |
| EXPORTVALUE | NUMBER(18,8) | | The Consumed Energy in MWh |
| LASTCHANGED | DATE | | The Date time of the record last updated or inserted. |

19.7 Table: METERDATA_WDR_READS

19.7.1 METERDATA_WDR_READS

| | |
|---------|----------------------------|
| Name | METERDATA_WDR_READS |
| Comment | Metering Data WDR Readings |

19.7.2 Primary Key Columns

| |
|----------------|
| Name |
| CASE_ID |
| MARKET_ID |
| METER_ID |
| PERIODID |
| SETTLEMENTDATE |

19.7.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| MARKET_ID | VARCHAR2(20) | X | Unique identifier for the market to which this metering record applies. Always equal to NEM in the current system. |
| CASE_ID | NUMBER(15,0) | X | Unique identifier for the metering case. |
| SETTLEMENTDATE | DATE | X | The settlement date for the metering record |
| METER_ID | VARCHAR2(20) | X | Unique identifier for the meter to which the metering record applies |
| TNI | VARCHAR2(20) | | Unique identifier for the transmission node to which this meter belongs on the settlement date |
| FRMP | VARCHAR2(20) | | Unique identifier for the participant acting as the FRMP for this NMI on the settlement date |
| DRSP | VARCHAR2(20) | | Unique identifier for the participant acting as the DRSP for this NMI on the |

| | | | |
|-----------------------|---------------|---|---|
| | | | settlement date |
| PERIODID | NUMBER(3,0) | X | Trading interval identifier, with Period 1 being the first TI for the calendar day, i.e interval ending 00:05. |
| METEREDQUANTITYIMPORT | NUMBER(18,8) | | Metered quantity Import in MWh for the NMI in the trading interval. A negative value indicates net consumption, while a positive value indicates net generation |
| METEREDQUANTITYEXPORT | NUMBER(18,8) | | Metered quantity Export in MWh for the NMI in the trading interval. A negative value indicates net consumption, while a positive value indicates net generation |
| BASELINEQUANTITY | NUMBER(18,8) | | Baseline quantity in MWh for the NMI in the trading interval. A negative value indicates net consumption, while a positive value indicates the net generation |
| QUALITYFLAG | VARCHAR2(20) | | Quality flag for the meter read. Where multiple datastreams exist against the NMI with different quality flags for each read, the lowest quality flag will be published against the NMI for the interval. |
| ISNONCOMPLIANT | NUMBER(1,0) | | A value of TRUE (indicated by 1) for this column indicates that financial settlement of WDR transactions for this NMI should not proceed for the settlement date and trading interval. Possible values are 1 and 0. |
| BASELINECALCULATIONID | VARCHAR2(100) | | A reference to the baseline run that produced the baseline quantity for this NMI and interval |

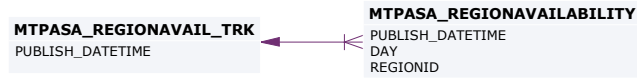
20 Package: MTPASA

| | |
|----------------|--|
| <i>Name</i> | MTPASA |
| <i>Comment</i> | Results from a published Medium Term PASA Run and region-aggregate offered PASA Availability of scheduled generators |

20.1 List of tables

| Name | Comment |
|-----------------------------|---|
| MTPASA_CASERESULT | MTPASA solution header table |
| MTPASA_CONSTRAINTRESULT | Constraint results for Binding or Violating Constraints |
| MTPASA_CONSTRAINTSUMMARY | Constraint Summary results over aggregation periods |
| MTPASA_DUIDAVAILABILITY | Offered PASA Availability of the scheduled generator DUID for each day over the Medium Term PASA period. The data in this table is input data to the MT PASA process it is not part of the MTPASA solution. The availability does not reflect any energy limitations in the MT PASA offers |
| MTPASA_INTERCONNECTORRESULT | Interconnector results for interval of max demand per day |
| MTPASA_LOLRESULT | Results for Loss of Load Probability (LOLP) run per day |
| MTPASA_REGIONAVAIL_TRK | The tracking table to assist in versioning of the region-aggregate offered PASA Availability data published to the MTPASA_REGIONAVAILABILITY table. |
| MTPASA_REGIONAVAILABILITY | Stores the Region-aggregate offered PASA Availability of scheduled generators for each day over the Medium Term PASA period. The data in this table is an aggregate of input data to the MT PASA process it is not part of the MTPASA solution. The aggregate availability does not reflect any energy limitations in the MT PASA offers. |
| MTPASA_REGIONITERATION | Region results for Unserved Energy (USE) |
| MTPASA_REGIONRESULT | Region results for interval of max demand per day. |
| MTPASA_REGIONSUMMARY | Region Results summary over aggregation periods. |

20.2 Diagram: Entities: MT PASA



MTPASA_CONSTRAINTRESULT

| |
|-----------------|
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |
| DEMAND_POE_TYPE |
| DAY |
| CONSTRAINTID |

MTPASA_INTERCONNECTORRESULT

| |
|------------------|
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |
| DEMAND_POE_TYPE |
| DAY |
| INTERCONNECTORID |

MTPASA_CONSTRAINTSUMMARY

| |
|--------------------|
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |
| DEMAND_POE_TYPE |
| DAY |
| CONSTRAINTID |
| AGGREGATION_PERIOD |

MTPASA_CASERESULT

| |
|--------------|
| RUN_DATETIME |
| RUN_NO |

MTPASA_LOLPRESULT

| |
|--------------|
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |
| DAY |
| REGIONID |

MTPASA_REGIONITERATION

| |
|--------------------|
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |
| DEMAND_POE_TYPE |
| AGGREGATION_PERIOD |
| PERIOD_ENDING |
| REGIONID |
| USE_ITERATION_ID |

MTPASA_REGIONRESULT

| |
|-----------------|
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |
| DEMAND_POE_TYPE |
| DAY |
| REGIONID |

MTPASA_REGIONSUMMARY

| |
|--------------------|
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |
| DEMAND_POE_TYPE |
| AGGREGATION_PERIOD |
| PERIOD_ENDING |
| REGIONID |

MTPASA_DUIDAVAILABILITY

| |
|------------------|
| PUBLISH_DATETIME |
| DAY |
| REGIONID |
| DUID |

20.3 Table: MTPASA_CASERESULT

20.3.1 MTPASA_CASERESULT

| | |
|---------|------------------------------|
| Name | MTPASA_CASERESULT |
| Comment | MTPASA solution header table |

20.3.2 Description

MTPASA_CASERESULT is public data.

Holds one Record for entire solution

20.3.3 Primary Key Columns

| |
|--------------|
| Name |
| RUN_DATETIME |
| RUN_NO |

20.3.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|------------------------------------|
| RUN_DATETIME | DATE | X | Date processing of the run begins. |
| RUN_NO | NUMBER(4) | X | Unique run id. |
| PLEXOS_VERSION | VARCHAR2(20) | | Version of PLEXOS used |
| LASTCHANGED | DATE | | Last date and time record changed |

20.4 Table: MTPASA_CONSTRAINTRESULT

20.4.1 MTPASA_CONSTRAINTRESULT

| | |
|---------|---|
| Name | MTPASA_CONSTRAINTRESULT |
| Comment | Constraint results for Binding or Violating Constraints |

20.4.2 Description

MTPASA_CONSTRAINTRESULT is public data.

20.4.3 Primary Key Columns

| |
|-----------------|
| Name |
| CONSTRAINTID |
| DAY |
| DEMAND_POE_TYPE |
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |

20.4.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date processing of the run begins. |
| RUN_NO | NUMBER(4) | X | Unique run id. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Always RELIABILITY |
| DEMAND_POE_TYPE | VARCHAR2(20) | X | Demand POE type used. Value is POE10 |
| DAY | DATE | X | Day this result is for |
| CONSTRAINTID | VARCHAR2(20) | X | The unique identifier for the constraint. Only binding or violating constraints are reported |

| | | | |
|------------------------|--------------|--|--|
| EFFECTIVEDATE | DATE | | The effective date of the constraint used |
| VERSIONNO | NUMBER(3,0) | | The version of the constraint used |
| PERIODID | NUMBER(3,0) | | Half hourly period reported, selected as period of maximum NEM scheduled demand (calculated as maximum of scheduled demands, averaged across iterations and reference years) |
| PROBABILITYOFBINDING | NUMBER(8,5) | | Proportion of a constraint binding, across iterations and reference years |
| PROBABILITYOFVIOLATION | NUMBER(8,5) | | Proportion of a constraint violating, across iterations and reference years |
| CONSTRAINTVIOLATION90 | NUMBER(12,2) | | The 90th percentile violation degree for this constraint, across iterations and reference years (MW) |
| CONSTRAINTVIOLATION50 | NUMBER(12,2) | | The 50th percentile violation degree for this constraint, across iterations and reference years (MW) |
| CONSTRAINTVIOLATION10 | NUMBER(12,2) | | The 10th percentile violation degree for this constraint, across iterations and reference years (MW) |
| LASTCHANGED | DATE | | Last date and time record changed |

20.5 Table: MTPASA_CONSTRAINTSUMMARY

20.5.1 MTPASA_CONSTRAINTSUMMARY

| | |
|---------|---|
| Name | MTPASA_CONSTRAINTSUMMARY |
| Comment | Constraint Summary results over aggregation periods |

20.5.2 Description

MTPASA_CONSTRAINTSUMMARY is public data.

20.5.3 Primary Key Columns

Name
 AGGREGATION_PERIOD
 CONSTRAINTID
 DAY
 DEMAND_POE_TYPE
 RUN_DATETIME
 RUN_NO
 RUNTYPE

20.5.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Date processing of the run begins. |
| RUN_NO | NUMBER(4) | X | Unique run id. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Always RELIABILITY |
| DEMAND_POE_TYPE | VARCHAR2(20) | X | Demand POE type used. Value is POE10 |
| DAY | DATE | X | Day this result is for |
| CONSTRAINTID | VARCHAR2(20) | X | The unique identifier for the constraint. Only binding or violating constraints are |

| | | | |
|------------------------|--------------|---|--|
| | | | reported |
| EFFECTIVEDATE | DATE | | The effective date of the constraint used |
| VERSIONNO | NUMBER(3,0) | | The version of the constraintID |
| AGGREGATION_PERIOD | VARCHAR2(20) | X | Period data is aggregated over. Values are PEAK, SHOULDER, OFFPEAK. PEAK = 14:00-19:59, SHOULDER = 07:00-13:59 and 20:00-21:59, OFFPEAK = 22:00-06:59 |
| CONSTRAINTHOURSBINDING | NUMBER(12,2) | | Constraint hours binding or violating for period, averaged across iterations and reference years |
| LASTCHANGED | DATE | | Last date and time record changed |

20.6 Table: MTPASA_DUIDAVAILABILITY

20.6.1 MTPASA_DUIDAVAILABILITY

| | |
|---------|--|
| Name | MTPASA_DUIDAVAILABILITY |
| Comment | Offered PASA Availability of the scheduled generator DUID for each day over the Medium Term PASA period. The data in this table is input data to the MT PASA process it is not part of the MTPASA solution. The availability does not reflect any energy limitations in the MT PASA offers |

20.6.2 Primary Key Columns

| |
|------------------|
| Name |
| DAY |
| DUID |
| PUBLISH_DATETIME |
| REGIONID |

20.6.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--|
| PUBLISH_DATETIME | DATE | X | Date Time the report was published. |
| DAY | DATE | X | Date on which the PASA availability of DUID applies. |
| REGIONID | VARCHAR2(20) | X | NEM Region. |
| DUID | VARCHAR2(20) | X | NEM DUID. |
| PASAAVAILABILITY | NUMBER(12,0) | | Offered PASA Availability of Scheduled generator DUID for the day. |
| LATEST_OFFER_DATETIME | DATE | | Date Time of the latest offer used for DUID for this date. |
| LASTCHANGED | DATE | | Last date and time record changed |
| CARRYOVERSTATUS | NUMBER(1,0) | | Status of a reported capacity value (e.g. 1 for Yes, 0 for No) |

| | | | |
|----------------|--------------|--|-----------------------|
| PASAUNITSTATE | VARCHAR2(20) | | The unit state value |
| PASARECALLTIME | NUMBER(4) | | The recall time value |

20.7 Table: MTPASA_INTERCONNECTORRESULT

20.7.1 MTPASA_INTERCONNECTORRESULT

| | |
|---------|---|
| Name | MTPASA_INTERCONNECTORRESULT |
| Comment | Interconnector results for interval of max demand per day |

20.7.2 Description

MTPASA_INTERCONNECTORRESULT is public data.

20.7.3 Primary Key Columns

| |
|------------------|
| Name |
| DAY |
| DEMAND_POE_TYPE |
| INTERCONNECTORID |
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |

20.7.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date processing of the run begins. |
| RUN_NO | NUMBER(4) | X | Unique run id. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Always RELIABILITY |
| DEMAND_POE_TYPE | VARCHAR2(20) | X | Demand POE type used. Value is POE10 |
| DAY | DATE | X | Day this result is for |
| INTERCONNECTORID | VARCHAR2(20) | X | The unique identifier for the interconnector |

| | | | |
|----------------------------|--------------|--|--|
| PERIODID | NUMBER(3,0) | | Half hourly period reported, selected as period of maximum NEM scheduled demand (calculated as maximum of scheduled demands, averaged across iterations and reference years) |
| FLOW90 | NUMBER(12,2) | | The 90th percentile for flows, across iterations and reference years. Positive values indicate exporting, negative values indicate importing (MW) |
| FLOW50 | NUMBER(12,2) | | The 50th percentile for flows, across iterations and reference years. Positive values indicate exporting, negative values indicate importing (MW) |
| FLOW10 | NUMBER(12,2) | | The 10th percentile for flows, across iterations and reference years. Positive values indicate exporting, negative values indicate importing (MW) |
| PROBABILITYOFBINDINGEXPORT | NUMBER(8,5) | | Proportion of iterations and reference years with interconnector constrained when exporting |
| PROBABILITYOFBINDINGIMPORT | NUMBER(8,5) | | Proportion of iterations and reference years with interconnector constrained when importing |
| CALCULATEDEXPORTLIMIT | NUMBER(12,2) | | Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit, averaged across iterations and reference years |
| CALCULATEDIMPORTLIMIT | NUMBER(12,2) | | Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit, averaged across iterations and reference years |
| LASTCHANGED | DATE | | Last date and time record changed |

20.8 Table: MTPASA_LOLRESULT

20.8.1 MTPASA_LOLRESULT

| | |
|---------|---|
| Name | MTPASA_LOLRESULT |
| Comment | Results for Loss of Load Probability (LOLP) run per day |

20.8.2 Description

MTPASA_LOLRESULT is public data.

20.8.3 Primary Key Columns

| |
|--------------|
| Name |
| DAY |
| REGIONID |
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |

20.8.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Date processing of the run begins. |
| RUN_NO | NUMBER(4) | X | Unique run id. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Always LOLP |
| DAY | DATE | X | Day this result is for |
| REGIONID | VARCHAR2(20) | X | The unique region identifier |
| WORST_INTERVAL_PERIODID | NUMBER(3,0) | | The half hourly interval period with the highest LOLP, or highest region demand if LOLP = 0 for all intervals (1..48) |
| WORST_INTERVAL_DEMAND | NUMBER(12,2) | | The Abstract Operational Demand for the |

| | | | |
|-----------------------|--------------|--|---|
| | | | worst interval in this region (MW) |
| WORST_INTERVAL_INTGEN | NUMBER(12,2) | | The half hourly aggregate intermittent generation for the worst interval in this region (MW) |
| WORST_INTERVAL_DSP | NUMBER(12,2) | | The half hourly aggregate demand side participation for the worst interval period in this region (MW) |
| LOSSOFLOADPROBABILITY | NUMBER(8,5) | | Loss of Load Probability for the worst interval in this region |
| LOSSOFLOADMAGNITUDE | VARCHAR2(20) | | Loss of Load Magnitude for the worst interval in this region. Values are LOW, MEDIUM, HIGH |
| LASTCHANGED | DATE | | Last date and time record changed |

20.9 Table: MTPASA_REGIONAVAIL_TRK

20.9.1 MTPASA_REGIONAVAIL_TRK

Name MTPASA_REGIONAVAIL_TRK

Comment The tracking table to assist in versioning of the region-aggregate offered PASA Availability data published to the MTPASA_REGIONAVAILABILITY table.

20.9.2 Primary Key Columns

Name

PUBLISH_DATETIME

20.9.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|-----------|-----------|---|
| PUBLISH_DATETIME | DATE | X | Date Time the report was published. |
| STARTDATE | DATE | | First date of the report inclusive. |
| ENDDATE | DATE | | Last date of the report inclusive. |
| LATEST_OFFER_DATETIME | DATE | | Date Time of the latest offer used in the report. |

20.10 Table: MTPASA_REGIONAVAILABILITY

20.10.1 MTPASA_REGIONAVAILABILITY

| | |
|---------|---|
| Name | MTPASA_REGIONAVAILABILITY |
| Comment | Stores the Region-aggregate offered PASA Availability of scheduled generators for each day over the Medium Term PASA period. The data in this table is an aggregate of input data to the MT PASA process it is not part of the MTPASA solution. The aggregate availability does not reflect any energy limitations in the MT PASA offers. |

20.10.2 Description

MTPASA_REGIONAVAILABILITY is public data.

20.10.3 Primary Key Columns

| |
|------------------|
| Name |
| DAY |
| PUBLISH_DATETIME |
| REGIONID |

20.10.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------------|--------------|-----------|---|
| PUBLISH_DATETIME | DATE | X | Date Time the report was published. |
| DAY | DATE | X | Date on which the aggregation applies. |
| REGIONID | VARCHAR2(20) | X | NEM Region. |
| PASAAVAILABILITY_SCHEDULED | NUMBER(12,0) | | Aggregate of the offered PASA Availability for all Scheduled generators in this region. |
| LATEST_OFFER_DATETIME | DATE | | Date Time of the latest offer used in the aggregation for this region and date. |
| ENERGYUNCONSTRAINEDCAPACITY | NUMBER(12,0) | | Region energy unconstrained MW capacity |
| ENERGYCONSTRAINEDCAPACITY | NUMBER(12,0) | | Region energy constrained MW capacity |

| | | | |
|------------------------|--------------|--|---|
| CITY | | | |
| NONSCHEDULEDGENERATION | NUMBER(12,2) | | Allowance made for non-scheduled generation in the demand forecast (MW) |
| DEMAND10 | NUMBER(12,2) | | 10% probability demand (ex non-scheduled demand) |
| DEMAND50 | NUMBER(12,2) | | 50% probability demand (ex non-scheduled demand) |
| ENERGYREQDEMAND10 | NUMBER(12,2) | | Total weekly operational as generated consumption (POE 10) |
| ENERGYREQDEMAND50 | NUMBER(12,2) | | Total weekly operational as generated consumption (POE 50) |
| LASTCHANGED | DATE | | Last date and time record changed |
| DEMAND10MIN | NUMBER(12,2) | | Minimum of the Operational Load as Generated (OPGEN) peaks that occur in all ref years for the P10 traces (MW). |
| DEMAND10MAX | NUMBER(12,2) | | Maximum of the Operational Load as Generated (OPGEN) peaks that occur in all ref years for the P10 traces (MW). |
| DEMAND50MIN | NUMBER(12,2) | | Minimum of the Operational Load as Generated (OPGEN) peaks that occur in all ref years for the P50 traces (MW). |
| DEMAND50MAX | NUMBER(12,2) | | Maximum of the Operational Load as Generated (OPGEN) peaks that occur in all ref years for the P50 traces (MW). |
| CARRYOVERCAPACITY | NUMBER(12,0) | | Split of the CARRYOVER component of aggregate capacity vs the currently reported capacity. |

20.11 Table: MTPASA_REGIONITERATION

20.11.1 MTPASA_REGIONITERATION

| | |
|---------|--|
| Name | MTPASA_REGIONITERATION |
| Comment | Region results for Unserved Energy (USE) |

20.11.2 Description

MTPASA_REGIONITERATION is public data.

20.11.3 Primary Key Columns

Name

AGGREGATION_PERIOD

DEMAND_POE_TYPE

PERIOD_ENDING

REGIONID

RUN_DATETIME

RUN_NO

RUNTYPE

USE_ITERATION_ID

20.11.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Date processing of the run begins. |
| RUN_NO | NUMBER(4) | X | Unique run id. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Always RELIABILITY |
| DEMAND_POE_TYPE | VARCHAR2(20) | X | Demand POE type used. Value is POE10 or POE50 |

| | | | |
|-----------------------------|--------------|---|---|
| AGGREGATION_PERIOD | VARCHAR2(20) | X | Period data is aggregated over. Values are YEAR |
| PERIOD_ENDING | DATE | X | Datetime of day at end of period (i.e. last day of year reported) |
| REGIONID | VARCHAR2(20) | X | The unique region identifier |
| USE_ITERATION_ID | NUMBER(5) | X | Iteration ID, only produced for iterations showing unserved energy>0 |
| USE_ITERATION_EVENT_NUMBER | NUMBER(12,2) | | Number of half hours showing unserved energy over year, for iteration |
| USE_ITERATION_EVENT_AVERAGE | NUMBER(12,2) | | Average unserved energy event size for iteration over year (MW) |
| LASTCHANGED | DATE | | Last date and time record changed |

20.12 Table: MTPASA_REGIONRESULT

20.12.1 MTPASA_REGIONRESULT

| | |
|---------|--|
| Name | MTPASA_REGIONRESULT |
| Comment | Region results for interval of max demand per day. |

20.12.2 Description

MTPASA_REGIONRESULT is public data.

20.12.3 Primary Key Columns

| |
|-----------------|
| Name |
| DAY |
| DEMAND_POE_TYPE |
| REGIONID |
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |

20.12.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date processing of the run begins. |
| RUN_NO | NUMBER(4) | X | Unique run id. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Always RELIABILITY |
| DEMAND_POE_TYPE | VARCHAR2(20) | X | Demand POE type used. Value is POE10 |
| DAY | DATE | X | Day this result is for |
| REGIONID | VARCHAR2(20) | X | The unique region identifier |
| PERIODID | NUMBER(3,0) | | Half hourly period reported, selected as period of maximum NEM scheduled |

| | | | |
|----------------------------|--------------|--|---|
| | | | demand (calculated as maximum of scheduled demands, averaged across iterations and reference years) |
| DEMAND | NUMBER(12,2) | | Demand value from selected half hourly interval (MW) |
| AGGREGATEINSTALLEDCAPACITY | NUMBER(12,2) | | The total installed capacity of all generation (MW) |
| NUMBEROFITERATIONS | NUMBER(12,2) | | Total number of iterations and reference years performed |
| USE_NUMBEROFITERATIONS | NUMBER(12,2) | | Number of iterations and reference years with unserved energy>0 |
| USE_MAX | NUMBER(12,2) | | Maximum unserved energy, across iterations and reference years (MW) |
| USE_UPPERQUARTILE | NUMBER(12,2) | | Upper quartile unserved energy, across iterations and reference years (MW) |
| USE_MEDIAN | NUMBER(12,2) | | Median unserved energy, across iterations and reference years (MW) |
| USE_LOWERQUARTILE | NUMBER(12,2) | | Lower quartile unserved energy, across iterations and reference years (MW) |
| USE_MIN | NUMBER(12,2) | | Minimum unserved energy, across iterations and reference years (MW) |
| USE_AVERAGE | NUMBER(12,2) | | Average unserved energy, across iterations and reference years (MW) |
| USE_EVENT_AVERAGE | NUMBER(12,2) | | Average unserved energy event size, across iterations and reference years (MW) |
| TOTALSCHEDULEDGEN90 | NUMBER(12,2) | | The 90th percentile for scheduled generation across iterations and reference years (MW) |
| TOTALSCHEDULEDGEN50 | NUMBER(12,2) | | The 50th percentile for scheduled generation across iterations and reference years (MW) |
| TOTALSCHEDULEDGEN10 | NUMBER(12,2) | | The 10th percentile for scheduled generation across iterations and reference years (MW) |
| TOTALINTERMITTENTGEN90 | NUMBER(12,2) | | The 90th percentile for intermittent generation, across iterations and reference years (MW) |

| | | | |
|-------------------------------|--------------|--|---|
| TOTALINTERMITTENTGEN50 | NUMBER(12,2) | | The 50th percentile for intermittent generation, across iterations and reference years (MW) |
| TOTALINTERMITTENTGEN10 | NUMBER(12,2) | | The 10th percentile for intermittent generation, across iterations and reference years (MW) |
| DEMANDSIDEPARTICIPATION 90 | NUMBER(12,2) | | The 90th percentile for demand side participation, across iterations and reference years (MW) |
| DEMANDSIDEPARTICIPATION 50 | NUMBER(12,2) | | The 50th percentile for demand side participation, across iterations and reference years (MW) |
| DEMANDSIDEPARTICIPATION 10 | NUMBER(12,2) | | The 10th percentile for demand side participation, across iterations and reference years (MW) |
| LASTCHANGED | DATE | | Last date and time record changed |
| TOTALSEMISCHEDULEGEN90 | NUMBER(12,2) | | The 90% percentile for semi-scheduled generation across iterations and reference years (MW) |
| TOTALSEMISCHEDULEGEN50 | NUMBER(12,2) | | The 50% percentile for semi-scheduled generation across iterations and reference years (MW) |
| TOTALSEMISCHEDULEGEN10 | NUMBER(12,2) | | The 10% percentile for semi-scheduled generation across iterations and reference years (MW) |
| TOTALAVAILABLEGENMIN | NUMBER(12,2) | | Minimum available capacity, across iterations and reference years (MW). |
| TOTALAVAILABLEGEN10 | NUMBER(12,2) | | The 10% percentile for available capacity, across iterations and reference years (MW). |
| TOTALAVAILABLEGEN50 | NUMBER(12,2) | | The 50% percentile for available capacity, across iterations and reference years (MW). |
| TOTALAVAILABLEGEN90 | NUMBER(12,2) | | The 90% percentile for available capacity, across iterations and reference years (MW). |
| TOTALAVAILABLEGENMAX | NUMBER(12,2) | | Maximum available capacity, across iterations and reference years (MW). |

20.13 Table: MTPASA_REGIONSUMMARY

20.13.1 MTPASA_REGIONSUMMARY

| | |
|---------|--|
| Name | MTPASA_REGIONSUMMARY |
| Comment | Region Results summary over aggregation periods. |

20.13.2 Description

MTPASA_REGIONSUMMARY is public data.

20.13.3 Primary Key Columns

Name

AGGREGATION_PERIOD

DEMAND_POE_TYPE

PERIOD_ENDING

REGIONID

RUN_DATETIME

RUN_NO

RUNTYPE

20.13.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date processing of the run begins. |
| RUN_NO | NUMBER(4) | X | Unique run id. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Always RELIABILITY |
| DEMAND_POE_TYPE | VARCHAR2(20) | X | Demand POE type used. Value are POE10, POE50 |
| AGGREGATION_PERIOD | VARCHAR2(20) | X | Period data is aggregated over. Values are YEAR, MONTH |

| | | | |
|--------------------|--------------|---|---|
| PERIOD_ENDING | DATE | X | Datetime of day at end of period (i.e. last day of month or year reported) |
| REGIONID | VARCHAR2(20) | X | The unique region identifier |
| NATIVEDEMAND | NUMBER(12,2) | | Native demand calculated from Operational As Generated trace supplied by Energy Forecasting |
| USE_PERCENTILE10 | NUMBER(12,2) | | Unserved energy period amount at the 10th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE20 | NUMBER(12,2) | | Unserved energy period amount at the 20th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE30 | NUMBER(12,2) | | Unserved energy period amount at the 30th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE40 | NUMBER(12,2) | | Unserved energy period amount at the 40th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE50 | NUMBER(12,2) | | Unserved energy period amount at the 50th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE60 | NUMBER(12,2) | | Unserved energy period amount at the 60th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE70 | NUMBER(12,2) | | Unserved energy period amount at the 70th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE80 | NUMBER(12,2) | | Unserved energy period amount at the 80th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE90 | NUMBER(12,2) | | Unserved energy period amount at the 90th percentile of iterations and reference years (MWh) |
| USE_PERCENTILE100 | NUMBER(12,2) | | Unserved energy period amount at the 100th percentile of iterations and reference years (MWh) |
| USE_AVERAGE | NUMBER(12,2) | | Average period unserved energy across iterations and reference years (MWh) |
| NUMBEROFITERATIONS | NUMBER(12,2) | | Total number of iterations and reference years performed |

| | | | |
|-------------------------|--------------|--|--|
| USE_NUMBEROFITERATIONS | NUMBER(12,2) | | Number of iterations and reference years showing unserved energy |
| USE_EVENT_MAX | NUMBER(12,2) | | Maximum unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW) |
| USE_EVENT_UPPERQUARTILE | NUMBER(12,2) | | Upper quartile unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW) |
| USE_EVENT_MEDIAN | NUMBER(12,2) | | Median unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW) |
| USE_EVENT_LOWERQUARTILE | NUMBER(12,2) | | Lower quartile unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW) |
| USE_EVENT_MIN | NUMBER(12,2) | | Minimum unserved energy event size across all half hourly intervals and iterations and reference years that have unserved energy>0 (MW) |
| WEIGHT | NUMBER(16,6) | | Fixed Values of 0.696 for 50 POE and 0.304 for 10 POE. |
| USE_WEIGHTED_AVG | NUMBER(16,6) | | Weighted average USE per region = $(USE_AVERAGE_POE10/NATIVE_DEMAND_POE_10*WEIGHT_POE_10 + USE_AVERAGE_POE50/NATIVE_DEMAND_POE_50*WEIGHT_POE_50)*100$ |
| LRC | NUMBER(12,2) | | LRC Condition reported (Value=1) if USE_WEIGHTED_AVG >= 0.002% otherwise (Value=0) |
| LASTCHANGED | DATE | | Last date and time record changed |

21 Package: P5MIN

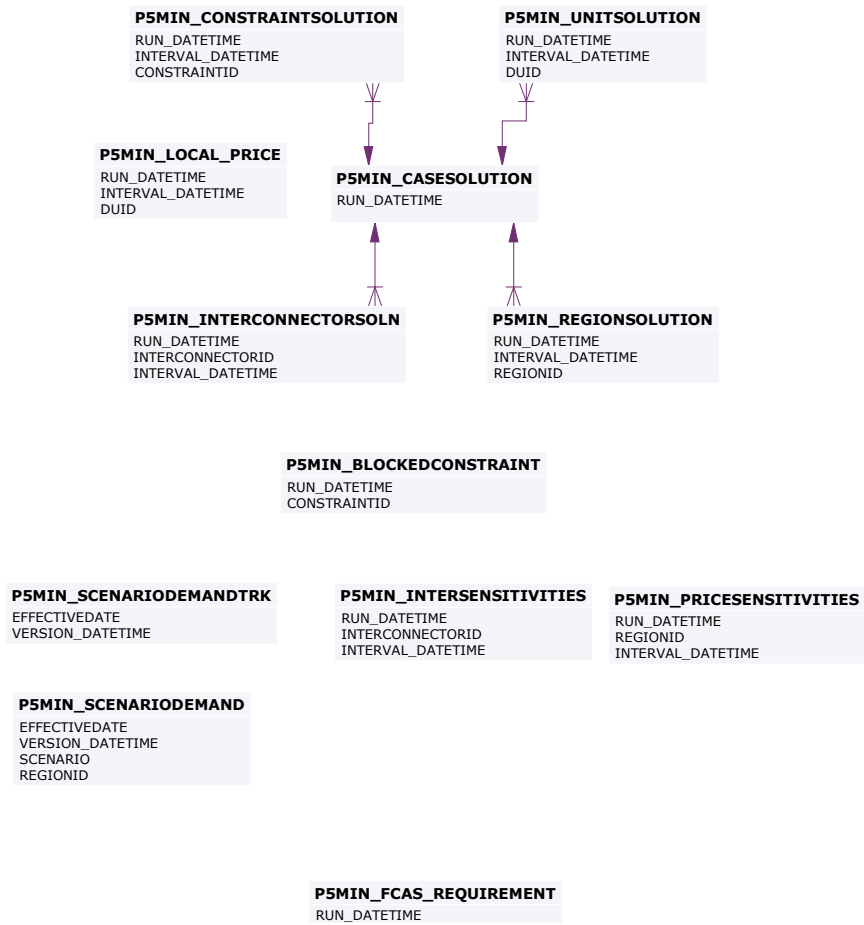
| | |
|----------------|--|
| <i>Name</i> | P5MIN |
| <i>Comment</i> | Results from a published Five-Minute Predispatch Run |

21.1 List of tables

| Name | Comment |
|--------------------------|--|
| P5MIN_BLOCKEDCONSTRAINT | P5MIN Blocked Constraints lists any constraints that were blocked in a P5MIN run. If no constraints are blocked, there will be no rows for that 5 minute predispatch run. |
| P5MIN_CASESOLUTION | <p>The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_CASESOLUTION shows one record containing results pertaining to the entire solution.</p> |
| P5MIN_CONSTRAINTSOLUTION | <p>The Five-Minute Pre-Dispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The Five-Minute Pre-dispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.</p> |
| P5MIN_FCAS_REQUIREMENT | 5-minute Predispatch constraint tracking for Regional FCAS recovery |
| P5MIN_INTERCONNECTORSOLN | <p>The five-minute predispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_INTERCONNECTORSOLN sets out the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.</p> |

| | |
|--------------------------|--|
| P5MIN_INTERSENSITIVITIES | Price Sensitivies for 5MinPD solution. New solution every 5 minutes. Current Scenarios defined in P5MIN_SCENARIODEMANDTRK/P5MIN_SCENARIODEMAND |
| P5MIN_LOCAL_PRICE | Sets out local pricing offsets associated with each DUID connection point for each dispatch period |
| P5MIN_PRICESENSITIVITIES | Price Sensitivies for 5MinPD solution. New solution every 5 minutes. Current Scenarios defined in P5MIN_SCENARIODEMANDTRK/P5MIN_SCENARIODEMAND |
| P5MIN_REGIONSOLUTION | <p>The five-minute predispach (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispach cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study.</p> |
| P5MIN_SCENARIODEMAND | The P5Min scenario MW offsets |
| P5MIN_SCENARIODEMANDTRK | Tracks the 5Min scenario offset updates across time |
| P5MIN_UNITSOLUTION | <p>The five-minute predispach (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispach cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_UNITSOLUTION shows the Unit results from the capacity evaluations for each period of the study.</p> |

21.2 Diagram: Entities: P5MIN



| |
|--|
| INTERVAL_DATETIME CONSTRAINTID REGIONID BIDTYPE |
|--|

21.3 Table: P5MIN_BLOCKEDCONSTRAINT

21.3.1 P5MIN_BLOCKEDCONSTRAINT

| | |
|---------|--|
| Name | P5MIN_BLOCKEDCONSTRAINT |
| Comment | P5MIN Blocked Constraints lists any constraints that were blocked in a P5MIN run. If no constraints are blocked, there will be no rows for that 5 minute predispach run. |

21.3.2 Primary Key Columns

| |
|--------------|
| Name |
| CONSTRAINTID |
| RUN_DATETIME |

21.3.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | 5-minute Predispach Run |
| CONSTRAINTID | VARCHAR2(20) | X | Generic Constraint identifier (synonymous with GenConID) |

21.4 Table: P5MIN_CASESOLUTION

21.4.1 P5MIN_CASESOLUTION

| | |
|---------|--|
| Name | P5MIN_CASESOLUTION |
| Comment | <p>The five-minute predispach (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispach cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_CASESOLUTION shows one record containing results pertaining to the entire solution.</p> |

21.4.2 Description

P5MIN_CASESOLUTION data is public, so is available to all participants.

Source

P5MIN_CASESOLUTION updates every 5 minutes.

Volume

Rows per day: 288

21.4.3 Primary Key Columns

| | |
|------|--------------|
| Name | RUN_DATETIME |
|------|--------------|

21.4.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

21.4.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| STARTINTERVAL_DATETIME | VARCHAR2(20) | | Date and Time of first interval in study |

| | | | |
|------------------------------|---------------|--|---|
| TOTALOBJECTIVE | NUMBER(27,10) | | The Objective function from the LP |
| NONPHYSICALLOSSES | NUMBER(1,0) | | Flag to indicate non-physical losses occurred in this study |
| TOTALAREAGENVIOIATION | NUMBER(15,5) | | Sum of Regional Energy balance violations |
| TOTALINTERCONNECTORVIOIATION | NUMBER(15,5) | | Sum of Interconnector violations of standing data limits |
| TOTALGENERICVIOIATION | NUMBER(15,5) | | Sum of Generic Constraint violations |
| TOTALRAMPRATEVIOIATION | NUMBER(15,5) | | Sum of Unit Ramp Rate violations |
| TOTALUNITMWCAPACITYVIOIATION | NUMBER(15,5) | | Sum of unit capacity violations |
| TOTAL5MINVIOIATION | NUMBER(15,5) | | Sum of regional 5 min FCAS violations |
| TOTALREGVIOIATION | NUMBER(15,5) | | Sum of regional regulation FCAS violations |
| TOTAL6SECVIOIATION | NUMBER(15,5) | | Sum of regional 6 sec FCAS violations |
| TOTAL60SECVIOIATION | NUMBER(15,5) | | Sum of regional 60 sec FCAS violations |
| TOTALENERGYCONSTRVIOIATION | NUMBER(15,5) | | Sum of unit energy constrained violations |
| TOTALENERGYOFFERVIOIATION | NUMBER(15,5) | | Sum of unit offer violations |
| TOTALASPROFILEVIOIATION | NUMBER(15,5) | | Sum of unit FCAS profile offer violations |
| TOTALFASTSTARTVIOIATION | NUMBER(15,5) | | Sum of unit Fast start profile violations |
| LASTCHANGED | DATE | | Last changed date and time of this record |
| INTERVENTION | Number(2,0) | | Flag to indicate if this Predispatch case includes an intervention pricing run: 0 = case does not include an intervention pricing run, 1 = case does include an intervention pricing run. This field has a default value of 0 and is not nullable |

21.5 Table: P5MIN_CONSTRAINTSOLUTION

21.5.1 P5MIN_CONSTRAINTSOLUTION

| | |
|---------|---|
| Name | P5MIN_CONSTRAINTSOLUTION |
| Comment | <p>The Five-Minute Pre-Dispatch (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The Five-Minute Pre-dispatch cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value.</p> |

21.5.2 Description

P5MIN_CONSTRAINTSOLUTION is public data, so is available to all participants.

Source

P5MIN_CONSTRAINTSOLUTION updates every five minutes.

Volume

Rows per day: ~2.3 million

21.5.3 Primary Key Columns

| |
|-------------------|
| Name |
| CONSTRAINTID |
| INTERVAL_DATETIME |
| RUN_DATETIME |

21.5.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

21.5.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|------------------------|--------------|---|---|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| CONSTRAINTID | VARCHAR2(20) | X | Constraint identifier (synonymous with GenConID) |
| RHS | NUMBER(15,5) | | Right Hand Side value in the capacity evaluation |
| MARGINALVALUE | NUMBER(15,5) | | Marginal cost of constraint (>0 if binding) |
| VIOLATIONDEGREE | NUMBER(15,5) | | Amount of Violation (>0 if violating) |
| LASTCHANGED | DATE | | Last date and time record changed |
| DUID | VARCHAR2(20) | | DUID to which the Constraint is confidential. Null denotes non-confidential |
| GENCONID_EFFECTIVEDATE | DATE | | Effective date of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval |
| GENCONID_VERSIONNO | NUMBER(22,0) | | Version number of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval |
| LHS | number(15,5) | | Aggregation of the constraints LHS term solution values |
| INTERVENTION | Number(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run(INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0) |

21.6 Table: P5MIN_FCAS_REQUIREMENT

21.6.1 P5MIN_FCAS_REQUIREMENT

| | |
|---------|---|
| Name | P5MIN_FCAS_REQUIREMENT |
| Comment | 5-minute Predispatch constraint tracking for Regional FCAS recovery |

21.6.2 Primary Key Columns

| |
|-------------------|
| Name |
| BIDTYPE |
| CONSTRAINTID |
| INTERVAL_DATETIME |
| REGIONID |
| RUN_DATETIME |

21.6.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | First interval of the 5-minute Predispatch case |
| INTERVAL_DATETIME | DATE | X | Datetime of the 5-minute Predispatch interval |
| CONSTRAINTID | VARCHAR2(20) | X | ConstraintID Join to table GenConData |
| REGIONID | VARCHAR2(20) | X | Region Identifier |
| BIDTYPE | VARCHAR2(10) | X | DUID offered type |
| INTERVENTION | NUMBER(2,0) | | Intervention flag |
| CONSTRAINT_EFFECTIVEDATE | DATE | | Constraint EffectiveDate Join to table GenConData |
| CONSTRAINT_VERSIONNO | NUMBER(3,0) | | Constraint Version number Join to table GenConData |
| MARGINALVALUE | NUMBER(18,8) | | Marginal \$ value for energy |

| | | | |
|-----------------------|--------------|--|--|
| BASE_COST | NUMBER(18,8) | | The base cost of the constraint for this service, before the regulation/contingency split |
| ADJUSTED_COST | NUMBER(18,8) | | The adjusted cost of the constraint for this service, after the regulation/contingency split |
| ESTIMATED_CMPF | NUMBER(18,8) | | An estimated value for the constraint CMPF, based on 5- minute Predispatch data |
| ESTIMATED_CRMPF | NUMBER(18,8) | | An estimated value for the constraint CRMPF, based on 5-minute Predispatch data |
| RECOVERY_FACTOR_CMPF | NUMBER(18,8) | | Estimated recovery factor for CMPF based recovery |
| RECOVERY_FACTOR_CRMPF | NUMBER(18,8) | | Estimated recovery for CRMPF based recovery |
| LASTCHANGED | DATE | | Last changed date for the record |

21.7 Table: P5MIN_INTERCONNECTORSOLN

21.7.1 P5MIN_INTERCONNECTORSOLN

| | |
|---------|--|
| Name | P5MIN_INTERCONNECTORSOLN |
| Comment | <p>The five-minute predispach (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispach cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_INTERCONNECTORSOLN sets out the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval.</p> |

21.7.2 Description

P5MIN_INTERCONNECTORSOLN is public data, so is available to all participants.

Source

P5MIN_INTERCONNECTORSOLN updates every 5 minutes.

Volume

Rows per day: 1440

Based on 200 interconnector/binding constraints per interval

21.7.3 Primary Key Columns

| |
|-------------------|
| Name |
| INTERCONNECTORID |
| INTERVAL_DATETIME |
| RUN_DATETIME |

21.7.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

21.7.5 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|-------------------|--------------|-----|---|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector identifier |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| METEREDMWFLOW | NUMBER(15,5) | | SCADA MW Flow measured at Run start. For periods subsequent to the first period of a P5MIN run, this value represents the cleared target for the previous period of that P5MIN run. |
| MWFLOW | NUMBER(15,5) | | Cleared Interconnector loading level (MW) |
| MWLOSSES | NUMBER(15,5) | | Interconnector Losses at cleared flow |
| MARGINALVALUE | NUMBER(15,5) | | Marginal cost of Interconnector standing data limits (if binding) |
| VIOLATIONDEGREE | NUMBER(15,5) | | Violation of Interconnector standing data limits |
| MNSP | NUMBER(1,0) | | Flag indicating MNSP registration |
| EXPORTLIMIT | NUMBER(15,5) | | Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit |
| IMPORTLIMIT | NUMBER(15,5) | | Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow. |
| MARGINALLOSS | NUMBER(15,5) | | Marginal loss factor at the cleared flow |
| EXPORTGENCONID | VARCHAR2(20) | | Generic Constraint setting the export limit |
| IMPORTGENCONID | VARCHAR2(20) | | Generic Constraint setting the import limit |
| FCASEXPORTLIMIT | NUMBER(15,5) | | Calculated export limit applying to energy + Frequency Controlled Ancillary Services. |
| FCASIMPORTLIMIT | NUMBER(15,5) | | Calculated import limit applying to energy + Frequency Controlled Ancillary Services. |

| | | | |
|-------------------------------|--------------|--|--|
| LASTCHANGED | DATE | | Last changed date of this record |
| LOCAL_PRICE_ADJUSTMENT_EXPORT | NUMBER(10,2) | | Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0) |
| LOCALLY_CONSTRAINED_EXPORT | NUMBER(1,0) | | Key for Local_Price_Adjustment_Export: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |
| LOCAL_PRICE_ADJUSTMENT_IMPORT | NUMBER(10,2) | | Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0) |
| LOCALLY_CONSTRAINED_IMPORT | NUMBER(1,0) | | Key for Local_Price_Adjustment_Import: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |
| INTERVENTION | Number(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0) |

21.8 Table: P5MIN_INTERSENSITIVITIES

21.8.1 P5MIN_INTERSENSITIVITIES

| | |
|---------|--|
| Name | P5MIN_INTERSENSITIVITIES |
| Comment | Price Sensitivies for 5MinPD solution. New solution every 5 minutes. Current Scenarios defined in P5MIN_SCENARIODEMANDTRK/P5MIN_SCENARIODEMAND |

21.8.2 Primary Key Columns

| |
|-------------------|
| Name |
| INTERCONNECTORID |
| INTERVAL_DATETIME |
| RUN_DATETIME |

21.8.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Definitive Run from which this solution derives |
| INTERCONNECTORID | VARCHAR2(20) | X | Interconnector identifier |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| INTERVENTION | NUMBER(1,0) | X | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0) |
| INTERVENTION_ACTIVE | NUMBER(1,0) | | Flag to indicate if the sensitivity run contains an active intervention constraint: 0 = No, 1 = Yes |
| MWFLOW1 | NUMBER(15,5) | | MW Flow value. Flow1 = MW flow for given Interconnector for Scenario 1 |

| | | | |
|----------|--------------|--|--|
| MWFLOW2 | NUMBER(15,5) | | MW Flow value. Flow2 = MW flow for given Interconnector for Scenario 2 |
| MWFLOW3 | NUMBER(15,5) | | MW Flow value. Flow3 = MW flow for given Interconnector for Scenario 3 |
| MWFLOW4 | NUMBER(15,5) | | MW Flow value. Flow4 = MW flow for given Interconnector for Scenario 4 |
| MWFLOW5 | NUMBER(15,5) | | MW Flow value. Flow5 = MW flow for given Interconnector for Scenario 5 |
| MWFLOW6 | NUMBER(15,5) | | MW Flow value. Flow6 = MW flow for given Interconnector for Scenario 6 |
| MWFLOW7 | NUMBER(15,5) | | MW Flow value. Flow7 = MW flow for given Interconnector for Scenario 7 |
| MWFLOW8 | NUMBER(15,5) | | MW Flow value. Flow8 = MW flow for given Interconnector for Scenario 8 |
| MWFLOW9 | NUMBER(15,5) | | MW Flow value. Flow9 = MW flow for given Interconnector for Scenario 9 |
| MWFLOW10 | NUMBER(15,5) | | MW Flow value. Flow10 = MW flow for given Interconnector for Scenario 10 |
| MWFLOW11 | NUMBER(15,5) | | MW Flow value. Flow11 = MW flow for given Interconnector for Scenario 11 |
| MWFLOW12 | NUMBER(15,5) | | MW Flow value. Flow12 = MW flow for given Interconnector for Scenario 12 |
| MWFLOW13 | NUMBER(15,5) | | MW Flow value. Flow13 = MW flow for given Interconnector for Scenario 13 |
| MWFLOW14 | NUMBER(15,5) | | MW Flow value. Flow14 = MW flow for given Interconnector for Scenario 14 |
| MWFLOW15 | NUMBER(15,5) | | MW Flow value. Flow15 = MW flow for given Interconnector for Scenario 15 |
| MWFLOW16 | NUMBER(15,5) | | MW Flow value. Flow16 = MW flow for given Interconnector for Scenario 16 |
| MWFLOW17 | NUMBER(15,5) | | MW Flow value. Flow17 = MW flow for given Interconnector for Scenario 17 |
| MWFLOW18 | NUMBER(15,5) | | MW Flow value. Flow18 = MW flow for given Interconnector for Scenario 18 |
| MWFLOW19 | NUMBER(15,5) | | MW Flow value. Flow19 = MW flow for given Interconnector for Scenario 19 |

| | | | |
|----------|--------------|--|--|
| MWFLOW20 | NUMBER(15,5) | | MW Flow value. Flow20 = MW flow for given Interconnector for Scenario 20 |
| MWFLOW21 | NUMBER(15,5) | | MW Flow value. Flow21 = MW flow for given Interconnector for Scenario 21 |
| MWFLOW22 | NUMBER(15,5) | | MW Flow value. Flow22 = MW flow for given Interconnector for Scenario 22 |
| MWFLOW23 | NUMBER(15,5) | | MW Flow value. Flow23 = MW flow for given Interconnector for Scenario 23 |
| MWFLOW24 | NUMBER(15,5) | | MW Flow value. Flow24 = MW flow for given Interconnector for Scenario 24 |
| MWFLOW25 | NUMBER(15,5) | | MW Flow value. Flow25 = MW flow for given Interconnector for Scenario 25 |
| MWFLOW26 | NUMBER(15,5) | | MW Flow value. Flow26 = MW flow for given Interconnector for Scenario 26 |
| MWFLOW27 | NUMBER(15,5) | | MW Flow value. Flow27 = MW flow for given Interconnector for Scenario 27 |
| MWFLOW28 | NUMBER(15,5) | | MW Flow value. Flow28 = MW flow for given Interconnector for Scenario 28 |
| MWFLOW29 | NUMBER(15,5) | | MW Flow value. Flow29 = MW flow for given Interconnector for Scenario 29 |
| MWFLOW30 | NUMBER(15,5) | | MW Flow value. Flow30 = MW flow for given Interconnector for Scenario 30 |
| MWFLOW31 | NUMBER(15,5) | | MW Flow value. Flow31 = MW flow for given Interconnector for Scenario 31 |
| MWFLOW32 | NUMBER(15,5) | | MW Flow value. Flow32 = MW flow for given Interconnector for Scenario 32 |
| MWFLOW33 | NUMBER(15,5) | | MW Flow value. Flow33 = MW flow for given Interconnector for Scenario 33 |
| MWFLOW34 | NUMBER(15,5) | | MW Flow value. Flow34 = MW flow for given Interconnector for Scenario 34 |
| MWFLOW35 | NUMBER(15,5) | | MW Flow value. Flow35 = MW flow for given Interconnector for Scenario 35 |
| MWFLOW36 | NUMBER(15,5) | | MW Flow value. Flow36 = MW flow for given Interconnector for Scenario 36 |
| MWFLOW37 | NUMBER(15,5) | | MW Flow value. Flow37 = MW flow for given Interconnector for Scenario 37 |

| | | | |
|-------------|--------------|--|--|
| MWFLOW38 | NUMBER(15,5) | | MW Flow value. Flow38 = MW flow for given Interconnector for Scenario 38 |
| MWFLOW39 | NUMBER(15,5) | | MW Flow value. Flow39 = MW flow for given Interconnector for Scenario 39 |
| MWFLOW40 | NUMBER(15,5) | | MW Flow value. Flow40 = MW flow for given Interconnector for Scenario 40 |
| MWFLOW41 | NUMBER(15,5) | | MW Flow value. Flow41 = MW flow for given Interconnector for Scenario 41 |
| MWFLOW42 | NUMBER(15,5) | | MW Flow value. Flow42 = MW flow for given Interconnector for Scenario 42 |
| MWFLOW43 | NUMBER(15,5) | | MW Flow value. Flow43 = MW flow for given Interconnector for Scenario 43 |
| LASTCHANGED | DATE | | Timestamp when this record was last modified |

21.9 Table: P5MIN_LOCAL_PRICE

21.9.1 P5MIN_LOCAL_PRICE

| | |
|---------|--|
| Name | P5MIN_LOCAL_PRICE |
| Comment | Sets out local pricing offsets associated with each DUID connection point for each dispatch period |

21.9.2 Primary Key Columns

| |
|-------------------|
| Name |
| DUID |
| INTERVAL_DATETIME |
| RUN_DATETIME |

21.9.3 Index Columns

| |
|-------------------|
| Name |
| RUN_DATETIME |
| INTERVAL_DATETIME |
| DUID |

21.9.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|---------------|-----------|---|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| DUID | VARCHAR2(20) | X | Dispatchable unit identifier |
| LOCAL_PRICE_ADJUSTMENT | NUMBER(10, 2) | | Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints |
| LOCALLY_CONSTRAINED | NUMBER(1,0) | | Key for Local_Price_Adjustment: 2 = at |

| | | | |
|--|--|--|---|
| | | | least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |
|--|--|--|---|

21.10 Table: P5MIN_PRICESENSITIVITIES

21.10.1 P5MIN_PRICESENSITIVITIES

| | |
|---------|--|
| Name | P5MIN_PRICESENSITIVITIES |
| Comment | Price Sensitivies for 5MinPD solution. New solution every 5 minutes. Current Scenarios defined in P5MIN_SCENARIODEMANDTRK/P5MIN_SCENARIODEMAND |

21.10.2 Primary Key Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| REGIONID |
| RUN_DATETIME |

21.10.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Definitive Run from which this solution derives |
| REGIONID | VARCHAR2(20) | X | Region |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| INTERVENTION | NUMBER(1,0) | X | Whether an Intervention constraint was defined in this run |
| INTERVENTION_ACTIVE | NUMBER(1,0) | | Flag to indicate if the sensitivity run contains an active intervention constraint: 0 = No, 1 = Yes |
| RRP1 | NUMBER(15,5) | | Regional Reference price for scenario 1 |
| RRP2 | NUMBER(15,5) | | Regional Reference price for scenario 2 |
| RRP3 | NUMBER(15,5) | | Regional Reference price for scenario 3 |
| RRP4 | NUMBER(15,5) | | Regional Reference price for scenario 4 |

| | | | |
|-------|--------------|--|--|
| RRP5 | NUMBER(15,5) | | Regional Reference price for scenario 5 |
| RRP6 | NUMBER(15,5) | | Regional Reference price for scenario 6 |
| RRP7 | NUMBER(15,5) | | Regional Reference price for scenario 7 |
| RRP8 | NUMBER(15,5) | | Regional Reference price for scenario 8 |
| RRP9 | NUMBER(15,5) | | Regional Reference price for scenario 9 |
| RRP10 | NUMBER(15,5) | | Regional Reference price for scenario 10 |
| RRP11 | NUMBER(15,5) | | Regional Reference price for scenario 11 |
| RRP12 | NUMBER(15,5) | | Regional Reference price for scenario 12 |
| RRP13 | NUMBER(15,5) | | Regional Reference price for scenario 13 |
| RRP14 | NUMBER(15,5) | | Regional Reference price for scenario 14 |
| RRP15 | NUMBER(15,5) | | Regional Reference price for scenario 15 |
| RRP16 | NUMBER(15,5) | | Regional Reference price for scenario 16 |
| RRP17 | NUMBER(15,5) | | Regional Reference price for scenario 17 |
| RRP18 | NUMBER(15,5) | | Regional Reference price for scenario 18 |
| RRP19 | NUMBER(15,5) | | Regional Reference price for scenario 19 |
| RRP20 | NUMBER(15,5) | | Regional Reference price for scenario 20 |
| RRP21 | NUMBER(15,5) | | Regional Reference price for scenario 21 |
| RRP22 | NUMBER(15,5) | | Regional Reference price for scenario 22 |
| RRP23 | NUMBER(15,5) | | Regional Reference price for scenario 23 |
| RRP24 | NUMBER(15,5) | | Regional Reference price for scenario 24 |
| RRP25 | NUMBER(15,5) | | Regional Reference price for scenario 25 |
| RRP26 | NUMBER(15,5) | | Regional Reference price for scenario 26 |
| RRP27 | NUMBER(15,5) | | Regional Reference price for scenario 27 |
| RRP28 | NUMBER(15,5) | | Regional Reference price for scenario 28 |
| RRP29 | NUMBER(15,5) | | Regional Reference price for scenario 29 |
| RRP30 | NUMBER(15,5) | | Regional Reference price for scenario 30 |

| | | | |
|-------------|--------------|--|--|
| RRP31 | NUMBER(15,5) | | Regional Reference price for scenario 31 |
| RRP32 | NUMBER(15,5) | | Regional Reference price for scenario 32 |
| RRP33 | NUMBER(15,5) | | Regional Reference price for scenario 33 |
| RRP34 | NUMBER(15,5) | | Regional Reference price for scenario 34 |
| RRP35 | NUMBER(15,5) | | Regional Reference price for scenario 35 |
| RRP36 | NUMBER(15,5) | | Regional Reference price for scenario 36 |
| RRP37 | NUMBER(15,5) | | Regional Reference price for scenario 37 |
| RRP38 | NUMBER(15,5) | | Regional Reference price for scenario 38 |
| RRP39 | NUMBER(15,5) | | Regional Reference price for scenario 39 |
| RRP40 | NUMBER(15,5) | | Regional Reference price for scenario 40 |
| RRP41 | NUMBER(15,5) | | Regional Reference price for scenario 41 |
| RRP42 | NUMBER(15,5) | | Regional Reference price for scenario 42 |
| RRP43 | NUMBER(15,5) | | Regional Reference price for scenario 43 |
| LASTCHANGED | DATE | | Timestamp when this record was last modified |

21.11 Table: P5MIN_REGIONSOLUTION

21.11.1 P5MIN_REGIONSOLUTION

| | |
|---------|--|
| Name | P5MIN_REGIONSOLUTION |
| Comment | <p>The five-minute predispach (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispach cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.</p> <p>P5MIN_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study.</p> |

21.11.2 Description

P5MIN_REGIONSOLUTION is public data, so is available to all participants.

Source

P5MIN_REGIONSOLUTION updates every 5 minutes.

Volume

Rows per day: 1440

21.11.3 Primary Key Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |
| REGIONID |
| RUN_DATETIME |

21.11.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

21.11.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| RRP | NUMBER(15,5) | | Region Reference Price (Energy) |
| ROP | NUMBER(15,5) | | Region Override Price (Energy) |
| EXCESSGENERATION | NUMBER(15,5) | | Total Energy Imbalance (MW) |
| RAISE6SECRRP | NUMBER(15,5) | | Region Reference Price (Raise6Sec) |
| RAISE6SECROP | NUMBER(15,5) | | Original regional price (Raise6Sec) |
| RAISE60SECRRP | NUMBER(15,5) | | Region Reference Price (Raise60Sec) |
| RAISE60SECROP | NUMBER(15,5) | | Original regional price (Raise60Sec) |
| RAISE5MINRRP | NUMBER(15,5) | | Region Reference Price (Raise5Min) |
| RAISE5MINROP | NUMBER(15,5) | | Original regional price (Raise5Min) |
| RAISEREGRRP | NUMBER(15,5) | | Region Reference Price (RaiseReg) |
| RAISEREGROP | NUMBER(15,5) | | Original regional price (RaiseReg) |
| LOWER6SECRRP | NUMBER(15,5) | | Region Reference Price (Lower6Sec) |
| LOWER6SECROP | NUMBER(15,5) | | Original regional price (Lower6Sec) |
| LOWER60SECRRP | NUMBER(15,5) | | Region Reference Price (Lower60Sec) |
| LOWER60SECROP | NUMBER(15,5) | | Original regional price (Lower60Sec) |
| LOWER5MINRRP | NUMBER(15,5) | | Region Reference Price (Lower5Min) |
| LOWER5MINROP | NUMBER(15,5) | | Original regional price (Lower5Min) |
| LOWERREGRRP | NUMBER(15,5) | | Region Reference Price (LowerReg) |
| LOWERREGROP | NUMBER(15,5) | | Original regional price (LowerReg) |
| TOTALDEMAND | NUMBER(15,5) | | Regional Demand - NB NOT net of Interconnector flows or Loads |

| | | | |
|-------------------------|--------------|--|---|
| AVAILABLEGENERATION | NUMBER(15,5) | | Regional Available generation |
| AVAILABLELOAD | NUMBER(15,5) | | Regional Available Load |
| DEMANDFORECAST | NUMBER(15,5) | | Predicted change in regional demand for this interval |
| DISPATCHABLEGENERATION | NUMBER(15,5) | | Regional Generation Dispatched |
| DISPATCHABLELOAD | NUMBER(15,5) | | Regional Load Dispatched |
| NETINTERCHANGE | NUMBER(15,5) | | Net interconnector Flows |
| LOWER5MINDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min MW dispatch |
| LOWER5MINIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min MW imported |
| LOWER5MINLOCALDISPATCH | NUMBER(15,5) | | Lower 5 min local dispatch |
| LOWER5MINLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min local requirement |
| LOWER5MINREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min total requirement |
| LOWER60SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec MW dispatch |
| LOWER60SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec MW imported |
| LOWER60SECLOCALDISPATCH | NUMBER(15,5) | | Lower 60 sec local dispatch |
| LOWER60SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec local requirement |
| LOWER60SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec total requirement |
| LOWER6SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec MW dispatch |
| LOWER6SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec MW imported |
| LOWER6SECLOCALDISPATCH | NUMBER(15,5) | | Lower 6 sec local dispatch |
| LOWER6SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec local requirement |

| | | | |
|-------------------------|--------------|--|---|
| LOWER6SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec total requirement |
| RAISE5MINDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Total Raise 5 min MW dispatch |
| RAISE5MINIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min MW imported |
| RAISE5MINLOCALDISPATCH | NUMBER(15,5) | | Raise 5 min local dispatch |
| RAISE5MINLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min local requirement |
| RAISE5MINREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min total requirement |
| RAISE60SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec MW dispatch |
| RAISE60SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec MW imported |
| RAISE60SECLOCALDISPATCH | NUMBER(15,5) | | Raise 50 sec local dispatch |
| RAISE60SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec local requirement |
| RAISE60SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec total requirement |
| RAISE6SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec MW dispatch |
| RAISE6SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec MW imported |
| RAISE6SECLOCALDISPATCH | NUMBER(15,5) | | Raise 6 sec local dispatch |
| RAISE6SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec local requirement |
| RAISE6SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec total requirement |
| AGGREGATEDISPATCHERROR | NUMBER(15,5) | | Aggregate dispatch error applied |
| INITIALSUPPLY | NUMBER(15,5) | | Sum of initial generation and import for region |
| CLEAREDSUPPLY | NUMBER(15,5) | | Sum of cleared generation and import for |

| | | | |
|--------------------------|--------------|--|---|
| | | | region |
| LOWERREGIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation MW imported |
| LOWERREGDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Total Lower Regulation dispatch |
| LOWERREGLOCALDISPATCH | NUMBER(15,5) | | Lower Regulation local dispatch |
| LOWERREGLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation local requirement |
| LOWERREGREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation total requirement |
| RAISEREGIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation MW imported |
| RAISEREGDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Total Raise Regulation dispatch |
| RAISEREGLOCALDISPATCH | NUMBER(15,5) | | Raise Regulation local dispatch |
| RAISEREGLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation local requirement |
| RAISEREGREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation total requirement |
| RAISE5MINLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement |
| RAISEREGLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise Reg local requirement |
| RAISE60SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement |
| RAISE6SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement |
| LOWER5MINLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement |
| LOWERREGLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower Reg local requirement |
| LOWER60SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement |
| LOWER6SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement |

| | | | |
|-----------------------------|--------------|--|---|
| RAISE5MINVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 5 min requirement |
| RAISEREGVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise Reg requirement |
| RAISE60SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement |
| RAISE6SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement |
| LOWER5MINVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 5 min requirement |
| LOWERREGVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower Reg requirement |
| LOWER60SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement |
| LOWER6SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement |
| LASTCHANGED | DATE | | Last date and time record changed |
| TOTALINTERMITTENTGENERATION | NUMBER(15,5) | | Allowance made for non-scheduled generation in the demand forecast (MW). |
| DEMAND_AND_NONSCHEDGEN | NUMBER(15,5) | | Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW). |
| UIGF | NUMBER(15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW). |
| SEMISCHEDULE_CLEARED MW | NUMBER(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW |
| SEMISCHEDULE_COMPLIANCE MW | NUMBER(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced |
| INTERVENTION | Number(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0 |

| | | | |
|-----------------------|---------------|--|---|
| SS_SOLAR_UIGF | Number(15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is solar |
| SS_WIND_UIGF | Number (15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is wind |
| SS_SOLAR_CLEAREDMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is solar |
| SS_WIND_CLEAREDMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is wind |
| SS_SOLAR_COMPLIANCEMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is solar |
| SS_WIND_COMPLIANCEMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is wind |
| WDR_INITIALMW | NUMBER(15,5) | | Regional aggregated MW value at start of interval for Wholesale Demand Response (WDR) units |
| WDR_AVAILABLE | NUMBER(15,5) | | Regional aggregated available MW for Wholesale Demand Response (WDR) units |
| WDR_DISPATCHED | NUMBER(15,5) | | Regional aggregated dispatched MW for Wholesale Demand Response (WDR) units |
| SS_SOLAR_AVAILABILITY | NUMBER(15,5) | | For Semi-Scheduled units. Aggregate Energy Availability from Solar units in that region |
| SS_WIND_AVAILABILITY | NUMBER(15,5) | | For Semi-Scheduled units. Aggregate Energy Availability from Wind units in that region |
| RAISE1SECRRP | NUMBER(15,5) | | Regional Raise 1Sec Price - R1Price attribute after capping/flooring |
| RAISE1SECROP | NUMBER(15,5) | | Raise1Sec Regional Original Price - uncapped/unfloored and unscaled |

| | | | |
|-----------------------------|--------------|--|--|
| LOWER1SECRRP | NUMBER(15,5) | | Regional Lower 1Sec Price - RegionSolution element L1Price attribute |
| LOWER1SECROP | NUMBER(15,5) | | Lower1Sec Regional Original Price - uncapped/unfloored and unscaled |
| RAISE1SECLOCALDISPATCH | NUMBER(15,5) | | Total Raise1Sec Dispatched in Region - RegionSolution element R1Dispatch attribute |
| LOWER1SECLOCALDISPATCH H | NUMBER(15,5) | | Total Lower1Sec Dispatched in Region - RegionSolution element L1Dispatch attribute |

21.12 Table: P5MIN_SCENARIODEMAND

21.12.1 P5MIN_SCENARIODEMAND

| | |
|---------|-------------------------------|
| Name | P5MIN_SCENARIODEMAND |
| Comment | The P5Min scenario MW offsets |

21.12.2 Primary Key Columns

| |
|------------------|
| Name |
| EFFECTIVEDATE |
| REGIONID |
| SCENARIO |
| VERSION_DATETIME |

21.12.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| EFFECTIVEDATE | DATE | X | The effective date of this set of scenarios |
| VERSION_DATETIME | DATE | X | The version of this set of scenarios |
| SCENARIO | NUMBER(2,0) | X | The scenario identifier |
| REGIONID | VARCHAR2(20) | X | The region to which to apply the deltaMW for this SCENARIO |
| DELTAMW | NUMBER(4,0) | | The MW offset to apply to region total demand for this SCENARIO |

21.13 Table: P5MIN_SCENARIODEMANDTRK

21.13.1 P5MIN_SCENARIODEMANDTRK

| | |
|---------|---|
| Name | P5MIN_SCENARIODEMANDTRK |
| Comment | Tracks the 5Min scenario offset updates across time |

21.13.2 Primary Key Columns

| |
|------------------|
| Name |
| EFFECTIVEDATE |
| VERSION_DATETIME |

21.13.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|-----------|-----------|--|
| EFFECTIVEDATE | DATE | X | The effective date of this set of scenarios |
| VERSION_DATETIME | DATE | X | The version of this set of scenarios |
| AUTHORISEDDATE | DATE | | The datetime that the scenario update was authorised |
| LASTCHANGED | DATE | | The datetime that the record was last changed |

21.14 Table: P5MIN_UNITSOLUTION

21.14.1 P5MIN_UNITSOLUTION

Name P5MIN_UNITSOLUTION

Comment The five-minute predispach (P5Min) is a MMS system providing projected dispatch for 12 Dispatch cycles (one hour). The 5-minute Predispach cycle runs every 5-minutes to produce a dispatch and pricing schedule to a 5-minute resolution covering the next hour, a total of twelve periods.

P5MIN_UNITSOLUTION shows the Unit results from the capacity evaluations for each period of the study.

21.14.2 Description

P5MIN_UNITSOLUTION data is confidential, so shows own details for participant.

Source

P5MIN_UNITSOLUTION updates every 5 minutes for all units, even zero targets.

Volume

Rows per day: 57600

Based on 200 units per Interval

Note

A bitwise flag exists for each ancillary service type such that a unit trapped or stranded in one or more service type can be immediately identified. The SPD Formulation document details the logic determining whether a unit is "trapped" or "stranded". The flag is defined as follows:

| Flagged Condition | Bit | Description | Field value |
|---------------------|-----|---|-------------|
| FCAS profile active | 0 | The bid profile for this service has been activated such that the unit is available to be cleared to provide this ancillary service type. | 1 or 3 |
| Trapped | 1 | The unit is enabled to provide this ancillary service type, however the profile for this service type is causing the unit to be trapped in the energy market. | 3 |
| Stranded | 2 | The unit is bid available to provide this ancillary service type, however, the unit is operating in the energy market outside of the profile for this service type and is stranded from providing this service. | 4 |

21.14.3 Primary Key Columns

Name

DUID

INTERVAL_DATETIME

RUN_DATETIME

21.14.4 Index Columns

Name

LASTCHANGED

21.14.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| CONNECTIONPOINTID | VARCHAR2(12) | | Connection point identifier for DUID |
| TRADETYPE | NUMBER(2,0) | | Generator or Load |
| AGCSTATUS | NUMBER(2,0) | | AGC Status from EMS: 1 = on, 0 = off |
| INITIALMW | NUMBER(15,5) | | Initial MW at start of period. For periods subsequent to the first period of a P5MIN run, this value represents the cleared target for the previous period of that P5MIN run. |
| TOTALCLEARED | NUMBER(15,5) | | Target MW for end of period |
| RAMPDOWNRATE | NUMBER(15,5) | | Ramp down rate (lessor of bid or telemetered rate). |
| RAMPUPRATE | NUMBER(15,5) | | Ramp up rate (lessor of bid or telemetered rate). |
| LOWER5MIN | NUMBER(15,5) | | Lower 5 min reserve target |
| LOWER60SEC | NUMBER(15,5) | | Lower 60 sec reserve target |
| LOWER6SEC | NUMBER(15,5) | | Lower 6 sec reserve target |
| RAISE5MIN | NUMBER(15,5) | | Raise 5 min reserve target |
| RAISE60SEC | NUMBER(15,5) | | Raise 60 sec reserve target |
| RAISE6SEC | NUMBER(15,5) | | Raise 6 sec reserve target |

| | | | |
|------------------|--------------|--|--|
| LOWERREG | NUMBER(15,5) | | Lower Regulation reserve target |
| RAISEREG | NUMBER(15,5) | | Raise Regulation reserve target |
| AVAILABILITY | NUMBER(15,5) | | For Scheduled units, this is the MAXAVAIL bid availability For Semi-scheduled units, this is the lower of MAXAVAIL bid availability and UIGF |
| RAISE6SECFLAGS | NUMBER(3,0) | | Raise 6sec status flag |
| RAISE60SECFLAGS | NUMBER(3,0) | | Raise 60sec status flag |
| RAISE5MINFLAGS | NUMBER(3,0) | | Raise 5min status flag |
| RAISEREGFLAGS | NUMBER(3,0) | | Raise Reg status flag |
| LOWER6SECFLAGS | NUMBER(3,0) | | Lower 6sec status flag |
| LOWER60SECFLAGS | NUMBER(3,0) | | Lower 60sec status flag |
| LOWER5MINFLAGS | NUMBER(3,0) | | Lower 5min status flag |
| LOWERREGFLAGS | NUMBER(3,0) | | Lower Reg status flag |
| LASTCHANGED | DATE | | Last date and time record changed |
| SEMIDISPATCHCAP | NUMBER(3,0) | | Boolean representation flagging if the Target is Capped |
| INTERVENTION | Number(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run(INTERVENTION=1). In the event there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0 |
| DISPATCHMODETIME | NUMBER(4,0) | | Minutes for which the unit has been in the current DISPATCHMODE. From NEMDE TRADERSOLUTION element FSTARGETMODETIME attribute. |
| CONFORMANCE_MODE | NUMBER(6,0) | | Mode specific to units within an aggregate. 0 - no monitoring, 1 - aggregate monitoring, 2 - individual monitoring due to constraint |
| UIGF | NUMBER(15,5) | | For Semi-Scheduled units. Unconstrained Intermittent Generation Forecast value provided to NEMDE |
| RAISE1SEC | NUMBER(15,5) | | Dispatched Raise1Sec - TraderSolution |

| | | | |
|----------------|--------------|--|--|
| | | | element R1Target attribute |
| RAISE1SECFLAGS | NUMBER(3,0) | | TraderSolution element R1Flags attribute |
| LOWER1SEC | NUMBER(15,5) | | Dispatched Lower1Sec - TraderSolution element L1Target attribute |
| LOWER1SECFLAGS | NUMBER(3,0) | | TraderSolution element L1Flags attribute |

22 Package: PARTICIPANT_REGISTRATION

Name PARTICIPANT_REGISTRATION

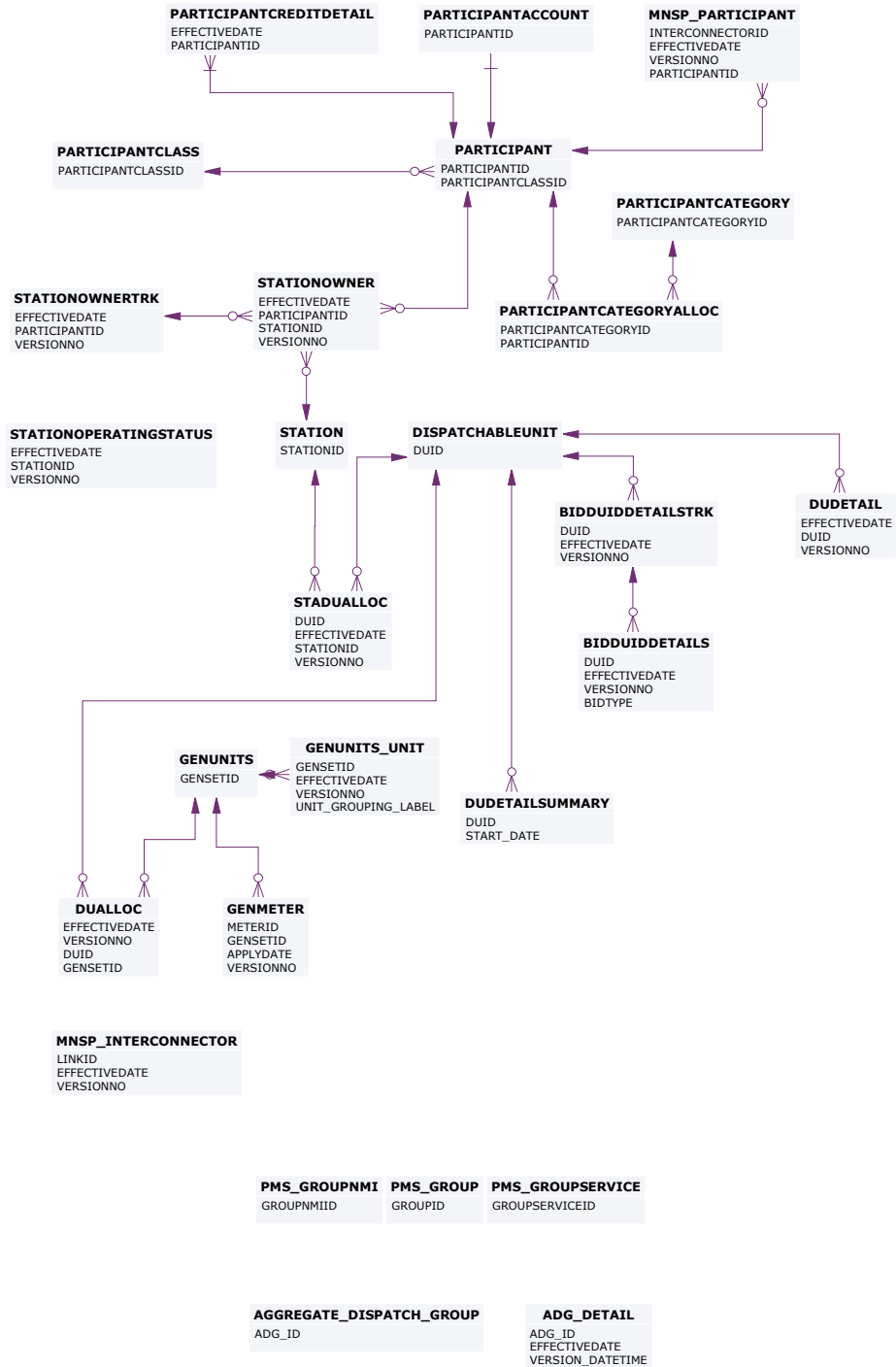
Comment Participant registration data

22.1 List of tables

| Name | Comment |
|--------------------------|---|
| ADG_DETAIL | Table for tracking evolving Aggregate Dispatch Group attributes |
| AGGREGATE_DISPATCH_GROUP | Entity allowing for compliance monitoring over grouped DUIDs |
| BIDDUIDDETAILS | BIDDUIDDETAILS and the associated tracking object BIDDUIDDETAILSTRK define the registration data for each ancillary service a dispatchable unit is registered to provide. The registration data is required to validate a dispatchable unit bid submitted for that ancillary service. |
| BIDDUIDDETAILSTRK | BIDDUIDDETAILSTRK shows the tracking for the associated object BIDDUIDDETAILS. Together, BIDDUIDDETAILSTRK and BIDDUIDDETAILS define the registration data for each ancillary service a dispatchable unit is registered to provide. The registration data is required to validate a dispatchable unit bid submitted for that ancillary service. |
| DISPATCHABLEUNIT | DISPATCHABLEUNIT sets out the unit name and type of each dispatchable unit in the market. |
| DUALLOC | DUALLOC cross references dispatch unit identifier to genset ID for each participant. |
| DUDETAIL | DUDETAIL sets out a records specific details for each unit including start type and whether normally on or off load. Much of this data is information only and is not used in dispatch or settlements. |
| DUDETAILSUMMARY | DUDETAILSUMMARY sets out a single summary unit table so reducing the need for participants to use the various dispatchable unit detail and owner tables to establish generating unit specific details. |
| GENMETER | GENMETER shows details of generator meter sets. |
| GENUNITS | GENUNITS shows Genset details for each physical unit with the relevant station. |

| | |
|--------------------------|---|
| GENUNITS_UNIT | Physical units within a Gen Unit Set |
| MNSP_INTERCONNECTOR | MNSP_INTERCONNECTOR sets out attributes of each interconnector. |
| MNSP_PARTICIPANT | MNSP_PARTICIPANT registers MNSP ownership. |
| PARTICIPANT | PARTICIPANT sets out Participant ID, name and class for all participants. |
| PARTICIPANTACCOUNT | PARTICIPANTACCOUNT shows financial details on participants. |
| PARTICIPANTCATEGORY | PARTICIPANTCATEGORY sets out valid participant categories. |
| PARTICIPANTCATEGORYALLOC | PARTICIPANTCATEGORYALLOC sets out the assignment of participants to particular categories. |
| PARTICIPANTCLASS | PARTICIPANTCLASS sets out valid participant classifications. |
| PARTICIPANTCREDITDETAIL | |
| PMS_GROUP | Entity table for group |
| PMS_GROUPNMI | Describe the NMIs that a group uses to provide its service |
| PMS_GROUPSERVICE | Describe the services a group provides and its relation to a market |
| STADUALLOC | STADUALLOC sets out details on the allocation of dispatchable units to particular sites or stations. |
| STATION | STATION sets out valid station identifiers. |
| STATIONOPERATINGSTATUS | STATIONOPERATINGSTATUS sets out the operating status of each station. |
| STATIONOWNER | STATIONOWNER sets out the owner details of each station. |
| STATIONOWNERTRK | STATIONOWNERTRK shows the tracking for the associated object STATIONOWNER. Together, STATIONOWNERTRK and STATIONOWNER sets out the owner details of each station. |

22.2 Diagram: Entities: Participant Registration



22.3 Table: ADG_DETAIL

22.3.1 ADG_DETAIL

Name ADG_DETAIL

Comment Table for tracking evolving Aggregate Dispatch Group attributes

22.3.2 Primary Key Columns

Name

ADG_ID

EFFECTIVEDATE

VERSION_DATETIME

22.3.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| ADG_ID | VARCHAR2(20) | X | Identifies the Aggregate Dispatch Group |
| EFFECTIVEDATE | DATE | X | Effective calendar date of record |
| VERSION_DATETIME | DATE | X | Date and time of the version of Dispatchable Unit details |
| ADG_TYPE | VARCHAR2(20) | | Conformance Type for the Aggregate Dispatch Group. One of the following: CAP, MIXED, TARGET |
| AUTHORISEDDATE | DATE | | Date record authorised |
| AUTHORISEDBY | VARCHAR2(15) | | User authorising record |
| LASTCHANGED | DATE | | Last date and time record changed |

22.4 Table: AGGREGATE_DISPATCH_GROUP

22.4.1 AGGREGATE_DISPATCH_GROUP

Name AGGREGATE_DISPATCH_GROUP

Comment Entity allowing for compliance monitoring over grouped DUIDs

22.4.2 Primary Key Columns

Name

ADG_ID

22.4.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------|---------------|-----------|-----------------------------------|
| ADG_ID | VARCHAR2(20) | X | Aggregate Dispatch Group ID |
| COMMENTS | VARCHAR2(100) | | A participant provided comment |
| LASTCHANGED | DATE | | Last date and time record changed |

22.5 Table: BIDDUIDDETAILS

22.5.1 BIDDUIDDETAILS

| | |
|---------|---|
| Name | BIDDUIDDETAILS |
| Comment | BIDDUIDDETAILS and the associated tracking object BIDDUIDDETAILSTRK define the registration data for each ancillary service a dispatchable unit is registered to provide. The registration data is required to validate a dispatchable unit bid submitted for that ancillary service. |

22.5.2 Description

BIDDUIDDETAILS data is public to participants.

Source

BIDDUIDDETAILS updates as dispatchable unit registration details are modified.

Volume

Approximately 1000 records per year.

22.5.3 Primary Key Columns

Name
 BIDTYPE
 DUID
 EFFECTIVEDATE
 VERSIONNO

22.5.4 Index Columns

Name
 LASTCHANGED

22.5.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|--------------------|--------------|---|--|
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| EFFECTIVEDATE | DATE | X | Market date starting at 04:30 inclusive |
| VERSIONNO | NUMBER(3,0) | X | Record version number |
| BIDTYPE | VARCHAR2(10) | X | Bid Type Identifier |
| MAXCAPACITY | NUMBER(22,0) | | Maximum Capacity of this DUID for this BIDTYPE |
| MINENABLEMENTLEVEL | NUMBER(22,0) | | Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only) |
| MAXENABLEMENTLEVEL | NUMBER(22,0) | | Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only) |
| MAXLOWERANGLE | NUMBER(3,0) | | Maximum Angle at the lower end of the ancillary service profile (Degrees) |
| MAXUPPERANGLE | NUMBER(3,0) | | Maximum Angle at the upper end of the ancillary service profile (Degrees) |
| LASTCHANGED | DATE | | Last date and time record changed |

22.6 Table: BIDDUIDDETAILSTRK

22.6.1 BIDDUIDDETAILSTRK

| | |
|---------|---|
| Name | BIDDUIDDETAILSTRK |
| Comment | BIDDUIDDETAILSTRK shows the tracking for the associated object BIDDUIDDETAILS. Together, BIDDUIDDETAILSTRK and BIDDUIDDETAILS define the registration data for each ancillary service a dispatchable unit is registered to provide. The registration data is required to validate a dispatchable unit bid submitted for that ancillary service. |

22.6.2 Description

BIDDUIDDETAILSTRK data is public to participants.

Source

BIDDUIDDETAILSTRK updates as dispatchable unit registration details are modified.

Volume

Approximately 200 records per year

22.6.3 Primary Key Columns

Name
 DUID
 EFFECTIVEDATE
 VERSIONNO

22.6.4 Index Columns

Name
 LASTCHANGED

22.6.5 Content

| Name | Data Type | Mandatory | Comment |
|------|--------------|-----------|------------------------------|
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |

| | | | |
|----------------|--------------|---|--|
| EFFECTIVEDATE | DATE | X | Market date starting at 04:30 inclusive |
| VERSIONNO | NUMBER(3,0) | X | Record version number |
| AUTHORISEDDATE | DATE | | Date of record authorisation. A NULL value indicates the record is not authorised. |
| AUTHORISEDBY | VARCHAR2(15) | | User that authorised record. A NULL value indicates the record is not authorised. |
| LASTCHANGED | DATE | | Last date and time record changed |

22.7 Table: DISPATCHABLEUNIT

22.7.1 DISPATCHABLEUNIT

| | |
|---------|---|
| Name | DISPATCHABLEUNIT |
| Comment | DISPATCHABLEUNIT sets out the unit name and type of each dispatchable unit in the market. |

22.7.2 Description

DISPATCHABLEUNIT data is public data, and is available to all participants.

Source

DISPATCHABLEUNIT updates as new units added or names changed.

22.7.3 Primary Key Columns

Name

DUID

22.7.4 Index Columns

Name

LASTCHANGED

22.7.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|------------------------------------|
| DUID | VARCHAR2(10) | X | Dispatchable Unit Identifier |
| DUNAME | VARCHAR2(20) | | Dispatchable Unit full description |
| UNITTYPE | VARCHAR2(20) | | Generation or Load |
| LASTCHANGED | DATE | | Last date and time record changed |

22.8 Table: DUALLOC

22.8.1 DUALLOC

| | |
|---------|--|
| Name | DUALLOC |
| Comment | DUALLOC cross references dispatch unit identifier to genset ID for each participant. |

22.8.2 Description

Source

DUALLOC updates where changed.

22.8.3 Primary Key Columns

- Name
- DUID
- EFFECTIVEDATE
- GENSETID
- VERSIONNO

22.8.4 Index Columns

- Name
- LASTCHANGED

22.8.5 Index Columns

- Name
- DUID

22.8.6 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
|------|-----------|-----------|---------|

| | | | |
|---------------|--------------|---|-----------------------------------|
| EFFECTIVEDATE | DATE | X | Effective calendar date of record |
| VERSIONNO | NUMBER(3,0) | X | Version no of record |
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |
| GENSETID | VARCHAR2(20) | X | Physical unit identifier |
| LASTCHANGED | DATE | | Last date and time record changed |

22.9 Table: DUDETAIL

22.9.1 DUDETAIL

| | |
|---------|--|
| Name | DUDETAIL |
| Comment | DUDETAIL sets out a records specific details for each unit including start type and whether normally on or off load. Much of this data is information only and is not used in dispatch or settlements. |

22.9.2 Description

DUDETAIL is public data, and is available to all participants.

Source

DUDETAIL updates only when registration details change.

Note

To find the current set of details for selected dispatchable units, query the participant's local database as follows.

```
Select du.* from dudetail du
where (du.EFFECTIVEDATE, du.VERSIONNO) =
(
select effectivedate, max(versionno)
from dudetail
where EFFECTIVEDATE = (select max(effectivedate)
from dudetail
where EFFECTIVEDATE <= sysdate
and duid = du.duid
and authoriseddate is not null)
and duid = du.duid
and authoriseddate is not null
group by effectivedate
)
and du.duid in ('UNIT1', 'UNIT2')
;
```

The following notes apply to this SQL code:

- This table is specific to dispatch units only.
- If you wish to query details for a different date, substitute a date expression for "sysdate" in the "where EFFECTIVEDATE <= sysdate" clause.
- If you wish to list all the units, remove the line "and du.duid in ('UNIT1', 'UNIT2')"
- The DUDETAIL table does not indicate if a unit is active; this is done through ownership (STADUALLOC) by an active station owned by an active participant (STATIONOWNER)
- If you wish to query Station details refer to STATION, STATIONOWNER and STADUALLOC.
- If you wish to look at connection point loss factors, refer to TRANSMISSIONLOSSFACTOR.

22.9.3 Primary Key Columns

Name
 DUID
 EFFECTIVEDATE
 VERSIONNO

22.9.4 Index Columns

Name
 LASTCHANGED

22.9.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Effective calendar date of record |
| DUID | VARCHAR2(10) | X | Dispatchable Unit Identifier |
| VERSIONNO | NUMBER(3,0) | X | version of Dispatchable Unit details for this effective date |
| CONNECTIONPOINTID | VARCHAR2(10) | | Country wide - Unique id of a connection point |
| VOLTLEVEL | VARCHAR2(10) | | Voltage Level |
| REGISTEREDCAPACITY | NUMBER(6,0) | | Registered capacity for normal operations |
| AGCCAPABILITY | VARCHAR2(1) | | AGC Capability flag |
| DISPATCHTYPE | VARCHAR2(20) | | Identifies LOAD or GENERATOR. This will likely expand to more generic models as new technology types are integrated into the NEM |
| MAXCAPACITY | NUMBER(6,0) | | Maximum Capacity as used for bid validation |
| STARTTYPE | VARCHAR2(20) | | Identify unit as Fast or Slow |
| NORMALLYONFLAG | VARCHAR2(1) | | For a dispatchable load indicates that the load is normally on or off. |

| | | | |
|---------------------|--------------|--|---|
| PHYSICALDETAILSFLAG | VARCHAR2(1) | | Indicates that the physical details for this unit are to be recorded |
| SPINNINGRESERVEFLAG | VARCHAR2(1) | | Indicates spinning reserve capability |
| AUTHORISEDDBY | VARCHAR2(15) | | User authorising record |
| AUTHORISEDDATE | DATE | | Date record authorised |
| LASTCHANGED | DATE | | Last date and time record changed |
| INTERMITTENTFLAG | VARCHAR(1) | | Indicate whether a unit is intermittent (e.g. a wind farm) |
| SemiSchedule_Flag | VARCHAR2(1) | | Indicates if the DUID is a Semi-Scheduled Unit |
| MAXRATEOFCHANGEUP | Number(6,0) | | Maximum ramp up rate for Unit (Mw/min) |
| MAXRATEOFCHANGEDOWN | Number(6,0) | | Maximum ramp down rate for Unit (Mw/min) |
| DISPATCHSUBTYPE | VARCHAR2(20) | | Additional information for DISPATCHTYPE. For DISPATCHTYPE = LOAD, subtype value is WDR for wholesale demand response units. For DISPATCHTYPE = LOAD, subtype value is NULL for Scheduled Loads. For DISPATCHTYPE = GENERATOR type, the subtype value is NULL. |
| ADG_ID | VARCHAR2(20) | | Aggregate Dispatch Group to which this dispatch unit belongs |

22.10 Table: DUDETAILSUMMARY

22.10.1 DUDETAILSUMMARY

Name DUDETAILSUMMARY

Comment DUDETAILSUMMARY sets out a single summary unit table so reducing the need for participants to use the various dispatchable unit detail and owner tables to establish generating unit specific details.

22.10.2 Description

DUDETAILSUMMARY is a public table, and is available to all participants.

Source

DUDETAILSUMMARY updates only when registration details change.

22.10.3 Primary Key Columns

Name

DUID

START_DATE

22.10.4 Index Columns

Name

LASTCHANGED

22.10.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|---|
| DUID | VARCHAR2(10) | X | Dispatchable Unit Identifier |
| START_DATE | DATE | X | Start date for effective record |
| END_DATE | DATE | X | End date for effective record |
| DISPATCHTYPE | VARCHAR2(20) | | Identifies LOAD or GENERATOR. This will likely expand to more generic models as new technology types are integrated |

| | | | |
|------------------------|--------------|--|--|
| | | | into the NEM |
| CONNECTIONPOINTID | VARCHAR2(10) | | Country wide - Unique id of a connection point |
| REGIONID | VARCHAR2(10) | | Region identifier that unit is in |
| STATIONID | VARCHAR2(10) | | Station that unit is in |
| PARTICIPANTID | VARCHAR2(10) | | Participant that owns unit during effective record period |
| LASTCHANGED | DATE | | Last date and time record changed |
| TRANSMISSIONLOSSFACTOR | NUMBER(15,5) | | The transmission level loss factor for currently assigned connection point |
| STARTTYPE | VARCHAR2(20) | | Unit start type. At this time restricted to Fast, Slow or Non Dispatched |
| DISTRIBUTIONLOSSFACTOR | NUMBER(15,5) | | The distribution loss factor to the currently assigned connection point |
| MINIMUM_ENERGY_PRICE | NUMBER(9,2) | | Floored Offer/Bid Energy Price adjusted for TLF, DLF and MPF |
| MAXIMUM_ENERGY_PRICE | NUMBER(9,2) | | Capped Offer/Bid Energy Price adjusted for TLF, DLF and VoLL |
| SCHEDULE_TYPE | VARCHAR2(20) | | Scheduled status of the unit: 'SCHEDULED' 'NON-SCHEDULED' 'SEMI-SCHEDULED' |
| MIN_RAMP_RATE_UP | number(6,0) | | MW/Min. Calculated Minimum Ramp Rate Up value accepted for Energy Offers or Bids with explanation |
| MIN_RAMP_RATE_DOWN | number(6,0) | | MW/Min. Calculated Minimum Ramp Rate Down value accepted for Energy Offers or Bids with explanation |
| MAX_RAMP_RATE_UP | number(6,0) | | Maximum ramp up rate for Unit (Mw/min) - from DUDetail table |
| MAX_RAMP_RATE_DOWN | number(6,0) | | Maximum ramp down rate for Unit (Mw/min) - from DUDetail table |
| IS_AGGREGATED | NUMBER(1,0) | | Whether the DUID is classified as an "Aggregated Unit" under the rules. This impacts the Minimum Ramp Rate calculation |

| | | | |
|-----------------|--------------|--|--|
| DISPATCHSUBTYPE | VARCHAR2(20) | | Additional information for DISPATCHTYPE. For DISPATCHTYPE = LOAD, subtype value is WDR for wholesale demand response units For DISPATCHTYPE = LOAD, subtype value is NULL for Scheduled Loads. For DISPATCHTYPE = GENERATOR type, subtype value is NULL. |
| ADG_ID | VARCHAR2(20) | | Aggregate Dispatch Group to which this dispatch unit belongs. |

22.11 Table: GENMETER

22.11.1 GENMETER

| | |
|---------|---|
| Name | GENMETER |
| Comment | GENMETER shows details of generator meter sets. |

22.11.2 Description

GENMETER is a public table, and is available to all participants.

Source

GENMETER updates only when meter details change.

22.11.3 Primary Key Columns

Name
 APPLYDATE
 METERID
 VERSIONNO

22.11.4 Index Columns

Name
 LASTCHANGED

22.11.5 Index Columns

Name
 STATIONID

22.11.6 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|-------------------|--------------|---|---|
| METERID | VARCHAR2(12) | X | Meter Id |
| GENSETID | VARCHAR2(20) | | Generator Set ID |
| CONNECTIONPOINTID | VARCHAR2(10) | | Not used |
| STATIONID | VARCHAR2(10) | | Station Identifier |
| METERTYPE | VARCHAR2(20) | | LOAD |
| METERCLASS | VARCHAR2(10) | | WATT or AUXILARY |
| VOLTAGELEVEL | NUMBER(6,0) | | Voltage |
| APPLYDATE | DATE | X | Application date |
| VERSIONNO | NUMBER(3,0) | X | Version no of the record for the given effective date |
| AUTHORISED BY | VARCHAR2(10) | | AEMO user authorising |
| AUTHORISED DATE | DATE | | Date authorised |
| COMDATE | DATE | | Not used |
| DECOMDATE | DATE | | Not used |
| ENDDATE | DATE | | Not used |
| STARTDATE | DATE | | Not used |
| LASTCHANGED | DATE | | Last date and time record changed |

22.12 Table: GENUNITS

22.12.1 GENUNITS

| | |
|---------|---|
| Name | GENUNITS |
| Comment | GENUNITS shows Genset details for each physical unit with the relevant station. |

22.12.2 Description

GENUNITS is a public table, and is available to all participants.

Source

GENUNITS updates whenever plant details change.

22.12.3 Primary Key Columns

| |
|----------|
| Name |
| GENSETID |

22.12.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

22.12.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--------------------------------|
| GENSETID | VARCHAR2(20) | X | Physical Unit identifier |
| STATIONID | VARCHAR2(10) | | Station Identifier |
| SETLOSSFACTOR | NUMBER(16,6) | | Not used |
| CDINDICATOR | VARCHAR2(10) | | Centrally dispatched Indicator |
| AGCFLAG | VARCHAR2(2) | | AGC Available flag |

| | | | |
|-----------------------|---------------|--|--|
| SPINNINGFLAG | VARCHAR2(2) | | Not used |
| VOLTLEVEL | NUMBER(6,0) | | Voltage level |
| REGISTEREDCAPACITY | NUMBER(6,0) | | Registered capacity |
| DISPATCHTYPE | VARCHAR2(20) | | Identifies LOAD or GENERATOR. This will likely expand to more generic models as new technology types are integrated into the NEM. |
| STARTTYPE | VARCHAR2(20) | | Fast / Slow / Not Dispatched |
| MKTGENERATORIND | VARCHAR2(10) | | Market Generator Indicator Flag |
| NORMALSTATUS | VARCHAR2(10) | | On / Off for load |
| MAXCAPACITY | NUMBER(6,0) | | Maximum capacity |
| GENSETTYPE | VARCHAR2(15) | | Genset type |
| GENSETNAME | VARCHAR2(40) | | Genset name |
| LASTCHANGED | DATE | | Last date and time record changed |
| CO2E_EMISSIONS_FACTOR | NUMBER(18,8) | | The emissions factor for the generating unit, as calculated by Settlements staff members |
| CO2E_ENERGY_SOURCE | VARCHAR2(100) | | The energy source for the generating unit, as used in the calculation of the CO2-e emissions factor. Distinct from the Energy Source for a generating unit published as part of the Registration Master List |
| CO2E_DATA_SOURCE | VARCHAR2(20) | | An indicator as to the source of the emission factor used in the calculation of the index. The applicable values for this field would be NTNDP which indicates the emission factor is quoted from the National Transmission Network Development Plan or Estimated to indicate the emission factor has been calculated using an internal AEMO procedure based upon the Department of Climate Change and Energy Efficiency NGA factors |

22.13 Table: GENUNITS_UNIT

22.13.1 GENUNITS_UNIT

| | |
|---------|--------------------------------------|
| Name | GENUNITS_UNIT |
| Comment | Physical units within a Gen Unit Set |

22.13.2 Primary Key Columns

| |
|---------------------|
| Name |
| EFFECTIVEDATE |
| GENSETID |
| UNIT_GROUPING_LABEL |
| VERSIONNO |

22.13.3 Index Columns

| |
|---------------------|
| Name |
| GENSETID |
| EFFECTIVEDATE |
| VERSIONNO |
| UNIT_GROUPING_LABEL |

22.13.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| GENSETID | VARCHAR2(20) | X | System wide unique Generating Set ID |
| EFFECTIVEDATE | DATE | X | Effective Date of this detail record |
| VERSIONNO | NUMBER(6,0) | X | Version with respect to the effective date |
| UNIT_GROUPING_LABEL | VARCHAR2(20) | X | Label of Physical Units within the station |
| UNIT_COUNT | NUMBER(10,0) | | Number of units in this Gen Unit grouping |

| | | | |
|------------------|-------------|--|---|
| UNIT_SIZE | NUMBER(8,3) | | Nameplate Capacity for each unit in this grouping |
| UNIT_MAX_SIZE | NUMBER(8,3) | | Maximum Capacity for each unit in this grouping |
| AGGREGATION_FLAG | NUMBER(1,0) | | Indicator that Unit is part of an Aggregated Unit (at the DUID level) |
| LASTCHANGED | DATE | | Date/Time when record was changed |

22.14 Table: MNSP_INTERCONNECTOR

22.14.1 MNSP_INTERCONNECTOR

| | |
|---------|---|
| Name | MNSP_INTERCONNECTOR |
| Comment | MNSP_INTERCONNECTOR sets out attributes of each interconnector. |

22.14.2 Description

MNSP_INTERCONNECTOR data is public, so is available to all participants.

Source

MNSP_INTERCONNECTOR changes infrequently, typically annually.

Volume

Twice the number of MNSPs.

22.14.3 Primary Key Columns

Name
EFFECTIVEDATE
LINKID
VERSIONNO

22.14.4 Index Columns

Name
LASTCHANGED

22.14.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| LINKID | VARCHAR2(10) | X | Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to. |
| EFFECTIVEDATE | DATE | X | Date when Interconnector becomes |

| | | | |
|-------------------|--------------|---|--|
| | | | effective |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data will take precedence |
| INTERCONNECTORID | VARCHAR2(10) | | Interconnector Identifier |
| FROMREGION | VARCHAR2(10) | | Nominated source region for Interconnector |
| TOREGION | VARCHAR2(10) | | Nominated destination region for Interconnector |
| MAXCAPACITY | NUMBER(5,0) | | Maximum capacity |
| TLF | NUMBER(12,7) | | Transmission Loss Factor (redundant from May 2012) |
| LHSFACTOR | NUMBER(12,7) | | Factor applied to the LHS of constraint equations; set by AEMO |
| METERFLOWCONSTANT | NUMBER(12,7) | | Obsolete; no longer applied. Ignore. |
| AUTHORISEDDATE | DATE | | Date of authorisation. Nominal date but required to enable Interconnector. |
| AUTHORISED BY | VARCHAR2(15) | | Authorising officer |
| LASTCHANGED | DATE | | Last date and time record changed |
| FROM_REGION_TLF | NUMBER(12,7) | | Transmission Loss Factor for Link "From Region" end |
| TO_REGION_TLF | NUMBER(12,7) | | Transmission Loss Factor for Link at "To Region" end |

22.15 Table: MNSP_PARTICIPANT

22.15.1 MNSP_PARTICIPANT

| | |
|---------|--|
| Name | MNSP_PARTICIPANT |
| Comment | MNSP_PARTICIPANT registers MNSP ownership. |

22.15.2 Description

MNSP_PARTICIPANT data is public, so is available to all participants.

Source

MNSP_PARTICIPANT updates infrequently, typically annually.

Volume

Number of MNSPs.

22.15.3 Primary Key Columns

Name
EFFECTIVEDATE
INTERCONNECTORID
PARTICIPANTID
VERSIONNO

22.15.4 Index Columns

Name
LASTCHANGED

22.15.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|-----------------------------------|
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector Identifier |
| EFFECTIVEDATE | DATE | X | Calendar date when Interconnector |

| | | | |
|---------------|--------------|---|--|
| | | | ownership becomes effective |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data takes precedence |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| LASTCHANGED | DATE | | Last date and time record changed |

22.16 Table: PARTICIPANT

22.16.1 PARTICIPANT

Name PARTICIPANT

Comment PARTICIPANT sets out Participant ID, name and class for all participants.

22.16.2 Description

PARTICIPANT is public data, so is available to all participants.

Source

PARTICIPANT updates as new participants register or existing participants change details.

22.16.3 Primary Key Columns

Name

PARTICIPANTID

22.16.4 Index Columns

Name

LASTCHANGED

22.16.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|---|
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| PARTICIPANTCLASSID | VARCHAR2(20) | | Class of participant |
| NAME | VARCHAR2(80) | | Full name of participant |
| DESCRIPTION | VARCHAR2(64) | | Not used |
| ACN | VARCHAR2(9) | | Australian Company Number; Nine Numbers XXX-XXX-XXX |
| PRIMARYBUSINESS | VARCHAR2(40) | | Identifies primary business activity of participant |

| | | | |
|-------------|------|--|-----------------------------------|
| LASTCHANGED | DATE | | Last date and time record changed |
|-------------|------|--|-----------------------------------|

22.17 Table: PARTICIPANTACCOUNT

22.17.1 PARTICIPANTACCOUNT

Name PARTICIPANTACCOUNT

Comment PARTICIPANTACCOUNT shows financial details on participants.

22.17.2 Description

PARTICIPANTACCOUNT data is confidential to the relevant participant.

Source

PARTICIPANTACCOUNT updates as new participants register or existing participants change details.

22.17.3 Primary Key Columns

Name

PARTICIPANTID

22.17.4 Index Columns

Name

LASTCHANGED

22.17.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|-------------------------------|
| ACCOUNTNAME | VARCHAR2(80) | | Name of the account |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| ACCOUNTNUMBER | VARCHAR2(16) | | Account number |
| BANKNAME | VARCHAR2(16) | | Bank name |
| BANKNUMBER | NUMBER(10,0) | | Bank number |
| BRANCHNAME | VARCHAR2(16) | | Branch name |
| BRANCHNUMBER | NUMBER(10,0) | | Branch number |

| | | | |
|---------------------------|--------------|--|-----------------------------------|
| BSBNUMBER | VARCHAR2(20) | | BSB number |
| NEMMCOCREDITACCOUNTNUMBER | NUMBER(10,0) | | AEMO credit account number |
| NEMMCODEBITACCOUNTNUMBER | NUMBER(10,0) | | AEMO debit account number |
| AUTHORISED BY | VARCHAR2(15) | | User authorising record |
| AUTHORISED DATE | DATE | | Authorised date |
| EFFECTIVE DATE | DATE | | Date record authorised |
| LAST CHANGED | DATE | | Last date and time record changed |
| ABN | VARCHAR2(20) | | Australian Business Number |

22.18 Table: PARTICIPANTCATEGORY

22.18.1 PARTICIPANTCATEGORY

| | |
|---------|--|
| Name | PARTICIPANTCATEGORY |
| Comment | PARTICIPANTCATEGORY sets out valid participant categories. |

22.18.2 Description

PARTICIPANTCATEGORY is public data, so is available to all participants.

Source

PARTICIPANTCATEGORY updates as categories change. PARTICIPANTCATEGORY changes infrequently.

22.18.3 Primary Key Columns

| | |
|------|-----------------------|
| Name | |
| | PARTICIPANTCATEGORYID |

22.18.4 Index Columns

| | |
|------|-------------|
| Name | |
| | LASTCHANGED |

22.18.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|-----------------------------------|
| PARTICIPANTCATEGORYID | VARCHAR2(10) | X | Participant category identifier |
| DESCRIPTION | VARCHAR2(64) | | Category description |
| LASTCHANGED | DATE | | Last date and time record changed |

22.19 Table: PARTICIPANTCATEGORYALLOC

22.19.1 PARTICIPANTCATEGORYALLOC

| | |
|---------|--|
| Name | PARTICIPANTCATEGORYALLOC |
| Comment | PARTICIPANTCATEGORYALLOC sets out the assignment of participants to particular categories. |

22.19.2 Description

PARTICIPANTCATEGORYALLOC data is public, so is available to all participants.

Source

PARTICIPANTCATEGORYALLOC updates for new participants or when categories change. PARTICIPANTCATEGORYALLOC changes infrequently.

22.19.3 Primary Key Columns

| |
|-----------------------|
| Name |
| PARTICIPANTCATEGORYID |
| PARTICIPANTID |

22.19.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

22.19.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|-----------------------------------|
| PARTICIPANTCATEGORYID | VARCHAR2(10) | X | Category unique identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| LASTCHANGED | DATE | | Last date and time record changed |

22.20 Table: PARTICIPANTCLASS

22.20.1 PARTICIPANTCLASS

| | |
|---------|--|
| Name | PARTICIPANTCLASS |
| Comment | PARTICIPANTCLASS sets out valid participant classifications. |

22.20.2 Description

PARTICIPANTCLASS data is public, so is available to all participants.

Source

PARTICIPANTCLASS updates only if classifications change. This table changes infrequently.

22.20.3 Primary Key Columns

| | |
|--------------------|--|
| Name | |
| PARTICIPANTCLASSID | |

22.20.4 Index Columns

| | |
|-------------|--|
| Name | |
| LASTCHANGED | |

22.20.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|-----------------------------------|
| PARTICIPANTCLASSID | VARCHAR2(20) | X | Class of participant |
| DESCRIPTION | VARCHAR2(64) | | Description of participant class |
| LASTCHANGED | DATE | | Last date and time record changed |

22.21 Table: PARTICIPANTCREDITDETAIL

22.21.1 PARTICIPANTCREDITDETAIL

Name PARTICIPANTCREDITDETAIL

Comment

22.21.2 Description

PARTICIPANTCREDITDETAIL data is confidential to each participant.

Source

PARTICIPANTCREDITDETAIL updates infrequently.

22.21.3 Primary Key Columns

Name

EFFECTIVEDATE

PARTICIPANTID

22.21.4 Index Columns

Name

PARTICIPANTID

22.21.5 Index Columns

Name

LASTCHANGED

22.21.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-----------|-----------|---------|
| EFFECTIVEDATE | DATE | X | |

| | | | |
|----------------|--------------|---|-----------------------------------|
| PARTICIPANTID | VARCHAR2(10) | X | |
| CREDITLIMIT | NUMBER(10,0) | | |
| AUTHORISEDDBY | VARCHAR2(15) | | |
| AUTHORISEDDATE | DATE | | |
| LASTCHANGED | DATE | | Last date and time record changed |

22.22 Table: PMS_GROUP

22.22.1 PMS_GROUP

Name PMS_GROUP
 Comment Entity table for group

22.22.2 Primary Key Columns

Name
 GROUPID

22.22.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|-----------------------------------|
| GROUPID | NUMBER(20,0) | X | Abstract identifier for the group |
| CREATEDDATE | TIMESTAMP(3) | | Date record was created |
| LASTCHANGED | TIMESTAMP(3) | | Date record was last changed |

22.23 Table: PMS_GROUPNMI

22.23.1 PMS_GROUPNMI

| | |
|---------|--|
| Name | PMS_GROUPNMI |
| Comment | Describe the NMIs that a group uses to provide its service |

22.23.2 Primary Key Columns

| | |
|------------|--|
| Name | |
| GROUPNMIID | |

22.23.3 Index Columns

| | |
|---------|--|
| Name | |
| GROUPID | |
| NMI | |

22.23.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|---|
| GROUPNMIID | NUMBER(20,0) | X | Record Identifier of the NMI within a Group. When data is updated, existing record identifier is terminated, and new record identifier(s) are allocated. |
| GROUPID | NUMBER(20,0) | | Group id of the Group which the NMI belongs in. |
| VERSIONFROM | TIMESTAMP(3) | | Date for which this version is effective from |
| VERSIONTO | TIMESTAMP(3) | | Date for which this version is effective to. Will be set to current day plus one if it is the current active record or past date if the record has been superseded/ended. |
| STARTDATE | TIMESTAMP(3) | | Effective date of when this service started operation |

| | | | |
|-----------------------|---------------|--|---|
| ENDDATE | TIMESTAMP(3) | | Date for which this version is effective to. Will be set to current day plus one if it is the current active record or past date if the record has been superseded/ended. |
| NMI | VARCHAR2(20) | | National Meter Identifier linked to the group. |
| SITENAME | VARCHAR2(50) | | Site name |
| NERRGROUPPREMISES | NUMBER(1,0) | | Specifies whether NMI is in a NERR aggregated premises (TRUE = 1/FALSE = 0) |
| BASELINEMETHODOLOGYID | VARCHAR2(50) | | Baseline methodology to be used for the PoL and Baseline assessment of the NMI |
| MRC | NUMBER(10,3) | | Maximum responsive component for the NMI |
| MRCREASON | VARCHAR2(500) | | Reason for the MRC |
| RETAILCUSTOMER | VARCHAR2(50) | | Retail customer of the NMI |
| SUSPENDED | NUMBER(1,0) | | Indicates whether the NMI has been suspended from use. (TRUE = 1/FALSE = 0) |
| UNAVAILABLE | NUMBER(1,0) | | Indicates whether the NMI is unavailable for use. (TRUE = 1/FALSE = 0) |
| APPROVEDDATE | TIMESTAMP(3) | | Date which this record was approved |
| LASTCHANGED | TIMESTAMP(3) | | Date time which record was last changed |

22.24 Table: PMS_GROUPSERVICE

22.24.1 PMS_GROUPSERVICE

| | |
|---------|---|
| Name | PMS_GROUPSERVICE |
| Comment | Describe the services a group provides and its relation to a market |

22.24.2 Primary Key Columns

| | |
|----------------|--|
| Name | |
| GROUPSERVICEID | |

22.24.3 Index Columns

| | |
|----------|--|
| Name | |
| ENTITYID | |
| GROUPID | |

22.24.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| GROUPSERVICEID | NUMBER(20,0) | X | Record identifier of the Service allocated to the Group. When data is updated, existing record identifier is terminated, and new record identifier(s) are allocated. |
| GROUPID | NUMBER(20,0) | | Group id of the Group where the Service is attached to. |
| VERSIONFROM | TIMESTAMP(3) | | Date for which this version is effective from. |
| VERSIONTO | TIMESTAMP(3) | | Date for which this version is effective to. Will be set to max date 9999/12/31 23:59:59.999 until this version ends or a change to the version is required. |
| STARTDATE | TIMESTAMP(3) | | Effective date of when this service started operation |

| | | | |
|-----------------------|---------------|--|---|
| ENDDATE | TIMESTAMP(3) | | Effective date of when this service ended operation. Will be set to max date 9999/12/31 23:59:59.999 until its service ends or a change to the service is required. |
| MARKET | VARCHAR2(50) | | Market that this group is operating its service in. Will only be NEM initially. |
| SERVICETYPE | VARCHAR2(50) | | Service that this group is operating. Will be only be ENERGY initially |
| ENTITYTYPE | VARCHAR2(50) | | Describes the entity that is operating. Will only be WDRU initially. |
| ENTITYID | VARCHAR2(50) | | Describe the entity ID in the market that it will be operating in. Will only contain the DUID of the group initially. |
| MRC | NUMBER(10,3) | | Maximum responsive component for the service offering |
| MRCREASON | VARCHAR2(500) | | Reason for the MRC. |
| MAXIMUMRAMPRATEPERMIN | NUMBER(10,0) | | Maximum ramp rate MW per minute of the service. |
| REGION | VARCHAR2(20) | | Region the group is operating this service in One of NSW1, QLD1, VIC1, SA1 or TAS1 |
| APPROVEDDATE | TIMESTAMP(3) | | Date which this record was approved |
| LASTCHANGED | TIMESTAMP(3) | | Date time which record was last changed |

22.25 Table: STADUALLOC

22.25.1 STADUALLOC

| | |
|---------|--|
| Name | STADUALLOC |
| Comment | STADUALLOC sets out details on the allocation of dispatchable units to particular sites or stations. |

22.25.2 Description

STADUALLOC is public data, and is available to all participants.

Source

STADUALLOC is updated whenever there is a station configuration change or new unit registration.

22.25.3 Primary Key Columns

Name
DUID
EFFECTIVEDATE
STATIONID
VERSIONNO

22.25.4 Index Columns

Name
LASTCHANGED

22.25.5 Index Columns

Name
STATIONID
EFFECTIVEDATE
VERSIONNO

22.25.6 Index Columns

Name

DUID

22.25.7 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| DUID | VARCHAR2(10) | X | Dispatchable Unit Identifier |
| EFFECTIVEDATE | DATE | X | Effective date of this record |
| STATIONID | VARCHAR2(10) | X | Station Identifier |
| VERSIONNO | NUMBER(3,0) | X | Version no of this record for the effective date |
| LASTCHANGED | DATE | | Last date and time record changed |

22.26 Table: STATION

22.26.1 STATION

| | |
|---------|---|
| Name | STATION |
| Comment | STATION sets out valid station identifiers. |

22.26.2 Description

STATION is public data, and is available to all participants.

Source

STATION updates whenever there is a station configuration change or new unit registration.

22.26.3 Primary Key Columns

| | |
|-----------|--|
| Name | |
| STATIONID | |

22.26.4 Index Columns

| | |
|-------------|--|
| Name | |
| LASTCHANGED | |

22.26.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|----------------------|
| STATIONID | VARCHAR2(10) | X | Station Identifier |
| STATIONNAME | VARCHAR2(80) | | Full name of station |
| ADDRESS1 | VARCHAR2(80) | | Station Address |
| ADDRESS2 | VARCHAR2(80) | | Station Address |
| ADDRESS3 | VARCHAR2(80) | | Station Address |
| ADDRESS4 | VARCHAR2(80) | | Station Address |

| | | | |
|-------------------|--------------|--|--|
| CITY | VARCHAR2(40) | | City |
| STATE | VARCHAR2(10) | | State of Australia |
| POSTCODE | VARCHAR2(10) | | Post Code |
| LASTCHANGED | DATE | | Last date and time record changed |
| CONNECTIONPOINTID | VARCHAR2(10) | | Not used. Do not use as the Connection Point Identifier for station load |

22.27 Table: STATIONOPERATINGSTATUS

22.27.1 STATIONOPERATINGSTATUS

| | |
|---------|---|
| Name | STATIONOPERATINGSTATUS |
| Comment | STATIONOPERATINGSTATUS sets out the operating status of each station. |

22.27.2 Description

STATIONOWNER is public data, and is available to all participants.

Source

STATIONOWNER is updated whenever there is a change in the station owner or new units are registered.

22.27.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| STATIONID |
| VERSIONNO |

22.27.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

22.27.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| EFFECTIVEDATE | DATE | X | Effective date of this record |
| STATIONID | VARCHAR2(10) | X | Unique station identifier |
| VERSIONNO | NUMBER(3,0) | X | Version no of record within the effective date |
| STATUS | VARCHAR2(20) | | The operating status of this station, valid values are COMMISSIONED and |

| | | | |
|-----------------|--------------|--|-----------------------------------|
| | | | DECOMMISSIONED |
| AUTHORISED BY | VARCHAR2(15) | | User authorising record |
| AUTHORISED DATE | DATE | | Date record authorised |
| LAST CHANGED | DATE | | Last date and time record changed |

22.28 Table: STATIONOWNER

22.28.1 STATIONOWNER

| | |
|---------|--|
| Name | STATIONOWNER |
| Comment | STATIONOWNER sets out the owner details of each station. |

22.28.2 Description

STATIONOWNER is public data, and is available to all participants.

Source

STATIONOWNER is updated whenever there is a change in the station owner or new units are registered.

22.28.3 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
STATIONID
VERSIONNO

22.28.4 Index Columns

Name
LASTCHANGED

22.28.5 Index Columns

Name
STATIONID
EFFECTIVEDATE
VERSIONNO

22.28.6 Index Columns

Name

PARTICIPANTID

22.28.7 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Effective date of this record |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| STATIONID | VARCHAR2(10) | X | Station Identifier |
| VERSIONNO | NUMBER(3,0) | X | Version no of record within the effective date |
| LASTCHANGED | DATE | | Last date and time record changed |

22.29 Table: STATIONOWNERTRK

22.29.1 STATIONOWNERTRK

| | |
|---------|---|
| Name | STATIONOWNERTRK |
| Comment | STATIONOWNERTRK shows the tracking for the associated object STATIONOWNER. Together, STATIONOWNERTRK and STATIONOWNER sets out the owner details of each station. |

22.29.2 Description

STATIONOWNER is public data, and is available to all participants.

Source

STATIONOWNER is updated whenever there is a change in the station owner or new units are registered.

22.29.3 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
VERSIONNO

22.29.4 Index Columns

Name
LASTCHANGED

22.29.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Effective date of this record |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| VERSIONNO | NUMBER(3,0) | X | Version no of record within the effective date |

| | | | |
|-----------------|--------------|--|-----------------------------------|
| AUTHORISED BY | VARCHAR2(15) | | User authorising record |
| AUTHORISED DATE | DATE | | Date record authorised |
| LAST CHANGED | DATE | | Last date and time record changed |

23 Package: PRE_DISPATCH

| | |
|----------------|--|
| <i>Name</i> | PRE_DISPATCH |
| <i>Comment</i> | Results from a published Predispatch Run |

Storage options

There are 2 ways to define the Pre-dispatch table primary keys (PKs) to define which data is loaded to the database and which data is retained:

Option 1 (default)

Overwrite older records when they are succeeded by later versions for the same entity and period. This is the Data Model default and results in the consumption of far less storage. Data Model updates issued by AEMO target this configuration so participants implementing option 2a or 2b must maintain their changes when AEMO releases a new Data Model version.

PredispatchLoad: DateTime, DUID

PredispatchInterconnectorRes: DateTime, InterconnectorID,

PredispatchPrice: DateTime, RegionID

PredispatchPriceSensitivities: DateTime, RegionID

PredispatchInterSensitivities: InterconnectorID, DateTime

PredispatchRegionsum: DateTime, RegionID

Option 2a

Retain only the Pricing records for tables relating to Price data and Physical records for tables relating to Physical data (e.g. targets). Approximately 50 times more storage volumes than option 1.

PredispatchLoad: PredispatchSeqNo, DateTime, DUID

PredispatchInterconnectorRes: PredispatchSeqNo, DateTime, InterconnectorID,

PredispatchPrice: PredispatchSeqNo, DateTime, RegionID

PredispatchPriceSensitivities: PredispatchSeqNo, DateTime, RegionID

PredispatchInterSensitivities: PredispatchSeqNo, DateTime, InterconnectorID

PredispatchRegionsum: PredispatchSeqNo, DateTime, RegionID

Option 2b

Retain both Physical and Pricing data for Intervention runs. If Intervention

cases are stored in entirety, you must select the data carefully. The logic is the same as for Dispatch, i.e. Intervention Pricing is always where Intervention = 0 and Physical data is where Intervention = PredispatchCaseSolution.Intervention for the same PredispatchSeqNo.

Doubles the storage of option 2a but ONLY for Intervened cases.

PredispatchLoad: PredispatchSeqNo, Intervention, DateTime, DUID

PredispatchInterconnectorRes: PredispatchSeqNo, Intervention, DateTime, InterconnectorID,

PredispatchPrice: PredispatchSeqNo, Intervention, DateTime, RegionID

PredispatchPriceSensitivities: PredispatchSeqNo, Intervention, DateTime, RegionID

PredispatchInterSensitivities: PredispatchSeqNo, Intervention, DateTime, InterconnectorID

PredispatchRegionsum: PredispatchSeqNo, Intervention, DateTime, RegionID

Notes:

The data in the PredispatchIS file is always ordered so the pdrLoader writes the relevant data first and discards the subsequent irrelevant data, or writes the subsequent data, depending on how the PKs are defined.

You may order the PKs in a different order, depending on your local requirements. Any decision to change the PK column composition or order must consider the functional and performance impacts to existing applications or queries.

The pdrLoader caches PK definitions for performance reasons so any change to the PKs requires a restart of the application.

The TRANSACTION_TYPE default in the PDR_REPORT_RECORDS management tables for PREDISPATCH* tables is UPDATE-INSERT. You can modify this to INSERT for Option 2b, as the attempt to first perform an update becomes redundant. This can improve load performance.

23.1 List of tables

| Name | Comment |
|----------------------|--|
| PREDISPATCH_FCAS_REQ | PREDISPATCH_FCAS_REQ shows Predispatch Constraint tracking for Regional FCAS Requirements. |

| | |
|-------------------------------|---|
| PREDISPATCH_LOCAL_PRICE | Sets out local pricing offsets associated with each DUID connection point for each dispatch period |
| PREDISPATCH_MNSPBIDTRK | PREDISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each predispatch run for each MNSP Interconnector Link. PREDISPATCH_MNSPBIDTRK shows the audit trail of the bid used for each predispatch run. |
| PREDISPATCHBLOCKEDCONSTRAINT | PREDISPATCH Blocked Constraints lists any constraints that were blocked in a Predispatch run. If no constraints are blocked, there will be no rows for that predispatch run. |
| PREDISPATCHCASESOLUTION | PREDISPATCHCASESOLUTION provides information relating to the complete predispatch run. The fields provide an overview of the dispatch run results allowing immediate identification of conditions such as energy or FCAS deficiencies. |
| PREDISPATCHCONSTRAINT | <p>PREDISPATCHCONSTRAINT sets out constraints that are binding in each predispatch run and interconnector constraints (whether binding or not). Only binding and interconnector constraints are reported. Binding contracts have marginal value greater than \$0. Interconnector constraints are listed so RHS values can be reported for ST PASA.</p> <p>Constraint solutions only report fixed loading /MR constraints on the next day.</p> |
| PREDISPATCHINTERCONNECTORRES | <p>PREDISPATCHINTERCONNECTORRES records Interconnector flows and losses for the periods calculated in each predispatch run. Only binding and interconnector constraints are reported.</p> <p>Some fields are for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraint setting the energy import and export limits.</p> |
| PREDISPATCHINTERSENSITIVITIES | PREDISPATCHINTERSENSITIVITIES sets out the sensitivity flows for each interconnector by period. |
| PREDISPATCHLOAD | PREDISPATCHLOAD shows pre-dispatch targets for each dispatchable unit, including additional fields to handle the Ancillary Services functionality. No record is written where a unit is not dispatched. PREDISPATCHLOAD shows all the results for each period. |
| PREDISPATCHOFFERTRK | PREDISPATCHOFFERTRK is for the ancillary service bid tracking of predispatch processing. PREDISPATCHOFFERTRK identifies which bids from BIDDAYOFFER and BIDOFFERPERIOD were applied for a given unit and ancillary service for each predispatch run. |
| PREDISPATCHPRICE | PREDISPATCHPRICE records predispatch prices for each region by period for each predispatch run, including fields to handle the |

| | |
|-------------------------------|--|
| | Ancillary Services functionality. |
| PREDISPATCHPRICESENSITIVITIES | PREDISPATCHPRICESENSITIVITIES sets out the sensitivity prices for each region by period. |
| PREDISPATCHREGIONSUM | PREDISPATCHREGIONSUM sets out the overall regional Pre-Dispatch results for base case details (excluding price). |
| PREDISPATCHSCENARIODEMAND | PREDISPATCHSCENARIODEMAND defines the demand offsets that are applied for each of the predispatch sensitivity scenarios. |
| PREDISPATCHSCENARIODEMAND TRK | Tracks the predispatch scenario offset updates across time |

23.2 Diagram: Entities: Predispatch

PREDISPATCHCASESOLUTION
 PREDISPATCHSEQNO
 RUNNO

PREDISPATCHINTERCONNECTORRES
 INTERCONNECTORID
 DATETIME

PREDISPATCHLOAD
 DUID
 DATETIME

PREDISPATCHCONSTRAINT
 CONSTRAINTID
 DATETIME

PREDISPATCHPRICESENSITIVITIES
 REGIONID
 DATETIME

PREDISPATCHREGIONSUM
 REGIONID
 DATETIME

PREDISPATCHOFFERTRK
 PREDISPATCHSEQNO
 DUID
 BIDTYPE
 PERIODID

PREDISPATCHPRICE
 REGIONID
 DATETIME

PREDISPATCH_MNSPBIDTRK
 PREDISPATCHSEQNO
 LINKID
 PERIODID

PREDISPATCHSCENARIODEMAND
 EFFECTIVEDATE
 VERSIONNO
 SCENARIO
 REGIONID

PREDISPATCH_FCAS_REQ
 GENCONID
 REGIONID
 BIDTYPE
 DATETIME

PREDISPATCHINTERSENSITIVITIES
 INTERCONNECTORID
 DATETIME

PREDISPATCHSCENARIODEMANDTRK
 EFFECTIVEDATE
 VERSIONNO

PREDISPATCHBLOCKEDCONSTRAINT
 PREDISPATCHSEQNO
 CONSTRAINTID

PREDISPATCH_LOCAL_PRICE
 DATETIME
 DUID

23.3 Table: PREDISPATCH_FCAS_REQ

23.3.1 PREDISPATCH_FCAS_REQ

| | |
|---------|--|
| Name | PREDISPATCH_FCAS_REQ |
| Comment | PREDISPATCH_FCAS_REQ shows Predispatch Constraint tracking for Regional FCAS Requirements. |

23.3.2 Description

Source

PREDISPATCH_FCAS_REQ updates with each pre-dispatch run (half hourly)

Volume

Approximately 2,000 rows per day.

Note

The PERIODID columns in tables PREDISPATCHCONSTRAINT and PREDISPATCH_FCAS_REQ have no consistent relationship with the other PERIODID values in the other tables in the PRE-DISPATCH package (such as PREDISPATCHPRICE). AEMO and many Participants appreciate the data model is inconsistent, but the cost of changing existing systems has been judged as being unjustifiable. An additional field DATETIME was added to allow joins between these data sets.

23.3.3 Primary Key Columns

- Name
- BIDTYPE
- DATETIME
- GENCONID
- REGIONID

23.3.4 Index Columns

- Name
- LASTCHANGED

23.3.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | | PreDispatch Sequence number |
| RUNNO | NUMBER(3,0) | | Case Run number |
| INTERVENTION | NUMBER(2,0) | | Intervention Flag |
| PERIODID | VARCHAR2(20) | | Unique period identifier, in the format yyyymmddpp. The period (pp) is 01 to 48, with 01 corresponding to the half-hour ending at 04:30am. |
| GENCONID | VARCHAR2(20) | X | Generic Constraint ID - Join to table GenConData |
| REGIONID | VARCHAR2(10) | X | Region ID |
| BIDTYPE | VARCHAR2(10) | X | Bid Type Identifier |
| GENCONEFFECTIVEDATE | DATE | | Generic Constraint EffectiveDate - Join to table GenConData |
| GENCONVERSIONNO | NUMBER(3,0) | | Generic Constraint Version number - Join to table GenConData |
| MARGINALVALUE | NUMBER(16,6) | | Marginal Value of generic constraint |
| DATETIME | DATE | X | Date and Time of trading interval |
| LASTCHANGED | DATE | | Last date and time record changed |
| BASE_COST | NUMBER(18,8) | | The base cost of the constraint for this service, before the regulation/contingency split |
| ADJUSTED_COST | NUMBER(18,8) | | The adjusted cost of the constraint for this service, before the regulation/contingency split |
| ESTIMATED_CMPF | NUMBER(18,8) | | An estimated value for the constraint CMPF, based on dispatched data |
| ESTIMATED_CRMPF | NUMBER(18,8) | | An estimated value for the constraint CRMPF, based on dispatched data |
| RECOVERY_FACTOR_CMPF | NUMBER(18,8) | | Estimated recovery factor for CMPF based recovery |
| RECOVERY_FACTOR_CRMPF | NUMBER(18,8) | | Estimated recovery factor for CRMPF |

| | | | |
|--|--|--|----------------|
| | | | based recovery |
|--|--|--|----------------|

23.4 Table: PREDISPATCH_LOCAL_PRICE

23.4.1 PREDISPATCH_LOCAL_PRICE

| | |
|---------|--|
| Name | PREDISPATCH_LOCAL_PRICE |
| Comment | Sets out local pricing offsets associated with each DUID connection point for each dispatch period |

23.4.2 Primary Key Columns

| |
|----------|
| Name |
| DATETIME |
| DUID |

23.4.3 Index Columns

| |
|----------|
| Name |
| DATETIME |
| DUID |

23.4.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|---------------|-----------|---|
| PREDISPATCHSEQNO | VARCHAR2(20) | X | Unique identifier of predispach run in the form YYYYMMDDPP with 01 at 04:30 |
| DATETIME | DATE | X | The unique identifier for the interval within this study |
| DUID | VARCHAR2(20) | X | Dispatchable unit identifier |
| PERIODID | VARCHAR2(20) | | A period count, starting from 1 for each predispach run. Use DATETIME to determine half hour period |
| LOCAL_PRICE_ADJUSTMENT | NUMBER(10, 2) | | Aggregate Constraint contribution cost of this unit: Sum(MarginalValue x Factor) for all relevant Constraints |

| | | | |
|---------------------|-------------|--|--|
| LOCALLY_CONSTRAINED | NUMBER(1,0) | | Key for Local_Price_Adjustment: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |
| LASTCHANGED | DATE | | Last date and time record changed |

23.5 Table: PREDISPATCH_MNSPBIDTRK

23.5.1 PREDISPATCH_MNSPBIDTRK

Name PREDISPATCH_MNSPBIDTRK

Comment PREDISPATCH_MNSPBIDTRK shows the MNSP bid tracking, including the bid version used in each predispach run for each MNSP Interconnector Link. PREDISPATCH_MNSPBIDTRK shows the audit trail of the bid used for each predispach run.

23.5.2 Description

Source

Own (confidential) data updates every predispach run. All bids are available to all participants as part of next day market data.

Volume

1, 700, 000 per year

23.5.3 Primary Key Columns

Name

LINKID

PERIODID

PREDISPATCHSEQNO

23.5.4 Index Columns

Name

LASTCHANGED

23.5.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---------------------------|
| PREDISPATCHSEQNO | VARCHAR2(20) | X | Predispach run identifier |

| | | | |
|----------------|--------------|---|--|
| LINKID | VARCHAR2(10) | X | Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to. |
| PERIODID | VARCHAR2(20) | X | Trading Interval number |
| PARTICIPANTID | VARCHAR2(10) | | Participant Identifier |
| SETTLEMENTDATE | DATE | | Market Date from which bid is active |
| OFFERDATE | TIMESTAMP(3) | | Time this bid was processed and loaded |
| VERSIONNO | NUMBER(3,0) | | Version No. for given offer date and settlement date used |
| DATETIME | DATE | | Period expressed as Date/Time |
| LASTCHANGED | DATE | | Record creation timestamp |

23.6 Table: PREDISPATCBLOCKEDCONSTRAINT

23.6.1 PREDISPATCBLOCKEDCONSTRAINT

| | |
|---------|--|
| Name | PREDISPATCBLOCKEDCONSTRAINT |
| Comment | PREDISPATCH Blocked Constraints lists any constraints that were blocked in a Predispatch run. If no constraints are blocked, there will be no rows for that predispatch run. |

23.6.2 Primary Key Columns

| |
|------------------|
| Name |
| CONSTRAINTID |
| PREDISPATCHSEQNO |

23.6.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | X | Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30 |
| CONSTRAINTID | VARCHAR2(20) | X | Generic Constraint identifier (synonymous with GenConID) |

23.7 Table: PREDISPATHCASESOLUTION

23.7.1 PREDISPATHCASESOLUTION

| | |
|---------|--|
| Name | PREDISPATHCASESOLUTION |
| Comment | PREDISPATHCASESOLUTION provides information relating to the complete predispach run. The fields provide an overview of the dispatch run results allowing immediate identification of conditions such as energy or FCAS deficiencies. |

23.7.2 Description

PREDISPATHCASESOLUTION data is public, so is available to all participants.

Source

PREDISPATHCASESOLUTION updates every half-hour.

Volume

Approximately 48 records per day.

23.7.3 Primary Key Columns

| |
|------------------|
| Name |
| PREDISPATCHSEQNO |
| RUNNO |

23.7.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

23.7.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| PREDISPATCHSEQNO | VARCHAR2(20) | X | Unique identifier of predispach run in the form YYYYMMDDPP with 01 at 04:30 |
| RUNNO | NUMBER(3,0) | X | Predispach run no, normally 1. |

| | | | |
|------------------------------|---------------|--|--|
| SOLUTIONSTATUS | NUMBER(2,0) | | If non-zero indicated one of the following conditions: 1 = Supply Scarcity, Excess generation or constraint violations, -X = Model failure |
| SPDVERSION | VARCHAR2(20) | | Current version of SPD |
| NONPHYSICALLOSSES | NUMBER(1,0) | | Non-Physical Losses algorithm invoked during this run |
| TOTALOBJECTIVE | NUMBER(27,10) | | The Objective function from the LP |
| TOTALAREAGENVIOIATION | NUMBER(15,5) | | Total Region Demand violations |
| TOTALINTERCONNECTORVIOIATION | NUMBER(15,5) | | Total interconnector violations |
| TOTALGENERICVIOIATION | NUMBER(15,5) | | Total generic constraint violations |
| TOTALRAMPRATEVIOIATION | NUMBER(15,5) | | Total ramp rate violations |
| TOTALUNITMWCAPACITYVIOIATION | NUMBER(15,5) | | Total unit capacity violations |
| TOTAL5MINVIOIATION | NUMBER(15,5) | | Total of 5 minute ancillary service region violations |
| TOTALREGVIOIATION | NUMBER(15,5) | | Total of Regulation ancillary service region violations |
| TOTAL6SECVIOIATION | NUMBER(15,5) | | Total of 6 second ancillary service region violations |
| TOTAL60SECVIOIATION | NUMBER(15,5) | | Total of 60 second ancillary service region violations |
| TOTALASPROFILEVIOIATION | NUMBER(15,5) | | Total of ancillary service trader profile violations |
| TOTALENERGYCONSTRVIOIATION | NUMBER(15,5) | | Total of Energy Constrained unit offer violations. |
| TOTALENERGYOFFERVIOIATION | NUMBER(15,5) | | Total of unit summated offer band violations |
| LASTCHANGED | DATE | | Last date and time record changed |
| INTERVENTION | NUMBER(2,0) | | Flag to indicate if this Pre-Dispatch case includes an intervention pricing run: 0 = case does not include an intervention pricing run, 1 = case does include an intervention pricing run. This field has a default value of 0 and is not nullable |

23.8 Table: PREDISPATCHCONSTRAINT

23.8.1 PREDISPATCHCONSTRAINT

| | |
|---------|--|
| Name | PREDISPATCHCONSTRAINT |
| Comment | <p>PREDISPATCHCONSTRAINT sets out constraints that are binding in each predispach run and interconnector constraints (whether binding or not). Only binding and interconnector constraints are reported. Binding contracts have marginal value greater than \$0. Interconnector constraints are listed so RHS values can be reported for ST PASA.</p> <p>Constraint solutions only report fixed loading /MR constraints on the next day.</p> |

23.8.2 Description

PREDISPATCHCONSTRAINT data is confidential on the day of creation, and public to all participants after the end of the market day.

Source

PREDISPATCHCONSTRAINT updates with every thirty-minute predispach run.

Note

The PERIODID columns in tables PREDISPATCHCONSTRAINT and PREDISPATCH_FCAS_REQ have no consistent relationship with the other PERIODID values in the other tables in the PRE-DISPACH package (such as PREDISPATCHPRICE). AEMO and many Participants appreciate the data model is inconsistent, but the cost of changing existing systems has been judged as being unjustifiable. An additional field DATETIME was added to allow joins between these data sets.

23.8.3 Primary Key Columns

| |
|--------------|
| Name |
| CONSTRAINTID |
| DATETIME |

23.8.4 Index Columns

| |
|------------------|
| Name |
| PREDISPATCHSEQNO |

23.8.5 Index Columns

Name

LASTCHANGED

23.8.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | | Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30 |
| RUNNO | NUMBER(3,0) | | SPD Predispatch run no, typically 1. It increments if the case is re-run. |
| CONSTRAINTID | VARCHAR2(20) | X | Generic constraint identifier |
| PERIODID | VARCHAR2(20) | | Unique period identifier, in the format yyyyymmddpp. The period (pp) is 01 to 48, with 01 corresponding to the half-hour ending at 04:30am. |
| INTERVENTION | NUMBER(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0 |
| RHS | NUMBER(15,5) | | RHS value used. |
| MARGINALVALUE | NUMBER(15,5) | | Marginal value of violated constraint |
| VIOLATIONDEGREE | NUMBER(15,5) | | Degree of constraint violation |
| LASTCHANGED | DATE | | Last date and time record changed |
| DATETIME | DATE | X | Period date and time |
| DUID | VARCHAR2(20) | | DUID to which the Constraint is confidential. Null denotes non-confidential |
| GENCONID_EFFECTIVEDATE | DATE | | Effective date of the Generic Constraint (ConstraintID). This field is used to track the version of this generic constraint applied in this dispatch interval |
| GENCONID_VERSIONNO | NUMBER(22,0) | | Version number of the Generic Constraint (ConstraintID). This field is used to track |

| | | | |
|-----|--------------|--|--|
| | | | the version of this generic constraint applied in this dispatch interval |
| LHS | number(15,5) | | Aggregation of the constraints LHS term solution values |

23.9 Table: PREDISPATCHINTERCONNECTORRES

23.9.1 PREDISPATCHINTERCONNECTORRES

| | |
|---------|---|
| Name | PREDISPATCHINTERCONNECTORRES |
| Comment | <p>PREDISPATCHINTERCONNECTORRES records Interconnector flows and losses for the periods calculated in each predispach run. Only binding and interconnector constraints are reported.</p> <p>Some fields are for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraint setting the energy import and export limits.</p> |

23.9.2 Description

Source

PREDISPATCHINTERCONNECTORRES updates with every thirty-minute predispach run.

Note

MW losses can be negative depending on the flow.

The definition of direction of flow for an interconnector is that positive flow starts from the FROMREGION in INTERCONNECTOR.

23.9.3 Primary Key Columns

| |
|------------------|
| Name |
| DATETIME |
| INTERCONNECTORID |

23.9.4 Index Columns

| |
|------------------|
| Name |
| PREDISPATCHSEQNO |

23.9.5 Index Columns

| |
|------|
| Name |
|------|

LASTCHANGED

23.9.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | | Unique identifier of predispach run in the form YYYYMMDDPP with 01 at 04:30 |
| RUNNO | NUMBER(3,0) | | SPD Predispach run no, typically 1. It increments if the case is re-run. |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector identifier |
| PERIODID | VARCHAR2(20) | | PERIODID is just a period count, starting from 1 for each predispach run. Use DATETIME to determine half hour period. |
| INTERVENTION | NUMBER(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0 |
| METEREDMWFLOW | NUMBER(15,5) | | Metered MW Flow from EMS. For periods subsequent to the first period of a Pre-Dispatch run, this value represents the cleared target for the previous period of that Pre-Dispatch run. |
| MWFLOW | NUMBER(15,5) | | Calculated MW Flow |
| MWLOSSES | NUMBER(15,5) | | Calculated MW Losses |
| MARGINALVALUE | NUMBER(15,5) | | \$ Marginal value of interconnector constraint from SPD |
| VIOLATIONDEGREE | NUMBER(15,5) | | Degree of violation of interconnector constraint in MW |
| LASTCHANGED | DATE | | Last changed. |
| DATETIME | DATE | X | Period date and time |
| EXPORTLIMIT | NUMBER(15,5) | | Calculated export limit. |
| IMPORTLIMIT | NUMBER(15,5) | | Calculated import limit. |

| | | | |
|-------------------------------|--------------|--|---|
| MARGINALLOSS | NUMBER(15,5) | | Marginal loss factor. Use this to adjust bids between reports. |
| EXPORTGENCONID | VARCHAR2(20) | | Generic Constraint setting the export limit |
| IMPORTGENCONID | VARCHAR2(20) | | Generic Constraint setting the import limit |
| FCASEXPORTLIMIT | NUMBER(15,5) | | Calculated export limit applying to energy + FCAS. |
| FCASIMPORTLIMIT | NUMBER(15,5) | | Calculated import limit applying to energy + FCAS. |
| LOCAL_PRICE_ADJUSTMENT_EXPORT | NUMBER(10,2) | | Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0) |
| LOCALLY_CONSTRAINED_EXPORT | NUMBER(1,0) | | Key for Local_Price_Adjustment_Export: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |
| LOCAL_PRICE_ADJUSTMENT_IMPORT | NUMBER(10,2) | | Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0) |
| LOCALLY_CONSTRAINED_IMPORT | NUMBER(1,0) | | Key for Local_Price_Adjustment_Import: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints |

23.10 Table: PREDISPATCHINTERSENSITIVITIES

23.10.1 PREDISPATCHINTERSENSITIVITIES

| | |
|---------|---|
| Name | PREDISPATCHINTERSENSITIVITIES |
| Comment | PREDISPATCHINTERSENSITIVITIES sets out the sensitivity flows for each interconnector by period. |

23.10.2 Primary Key Columns

| |
|------------------|
| Name |
| DATETIME |
| INTERCONNECTORID |

23.10.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

23.10.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | | Unique identifier of predispach run in the form YYYYMMDDPP with 01 at 04:30 |
| RUNNO | NUMBER(3,0) | | LP Solver Predispach run no, typically 1. It increments if the case is re-run. |
| INTERCONNECTORID | VARCHAR2(10) | X | Unique interconnector identifier |
| PERIODID | VARCHAR2(20) | | PERIODID is just a period count, starting from 1 for each predispach run. Use DATETIME to determine half hour period. |
| INTERVENTION | NUMBER(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond |

| | | | |
|---------------------|--------------|---|--|
| | | | to INTERVENTION=0 |
| DATETIME | DATE | X | Period date and time |
| INTERVENTION_ACTIVE | NUMBER(1,0) | | Flag to indicate if the sensitivity run contains an active intervention constraint: 0 = No, 1 = Yes |
| MWFLOW1 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 1 |
| MWFLOW2 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 2 |
| MWFLOW3 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 3 |
| MWFLOW4 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 4 |
| MWFLOW5 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 5 |
| MWFLOW6 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 6 |
| MWFLOW7 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 7 |
| MWFLOW8 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 8 |
| MWFLOW9 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 9 |
| MWFLOW10 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 10 |
| MWFLOW11 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 11 |
| MWFLOW12 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 12 |
| MWFLOW13 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 13 |
| MWFLOW14 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 14 |
| MWFLOW15 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 15 |
| MWFLOW16 | NUMBER(15,5) | | MW flow for given Interconnector for |

| | | | |
|----------|--------------|--|--|
| | | | scenario 16 |
| MWFLOW17 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 17 |
| MWFLOW18 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 18 |
| MWFLOW19 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 19 |
| MWFLOW20 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 20 |
| MWFLOW21 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 21 |
| MWFLOW22 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 22 |
| MWFLOW23 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 23 |
| MWFLOW24 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 24 |
| MWFLOW25 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 25 |
| MWFLOW26 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 26 |
| MWFLOW27 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 27 |
| MWFLOW28 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 28 |
| MWFLOW29 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 29 |
| MWFLOW30 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 30 |
| MWFLOW31 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 31 |
| MWFLOW32 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 32 |
| MWFLOW33 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 33 |
| MWFLOW34 | NUMBER(15,5) | | MW flow for given Interconnector for |

| | | | |
|-------------|--------------|--|--|
| | | | scenario 34 |
| MWFLOW35 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 35 |
| MWFLOW36 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 36 |
| MWFLOW37 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 37 |
| MWFLOW38 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 38 |
| MWFLOW39 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 39 |
| MWFLOW40 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 40 |
| MWFLOW41 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 41 |
| MWFLOW42 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 42 |
| MWFLOW43 | NUMBER(15,5) | | MW flow for given Interconnector for scenario 43 |
| LASTCHANGED | DATE | | Last date and time record changed |

23.11 Table: PREDISPATCHLOAD

23.11.1 PREDISPATCHLOAD

Name PREDISPATCHLOAD

Comment PREDISPATCHLOAD shows pre-dispatch targets for each dispatchable unit, including additional fields to handle the Ancillary Services functionality. No record is written where a unit is not dispatched. PREDISPATCHLOAD shows all the results for each period.

23.11.2 Description

Source

Own (confidential) data updates every thirty minutes, with whole market data for the day before available as part of next day market data.

Note

** A flag exists for each ancillary service type such that a unit trapped or stranded in one or more service type can be immediately identified. The flag is defined using the low 3 bits as follows:

| Flag Name | Bit | Description |
|-----------|-----|---|
| Enabled | 0 | The unit is enabled to provide this ancillary service type. |
| Trapped | 1 | The unit is enabled to provide this ancillary service type, however the profile for this service type is causing the unit to be trapped in the energy market. |
| Stranded | 2 | The unit is bid available to provide this ancillary service type, however, the unit is operating in the energy market outside of the profile for this service type and is stranded from providing this service. |

Interpretation of the bit-flags as a number gives the following possibilities (i.e. other combinations are not possible):

| Numeric Value | Bit (2,1,0) | Meaning |
|---------------|-------------|---|
| 0 | 000 | Not stranded, not trapped, not enabled. |
| 1 | 001 | Not stranded, not trapped, is enabled. |
| 3 | 011 | Not stranded, is trapped, is enabled. |
| 4 | 100 | Is stranded, not trapped, not enabled. |

For example, testing for availability can be done by checking for odd (=available) or even (=unavailable) number (e.g. `mod(flag, 2)` results in 0 for unavailable and 1 for available).

*** "Actual FCAS availability" is determined in a post-processing step based on the energy target (TotalCleared) and bid FCAS trapezium for that interval. However, if the unit is outside the bid FCAS trapezium at the start of the interval (InitialMW), the "Actual FCAS availability" is set to zero. For regulation services, the trapezium is the most restrictive of the bid/SCADA trapezium values.

23.11.3 Primary Key Columns

Name
DATETIME

DUID

23.11.4 Index Columns

Name

LASTCHANGED

23.11.5 Index Columns

Name

DUID

LASTCHANGED

23.11.6 Index Columns

Name

PREDISPATCHSEQNO

23.11.7 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| PREDISPATCHSEQNO | VARCHAR2(20) | | Unique identifier of predispach run in the form YYYYMMDDPP with 01 at 04:30 |
| RUNNO | NUMBER(3,0) | | SPD Predispach run no, typically 1. It increments if the case is re-run. |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier for fast start |
| TRADETYPE | NUMBER(2,0) | | Not used |
| PERIODID | VARCHAR2(20) | | PERIODID is just a period count, starting from 1 for each predispach run. Use DATETIME to determine half hour period. |
| INTERVENTION | NUMBER(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that |

| | | | |
|----------------------|--------------|--|---|
| | | | there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0 |
| CONNECTIONPOINTID | VARCHAR2(12) | | Connection point identifier |
| AGCSTATUS | NUMBER(2,0) | | AGC Status from EMS |
| DISPATCHMODE | NUMBER(2,0) | | Dispatch mode of unit for fast start (1-4) |
| INITIALMW | NUMBER(15,5) | | Initial MW at start of first period. For periods subsequent to the first period of a Pre-Dispatch run, this value represents the cleared target for the previous period of that Pre-Dispatch run. |
| TOTALCLEARED | NUMBER(15,5) | | Target MW at end of period |
| LOWER5MIN | NUMBER(15,5) | | Lower 5 min MW target in period |
| LOWER60SEC | NUMBER(15,5) | | Lower 60 sec MW target in period |
| LOWER6SEC | NUMBER(15,5) | | Lower 6 sec MW target in period |
| RAISE5MIN | NUMBER(15,5) | | Raise 5 min MW target in period |
| RAISE60SEC | NUMBER(15,5) | | Raise 60 sec MW target in period |
| RAISE6SEC | NUMBER(15,5) | | Raise 6 sec MW target in period |
| RAMPDOWNRATE | NUMBER(15,5) | | Ramp down rate in period in MW/minute |
| RAMPUPRATE | NUMBER(15,5) | | Ramp up rate in period in MW/minute |
| DOWNEPF | NUMBER(15,5) | | Not used in Pre-Dispatch |
| UPEPF | NUMBER(15,5) | | Not used in Pre-Dispatch |
| MARGINAL5MINVALUE | NUMBER(15,5) | | Marginal \$ value for 5 min from LP Solver |
| MARGINAL60SECVALUE | NUMBER(15,5) | | Marginal \$ value for 60 seconds from LP Solver |
| MARGINAL6SECVALUE | NUMBER(15,5) | | Marginal \$ value for 6 seconds from LP Solver |
| MARGINALVALUE | NUMBER(15,5) | | Marginal \$ value for energy from LP Solver |
| VIOLATION5MINDEGREE | NUMBER(15,5) | | Violation MW 5 min |
| VIOLATION60SECDEGREE | NUMBER(15,5) | | Violation MW 60 seconds |

| | | | |
|------------------------------|--------------|---|--|
| VIOLATION6SECDEGREE | NUMBER(15,5) | | Violation MW 6 seconds |
| VIOLATIONDEGREE | NUMBER(15,5) | | Violation MW energy |
| LASTCHANGED | DATE | | Last date and time record changed |
| DATETIME | DATE | X | Period date and time |
| LOWERREG | NUMBER(15,5) | | Lower Regulation reserve target |
| RAISEREG | NUMBER(15,5) | | Raise Regulation reserve target |
| AVAILABILITY | NUMBER(15,5) | | For Scheduled units, this is the MAXAVAIL bid availability For Semi-scheduled units, this is the lower of MAXAVAIL bid availability and UIGF |
| RAISE6SECFLAGS | NUMBER(3,0) | | Raise 6sec status flag |
| RAISE60SECFLAGS | NUMBER(3,0) | | Raise 60sec status flag |
| RAISE5MINFLAGS | NUMBER(3,0) | | Raise 5min status flag |
| RAISEREGFLAGS | NUMBER(3,0) | | Raise reg status flag |
| LOWER6SECFLAGS | NUMBER(3,0) | | Lower 6sec status flag |
| LOWER60SECFLAGS | NUMBER(3,0) | | Lower 60sec status flag |
| LOWER5MINFLAGS | NUMBER(3,0) | | Lower 5min status flag |
| LOWERREGFLAGS | NUMBER(3,0) | | Lower Reg status flag |
| RAISE6SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 6sec availability |
| RAISE60SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 60sec availability |
| RAISE5MINACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 5min availability |
| RAISEREGACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise reg availability |
| LOWER6SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 6sec availability |
| LOWER60SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 60sec availability |
| LOWER5MINACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 5min availability |

| | | | |
|-----------------------------|--------------|--|--|
| LOWERREGACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower reg availability |
| SEMIDISPATCHCAP | NUMBER(3,0) | | Boolean representation flagging if the Target is Capped |
| CONFORMANCE_MODE | NUMBER(6,0) | | Mode specific to units within an aggregate. 0 - no monitoring, 1 - aggregate monitoring, 2 - individual monitoring due to constraint |
| UIGF | NUMBER(15,5) | | For Semi-Scheduled units. Unconstrained Intermittent Generation Forecast value provided to NEMDE |
| RAISE1SEC | NUMBER(15,5) | | Dispatched Raise1Sec - TraderSolution element R1Target attribute |
| RAISE1SECFLAGS | NUMBER(3,0) | | TraderSolution element R1Flags attribute |
| LOWER1SEC | NUMBER(15,5) | | Dispatched Lower1Sec - TraderSolution element L1Target attribute |
| LOWER1SECFLAGS | NUMBER(3,0) | | TraderSolution element L1Flags attribute |
| RAISE1SECACTUALAVAILABILITY | NUMBER(16,6) | | Trapezium adjusted Raise 1Sec Availability |
| LOWER1SECACTUALAVAILABILITY | NUMBER(16,6) | | Trapezium adjusted Lower 1Sec Availability |

23.12 Table: PREDISPATCHOFFERTRK

23.12.1 PREDISPATCHOFFERTRK

Name PREDISPATCHOFFERTRK

Comment PREDISPATCHOFFERTRK is for the ancillary service bid tracking of predispatch processing. PREDISPATCHOFFERTRK identifies which bids from BIDDAYOFFER and BIDOFFERPERIOD were applied for a given unit and ancillary service for each predispatch run.

23.12.2 Description

Source

PREDISPATCHOFFERTRK updates every 30 minutes. The data is confidential to each participant until the next trading day.

Volume

Approximately 45,000 records per day.

23.12.3 Primary Key Columns

Name

BIDTYPE

DUID

PERIODID

PREDISPATCHSEQNO

23.12.4 Index Columns

Name

LASTCHANGED

23.12.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
|------|-----------|-----------|---------|

| | | | |
|-------------------|--------------|---|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | X | Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30 |
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |
| BIDTYPE | VARCHAR2(20) | X | Bid type Identifier - the ancillary service to which the bid applies |
| PERIODID | VARCHAR2(20) | X | PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period. |
| BIDSETTLEMENTDATE | DATE | | Settlement date of bid applied |
| BIDOFFERDATE | TIMESTAMP(3) | | Time this bid was processed and loaded |
| DATETIME | DATE | | Period date and time |
| LASTCHANGED | DATE | | Last date and time record changed |

23.13 Table: PREDISPATCHPRICE

23.13.1 PREDISPATCHPRICE

| | |
|---------|--|
| Name | PREDISPATCHPRICE |
| Comment | PREDISPATCHPRICE records predispach prices for each region by period for each predispach run, including fields to handle the Ancillary Services functionality. |

23.13.2 Description

PREDISPATCHPRICE data is public, so is available to all participants.

Source

PREDISPATCHPRICE updates with every thirty-minute predispach run.

23.13.3 Primary Key Columns

| |
|----------|
| Name |
| DATETIME |
| REGIONID |

23.13.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

23.13.5 Index Columns

| |
|------------------|
| Name |
| PREDISPATCHSEQNO |

23.13.6 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|------------------|--------------|---|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | | Unique identifier of predispach run in the form YYYYMMDDPP with 01 at 04:30 |
| RUNNO | NUMBER(3,0) | | LP Solver Predispach run no, typically 1. It increments if the case is re-run. |
| REGIONID | VARCHAR2(10) | X | Unique region identifier |
| PERIODID | VARCHAR2(20) | | PERIODID is just a period count, starting from 1 for each predispach run. Use DATETIME to determine half hour period. |
| INTERVENTION | NUMBER(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0 |
| RRP | NUMBER(15,5) | | Regional Reference Price |
| EEP | NUMBER(15,5) | | Excess energy price |
| RRP1 | NUMBER(15,5) | | Not used |
| EEP1 | NUMBER(15,5) | | Not used |
| RRP2 | NUMBER(15,5) | | Not used |
| EEP2 | NUMBER(15,5) | | Not used |
| RRP3 | NUMBER(15,5) | | Not used |
| EEP3 | NUMBER(15,5) | | Not used |
| RRP4 | NUMBER(15,5) | | Not used |
| EEP4 | NUMBER(15,5) | | Not used |
| RRP5 | NUMBER(15,5) | | Not used |
| EEP5 | NUMBER(15,5) | | Not used |
| RRP6 | NUMBER(15,5) | | Not used |
| EEP6 | NUMBER(15,5) | | Not used |
| RRP7 | NUMBER(15,5) | | Not used |
| EEP7 | NUMBER(15,5) | | Not used |
| RRP8 | NUMBER(15,5) | | Not used |

| | | | |
|---------------|--------------|---|---|
| EEP8 | NUMBER(15,5) | | Not used |
| LASTCHANGED | DATE | | Last date and time record changed |
| DATETIME | DATE | X | Period date and time |
| RAISE6SECRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| RAISE60SECRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| RAISE5MINRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| RAISEREGRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| LOWER6SECRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| LOWER60SECRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| LOWER5MINRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| LOWERREGRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| RAISE1SECRRP | NUMBER(15,5) | | Regional Raise 1Sec Price - R1Price attribute after capping /flooring |
| LOWER1SECRRP | NUMBER(15,5) | | Regional Lower 1Sec Price - RegionSolution element L1Price attribute |

23.14 Table: PREDISPATCHPRICESENSITIVITIES

23.14.1 PREDISPATCHPRICESENSITIVITIES

| | |
|---------|--|
| Name | PREDISPATCHPRICESENSITIVITIES |
| Comment | PREDISPATCHPRICESENSITIVITIES sets out the sensitivity prices for each region by period. |

23.14.2 Description

Source

The plan is to provide this data every half-hour.

23.14.3 Primary Key Columns

Name
DATETIME
REGIONID

23.14.4 Index Columns

Name
PREDISPATCHSEQNO

23.14.5 Index Columns

Name
LASTCHANGED

23.14.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | | Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30 |

| | | | |
|--------------|--------------|---|--|
| RUNNO | NUMBER(3,0) | | LP Solver Predispatch run no, typically 1. It increments if the case is re-run. |
| REGIONID | VARCHAR2(10) | X | Unique region identifier |
| PERIODID | VARCHAR2(20) | | PERIODID is just a period count, starting from 1 for each predispatch run. Use DATETIME to determine half hour period. |
| INTERVENTION | NUMBER(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0 |
| RRPEEP1 | NUMBER(15,5) | | Regional Energy Price for scenario 1 |
| RRPEEP2 | NUMBER(15,5) | | Regional Energy Price for scenario 2 |
| RRPEEP3 | NUMBER(15,5) | | Regional Energy Price for scenario 3 |
| RRPEEP4 | NUMBER(15,5) | | Regional Energy Price for scenario 4 |
| RRPEEP5 | NUMBER(15,5) | | Regional Energy Price for scenario 5 |
| RRPEEP6 | NUMBER(15,5) | | Regional Energy Price for scenario 6 |
| RRPEEP7 | NUMBER(15,5) | | Regional Energy Price for scenario 7 |
| RRPEEP8 | NUMBER(15,5) | | Regional Energy Price for scenario 8 |
| RRPEEP9 | NUMBER(15,5) | | Regional Energy Price for scenario 9 |
| RRPEEP10 | NUMBER(15,5) | | Regional Energy Price for scenario 10 |
| RRPEEP11 | NUMBER(15,5) | | Regional Energy Price for scenario 11 |
| RRPEEP12 | NUMBER(15,5) | | Regional Energy Price for scenario 12 |
| RRPEEP13 | NUMBER(15,5) | | Regional Energy Price for scenario 13 |
| RRPEEP14 | NUMBER(15,5) | | Regional Energy Price for scenario 14 |
| RRPEEP15 | NUMBER(15,5) | | Regional Energy Price for scenario 15 |
| RRPEEP16 | NUMBER(15,5) | | Regional Energy Price for scenario 16 |
| RRPEEP17 | NUMBER(15,5) | | Regional Energy Price for scenario 17 |
| RRPEEP18 | NUMBER(15,5) | | Regional Energy Price for scenario 18 |

| | | | |
|---------------------|--------------|---|--|
| RRPEEP19 | NUMBER(15,5) | | Regional Energy Price for scenario 19 |
| RRPEEP20 | NUMBER(15,5) | | Regional Energy Price for scenario 20 |
| RRPEEP21 | NUMBER(15,5) | | Regional Energy Price for scenario 21 |
| RRPEEP22 | NUMBER(15,5) | | Regional Energy Price for scenario 22 |
| RRPEEP23 | NUMBER(15,5) | | Regional Energy Price for scenario 23 |
| RRPEEP24 | NUMBER(15,5) | | Regional Energy Price for scenario 24 |
| RRPEEP25 | NUMBER(15,5) | | Regional Energy Price for scenario 25 |
| RRPEEP26 | NUMBER(15,5) | | Regional Energy Price for scenario 26 |
| RRPEEP27 | NUMBER(15,5) | | Regional Energy Price for scenario 27 |
| RRPEEP28 | NUMBER(15,5) | | Regional Energy Price for scenario 28 |
| LASTCHANGED | DATE | | Last date and time record changed |
| DATETIME | DATE | X | Period date and time |
| RRPEEP29 | NUMBER(15,5) | | Regional Energy Price for scenario 29 |
| RRPEEP30 | NUMBER(15,5) | | Regional Energy Price for scenario 30 |
| RRPEEP31 | NUMBER(15,5) | | Regional Energy Price for scenario 31 |
| RRPEEP32 | NUMBER(15,5) | | Regional Energy Price for scenario 32 |
| RRPEEP33 | NUMBER(15,5) | | Regional Energy Price for scenario 33 |
| RRPEEP34 | NUMBER(15,5) | | Regional Energy Price for scenario 34 |
| RRPEEP35 | NUMBER(15,5) | | Regional Energy Price for scenario 35 |
| INTERVENTION_ACTIVE | NUMBER(1,0) | | Flag to indicate if the sensitivity run contains an active intervention constraint: 0 = No, 1 = Yes |
| RRPEEP36 | NUMBER(15,5) | | Regional Energy Price for scenario 36 |
| RRPEEP37 | NUMBER(15,5) | | Regional Energy Price for scenario 37 |
| RRPEEP38 | NUMBER(15,5) | | Regional Energy Price for scenario 38 |
| RRPEEP39 | NUMBER(15,5) | | Regional Energy Price for scenario 39 |
| RRPEEP40 | NUMBER(15,5) | | Regional Energy Price for scenario 40 |
| RRPEEP41 | NUMBER(15,5) | | Regional Energy Price for scenario 41 |

| | | | |
|----------|--------------|--|---------------------------------------|
| RRPEEP42 | NUMBER(15,5) | | Regional Energy Price for scenario 42 |
| RRPEEP43 | NUMBER(15,5) | | Regional Energy Price for scenario 43 |

23.15 Table: PREDISPATCHREGIONSUM

23.15.1 PREDISPATCHREGIONSUM

| | |
|---------|--|
| Name | PREDISPATCHREGIONSUM |
| Comment | PREDISPATCHREGIONSUM sets out the overall regional Pre-Dispatch results for base case details (excluding price). |

23.15.2 Description

PREDISPATCHREGIONSUM includes the forecast demand (total demand) and Frequency Control Ancillary Services (FCAS) requirements (specifically, for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations). PREDISPATCHREGIONSUM updates each half-hour with the latest Pre-Dispatch details for the remaining period.

Regional demand can be calculated as total demand plus dispatchable load (i.e. Regional demand = Total Demand + Dispatchable Load)

Source

PREDISPATCHREGIONSUM updates every thirty minutes.

Note

*** "Actual FCAS availability" is determined in a post-processing step based on the energy target (TotalCleared) and bid FCAS trapezium for that interval. However, if the unit is outside the bid FCAS trapezium at the start of the interval (InitialMW), the "Actual FCAS availability" is set to zero. For regulation services, the trapezium is the most restrictive of the bid/SCADA trapezium values.

From 16 February 2006, the old reserve values are no longer populated (i.e. are null), being LORSurplus and LRCSurplus. For more details on the changes to Reporting of Reserve Condition Data, refer to AEMO Communication 2042. For the best available indicator of reserve condition in each of the regions of the NEM for each trading interval, refer to the latest run of the Pre-Dispatch PASA (see table PDPASA_REGIONSOLUTION).

23.15.3 Primary Key Columns

- Name
- DATETIME
- REGIONID

23.15.4 Index Columns

- Name
- LASTCHANGED

23.15.5 Index Columns

Name

PREDISPATCHSEQNO

23.15.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|--|
| PREDISPATCHSEQNO | VARCHAR2(20) | | Unique identifier of predispatch run in the form YYYYMMDDPP with 01 at 04:30 |
| RUNNO | NUMBER(3,0) | | LP Solver Pre-Dispatch run no, typically 1. It increments if the case is re-run. |
| REGIONID | VARCHAR2(10) | X | Unique region identifier |
| PERIODID | VARCHAR2(20) | | PERIODID is just a period count, starting from 1 for each Pre-Dispatch run. Use DATETIME to determine half hour period. |
| INTERVENTION | NUMBER(2,0) | | Flag to indicate if this result set was sourced from the pricing run (INTERVENTION=0) or the physical run (INTERVENTION=1). In the event that there is not intervention in the market, both pricing and physical runs correspond to INTERVENTION=0 |
| TOTALDEMAND | NUMBER(15,5) | | Total demand in MW for period (less normally on loads) |
| AVAILABLEGENERATION | NUMBER(15,5) | | Aggregate generation bid available in region |
| AVAILABLELOAD | NUMBER(15,5) | | Aggregate load bid available in region |
| DEMANDFORECAST | NUMBER(15,5) | | Delta MW value only |
| DISPATCHABLEGENERATION | NUMBER(15,5) | | Generation dispatched in period |
| DISPATCHABLELOAD | NUMBER(15,5) | | Load dispatched in period |
| NETINTERCHANGE | NUMBER(15,5) | | Net interconnector flow from the regional reference node |
| EXCESSGENERATION | NUMBER(15,5) | | Excess generation in period / Deficit |

| | | | |
|-------------------------|--------------|--|---|
| | | | generation if VOLL |
| LOWER5MINDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min MW dispatch |
| LOWER5MINIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min MW imported |
| LOWER5MINLOCALDISPATCH | NUMBER(15,5) | | Lower 5 min local dispatch |
| LOWER5MINLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 5 min |
| LOWER5MINLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min local requirement |
| LOWER5MINPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 5 min |
| LOWER5MINREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min total requirement |
| LOWER5MINSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 5 min |
| LOWER60SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec MW dispatch |
| LOWER60SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec MW imported |
| LOWER60SECLOCALDISPATCH | NUMBER(15,5) | | Lower 60 sec local dispatch |
| LOWER60SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 60 sec |
| LOWER60SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec local requirement |
| LOWER60SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 60 sec |
| LOWER60SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec total requirement |
| LOWER60SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 60 sec |
| LOWER6SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec MW dispatch |
| LOWER6SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec MW imported |

| | | | |
|-------------------------|--------------|--|--|
| LOWER6SECLocalDISPATCH | NUMBER(15,5) | | Lower 6 sec local dispatch |
| LOWER6SECLocalPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 6 sec |
| LOWER6SECLocalREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec local requirement |
| LOWER6SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 6 sec |
| LOWER6SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec total requirement |
| LOWER6SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 6 sec |
| RAISE5MINDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min MW dispatch |
| RAISE5MINIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min MW imported |
| RAISE5MINLOCALDISPATCH | NUMBER(15,5) | | Raise 5 min local dispatch |
| RAISE5MINLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of raise 5 min |
| RAISE5MINLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min local requirement |
| RAISE5MINPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 5 min |
| RAISE5MINREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min total requirement |
| RAISE5MINSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 5 min |
| RAISE60SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec MW dispatch |
| RAISE60SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec MW imported |
| RAISE60SECLocalDISPATCH | NUMBER(15,5) | | Raise 60 sec local dispatch |
| RAISE60SECLocalPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of raise 60 sec |

| | | | |
|------------------------|--------------|---|---|
| RAISE60SECLocalREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec local requirement |
| RAISE60SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 60 sec |
| RAISE60SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec total requirement |
| RAISE60SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 60 sec |
| RAISE6SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec MW dispatch |
| RAISE6SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec MW imported |
| RAISE6SECLocalDISPATCH | NUMBER(15,5) | | Raise 6 sec local dispatch |
| RAISE6SECLocalPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of raise 6 sec |
| RAISE6SECLocalREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec local requirement |
| RAISE6SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 6 sec |
| RAISE6SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec total requirement |
| RAISE6SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 6 sec |
| LASTCHANGED | DATE | | Period date and time |
| DATETIME | DATE | X | Period expressed as Date/Time |
| INITIALSUPPLY | NUMBER(15,5) | | Sum of initial generation and import for region |
| CLEAREDSUPPLY | NUMBER(15,5) | | Sum of cleared generation and import for region |
| LOWERREGIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation MW imported |
| LOWERREGLocalDISPATCH | NUMBER(15,5) | | Lower Regulation local dispatch |
| LOWERREGLocalREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation local requirement |

| | | | |
|--------------------------|--------------|--|---|
| LOWERREGREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation total requirement |
| RAISEREGIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation MW imported |
| RAISEREGLOCALDISPATCH | NUMBER(15,5) | | Raise Regulation local dispatch |
| RAISEREGLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation local requirement |
| RAISEREGREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation total requirement |
| RAISE5MINLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement |
| RAISEREGLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise Reg local requirement |
| RAISE60SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement |
| RAISE6SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement |
| LOWER5MINLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement |
| LOWERREGLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower Reg local requirement |
| LOWER60SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement |
| LOWER6SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement |
| RAISE5MINVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 5 min requirement |
| RAISEREGVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise Reg requirement |
| RAISE60SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement |
| RAISE6SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement |
| LOWER5MINVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 5 min requirement |

| | | | |
|------------------------------|--------------|--|--|
| LOWERREGVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower Reg requirement |
| LOWER60SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement |
| LOWER6SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement |
| RAISE6SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 6sec availability |
| RAISE60SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 60sec availability |
| RAISE5MINACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise 5min availability |
| RAISEREGACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted raise reg availability |
| LOWER6SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 6sec availability |
| LOWER60SECACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 60sec availability |
| LOWER5MINACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower 5min availability |
| LOWERREGACTUALAVAILABILITY | NUMBER(16,6) | | trapezium adjusted lower reg availability |
| DECAVAILABILITY | NUMBER(16,6) | | generation availability taking into account daily energy constraints |
| LORSURPLUS | NUMBER(16,6) | | Not used after Feb 2006. Total short term generation capacity reserve used in assessing lack of reserve condition |
| LRCSURPLUS | NUMBER(16,6) | | Not used after Feb 2006. Total short term generation capacity reserve above the stated low reserve condition requirement |
| TOTALINTERMITTENTGENERATION | NUMBER(15,5) | | Allowance made for non-scheduled generation in the demand forecast (MW). |
| DEMAND_AND_NONSCHEDGEN | NUMBER(15,5) | | Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW). |
| UIGF | NUMBER(15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi- |

| | | | |
|----------------------------|---------------|--|---|
| | | | scheduled generation (MW). |
| SEMISCHEDULE_CLEARED MW | NUMBER(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW |
| SEMISCHEDULE_COMPLIANCE MW | NUMBER(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced |
| SS_SOLAR_UIGF | Number(15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is solar |
| SS_WIND_UIGF | Number (15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW) where the primary fuel source is wind |
| SS_SOLAR_CLEAREDMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is solar |
| SS_WIND_CLEAREDMW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where the primary fuel source is wind |
| SS_SOLAR_COMPLIANCE MW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is solar |
| SS_WIND_COMPLIANCE MW | Number(15,5) | | Regional aggregated Semi-Schedule generator Cleared MW where Semi-Dispatch cap is enforced and the primary fuel source is wind |
| WDR_INITIAL MW | NUMBER(15,5) | | Regional aggregated MW value at start of interval for Wholesale Demand Response (WDR) units |
| WDR_AVAILABLE | NUMBER(15,5) | | Regional aggregated available MW for Wholesale Demand Response (WDR) units |
| WDR_DISPATCHED | NUMBER(15,5) | | Regional aggregated dispatched MW for Wholesale Demand Response (WDR) units |
| SS_SOLAR_AVAILABILITY | NUMBER(15,5) | | For Semi-Scheduled units. Aggregate Energy Availability from Solar units in that region |
| SS_WIND_AVAILABILITY | NUMBER(15,5) | | For Semi-Scheduled units. Aggregate Energy Availability from Wind units in that |

| | | | |
|-----------------------------|--------------|--|--|
| | | | region |
| RAISE1SECLOCALDISPATCH | NUMBER(15,5) | | Total Raise1Sec Dispatched in Region - RegionSolution element R1Dispatch attribute |
| LOWER1SECLOCALDISPATCH | NUMBER(15,5) | | Total Lower1Sec Dispatched in Region - RegionSolution element L1Dispatch attribute |
| RAISE1SECACTUALAVAILABILITY | NUMBER(16,6) | | Trapezium adjusted Raise1Sec availability (summed from UnitSolution) |
| LOWER1SECACTUALAVAILABILITY | NUMBER(16,6) | | Trapezium adjusted Lower1Sec availability (summed from UnitSolution) |

23.16 Table: PREDISPATCHSCENARIODEMAND

23.16.1 PREDISPATCHSCENARIODEMAND

| | |
|---------|---|
| Name | PREDISPATCHSCENARIODEMAND |
| Comment | PREDISPATCHSCENARIODEMAND defines the demand offsets that are applied for each of the predispach sensitivity scenarios. |

23.16.2 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| REGIONID |
| SCENARIO |
| VERSIONNO |

23.16.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-------------|-----------|---|
| EFFECTIVEDATE | DATE | X | The effective date of this set of scenarios |
| VERSIONNO | NUMBER(3) | X | The version of this set of scenarios |
| SCENARIO | NUMBER(2) | X | The scenario identifier. |
| REGIONID | VARCHAR(20) | X | The region to which to apply the deltaMW for this SCENARIO. |
| DELTAMW | NUMBER(4) | | The MW offset that is applied for this scenario |

23.17 Table: PREDISPATCHSCENARIODEMANDTRK

23.17.1 PREDISPATCHSCENARIODEMANDTRK

Name PREDISPATCHSCENARIODEMANDTRK

Comment Tracks the predispatch scenario offset updates across time

23.17.2 Primary Key Columns

Name

EFFECTIVEDATE

VERSIONNO

23.17.3 Index Columns

Name

LASTCHANGED

23.17.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|-------------|-----------|--|
| EFFECTIVEDATE | DATE | X | The effective date of this set of scenarios |
| VERSIONNO | NUMBER(3) | X | The version of this set of scenarios |
| AUTHORISED BY | VARCHAR(15) | | The user that authorised the scenario update |
| AUTHORISED DATE | DATE | | The datetime that the scenario update was authorised |
| LASTCHANGED | DATE | | The datetime that the record was last changed |

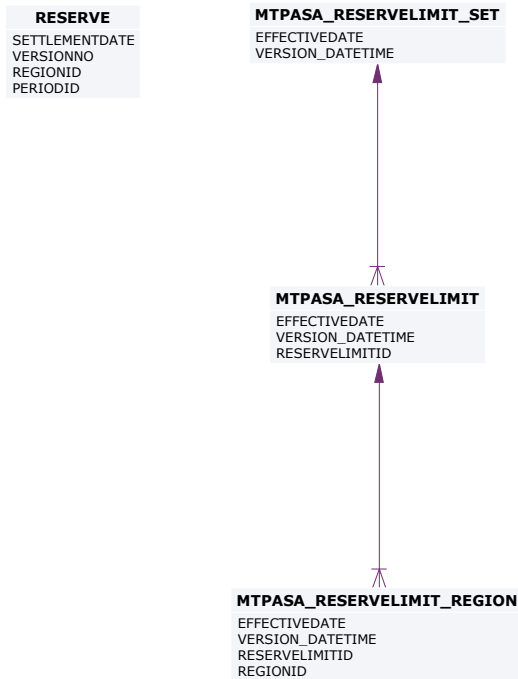
24 Package: RESERVE_DATA

| | |
|----------------|--------------------------------------|
| <i>Name</i> | RESERVE_DATA |
| <i>Comment</i> | Energy and FCAS reserve requirements |

24.1 List of tables

| Name | Comment |
|----------------------------|---|
| MTPASA_RESERVELIMIT | MT PASA input table defining a MT PASA Reserve Requirement within a single set. An MT PASA Reserve Requirement can span more than one region. |
| MTPASA_RESERVELIMIT_REGION | MT PASA input table to define the regions that are part of a single MT PASA Reserve Requirement |
| MTPASA_RESERVELIMIT_SET | MT PASA input table defining a set of MT PASA Reserve Requirements. Note only one set can be active on a given date. |
| RESERVE | RESERVE sets out specific reserve requirements for dispatch, predispach and STPASA, for each half-hour interval by region. Updates show as new versions for a date. |

24.2 Diagram: Entities: Reserve Data



24.3 Table: MTPASA_RESERVELIMIT

24.3.1 MTPASA_RESERVELIMIT

Name MTPASA_RESERVELIMIT

Comment MT PASA input table defining a MT PASA Reserve Requirement within a single set. An MT PASA Reserve Requirement can span more than one region.

24.3.2 Description

Source

MTPASA_RESERVELIMIT is updated on an ad hoc basis when a new Reserve Requirement is published.

Volume

~20 rows per year

24.3.3 Primary Key Columns

Name

EFFECTIVEDATE

RESERVELIMITID

VERSION_DATETIME

24.3.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------|---------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Trade date when the set of reserve requirements become effective |
| VERSION_DATETIME | DATE | X | Timestamp when the set of reserve requirements become effective |
| RESERVELIMITID | VARCHAR2(20) | X | MT PASA Reserve Requirement identifier |
| DESCRIPTION | VARCHAR2(200) | | Description of this Reserve Requirement |
| RHS | NUMBER(16,6) | | Right hand side value for this Reserve requirement |
| LASTCHANGED | DATE | | Timestamp the record was last modified. |

24.4 Table: MTPASA_RESERVELIMIT_REGION

24.4.1 MTPASA_RESERVELIMIT_REGION

| | |
|---------|---|
| Name | MTPASA_RESERVELIMIT_REGION |
| Comment | MT PASA input table to define the regions that are part of a single MT PASA Reserve Requirement |

24.4.2 Description

Source

MTPASA_RESERVELIMIT_REGION is updated on an ad hoc basis when a new Reserve Requirement is published.

Volume

~50 rows per year

24.4.3 Primary Key Columns

Name
EFFECTIVEDATE
REGIONID
RESERVELIMITID
VERSION_DATETIME

24.4.4 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| EFFECTIVEDATE | DATE | X | Trade date when the set of reserve requirements become effective |
| VERSION_DATETIME | DATE | X | Timestamp when the set of reserve requirements become effective |
| RESERVELIMITID | VARCHAR2(20) | X | MT PASA Reserve requirement identifier |
| REGIONID | VARCHAR2(20) | X | Region ID - identifier of a NEM region included in this requirement |
| COEF | NUMBER(16,6) | | Coefficient for the region in this reserve |

| | | | |
|-------------|------|--|--|
| | | | requirement |
| LASTCHANGED | DATE | | Timestamp the record was last modified |

24.5 Table: MTPASA_RESERVELIMIT_SET

24.5.1 MTPASA_RESERVELIMIT_SET

| | |
|---------|--|
| Name | MTPASA_RESERVELIMIT_SET |
| Comment | MT PASA input table defining a set of MT PASA Reserve Requirements. Note only one set can be active on a given date. |

24.5.2 Description

Source

MTPASA_RESERVELIMIT_SET is updated on an ad hoc basis when a new Reserve Requirement is published.

Volume

~2 rows per year

24.5.3 Primary Key Columns

| |
|------------------|
| Name |
| EFFECTIVEDATE |
| VERSION_DATETIME |

24.5.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|---------------|-----------|--|
| EFFECTIVEDATE | DATE | X | Trade date when the set of reserve requirements become effective |
| VERSION_DATETIME | DATE | X | Timestamp when the set of reserve requirements become effective |
| RESERVELIMIT_SET_ID | VARCHAR2(20) | | MT PASA LRC Reserve Requirement Set Identifier |
| DESCRIPTION | VARCHAR2(200) | | Description of this set of Reserve Requirements |
| AUTHORISEDDATE | DATE | | Date the requirement set was authorised |
| AUTHORISEDBY | VARCHAR2(20) | | User authorising this requirement set |

| | | | |
|-------------|------|--|--|
| LASTCHANGED | DATE | | Timestamp the record was last modified |
|-------------|------|--|--|

24.6 Table: RESERVE

24.6.1 RESERVE

| | |
|---------|--|
| Name | RESERVE |
| Comment | RESERVE sets out specific reserve requirements for dispatch, predispatch and STPASA, for each half-hour interval by region. Updates show as new versions for a date. |

24.6.2 Description

Two fields specify Frequency Controlled Ancillary Services requirements for the regulation ancillary services. Another two fields specify the Lack of Reserve levels to be applied in the ST PASA solver.

Change Notice 324 (for the FCAS Constraint enhancements project) means that Dispatch no longer utilises the static FCAS requirements defined in the DELTAMW and RESERVE tables. These tables are replaced with constraint data as a source of FCAS requirements.

RESERVE data is public, so is available to all participants.

Source

RESERVE updates as AEMO updates forecasts, daily.

24.6.3 Primary Key Columns

Name
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

24.6.4 Index Columns

Name
 LASTCHANGED

24.6.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:00am |
| VERSIONNO | NUMBER(3,0) | X | Version No of record for this date, the version of the file loaded to produce these reserve figures |
| REGIONID | VARCHAR2(12) | X | Differentiates this region from all other regions |
| PERIODID | NUMBER(2,0) | X | Market Trading Interval |
| LOWER5MIN | NUMBER(6,0) | | Lower 5 minute reserve requirement |
| LOWER60SEC | NUMBER(6,0) | | Lower 60 second reserve requirement |
| LOWER6SEC | NUMBER(6,0) | | Lower 6 second reserve requirement |
| RAISE5MIN | NUMBER(6,0) | | Raise 5 minute reserve requirement |
| RAISE60SEC | NUMBER(6,0) | | Raise 60 second reserve requirement |
| RAISE6SEC | NUMBER(6,0) | | Raise 6 second reserve requirement |
| LASTCHANGED | DATE | | Last date and time record changed |
| PASARESERVE | NUMBER(6,0) | | PASA reserve requirement |
| LOADREJECTIONRESERVE EQ | NUMBER(10,0) | | PASA Load rejection reserve requirement |
| RAISEREG | NUMBER(6,0) | | Raise Regulation reserve requirement |
| LOWERREG | NUMBER(6,0) | | Lower Regulation reserve requirement |
| LOR1LEVEL | NUMBER(6,0) | | PASA Lack of Reserve 1 Level |
| LOR2LEVEL | NUMBER(6,0) | | PASA Lack of Reserve 1 Level |

25 Package: SETTLEMENT_CONFIG

Name SETTLEMENT_CONFIG

Comment Configuration and input data for the Settlements Process

25.1 List of tables

| Name | Comment |
|---------------------------|--|
| ANCILLARY_RECOVERY_SPLIT | ANCILLARY_RECOVERY_SPLIT holds the actual customer portion for each service and payment type. A single EFFECTIVEDATE/VERSIONNO combination applies to all services (i.e. the latest EFFECTIVEDATE/VERSIONNO is not retrieved for a single service, but applies to a data set). |
| MARKET_FEE_CAT_EXCL | Market fee exclusions for participant categories. |
| MARKET_FEE_CAT_EXCL_TRK | Tracking table for market fee exclusions for participant categories. |
| MARKET_FEE_EXCLUSION | MARKET_FEE_EXCLUSION shows the list of market fees from which a participant is excluded from funding after a particular settlement date. |
| MARKET_FEE_EXCLUSIONTRK | MARKET_FEE_EXCLUSIONTRK shows authorisation details of participant market fee exclusion data sets. |
| MARKETFEE | MARKETFEE sets out fee type and period for each market fee. |
| MARKETFEEDATA | MARKETFEEDATA sets out actual fee rates, as adjusted from time to time. |
| MARKETFEETRK | MARKETFEETRK sets out versions of each market fee used and its effective date. |
| PARTICIPANT_BANDFEE_ALLOC | PARTICIPANT_BANDFEE_ALLOC shows the market fee for each Participant/Participant Category over time. |
| REALLOCATION | The REALLOCATION table shows the financial transactions agreed between two participants that are settled through the AEMO pool settlements process. |
| REALLOCATIONINTERVAL | 30-minute or (5-minute for 5MS) data comprising a single reallocation transaction. |
| SETCFG_PARTICIPANT_MPF | SETCFG_PARTICIPANT_MPF shows the Market Participation Factors (MPF) for each participant for each connection point. The MPF values are used to determine recovery amounts for regulation |

| | |
|---------------------------|--|
| | FCAS. |
| SETCFG_PARTICIPANT_MPFTRK | SETCFG_PARTICIPANT_MPFTRK is the tracking table for Market Participation Factors (MPF) data stored in the SETCFG_PARTICIPANT_MPF table for each participant. |
| SETCFG_SAPS_SETT_PRICE | The Settlement Price for SAPS Energy in each Region |
| SETCFG_WDR_REIMBURSE_RATE | Settlements WDR transactions |
| SETCFG_WDRRR_CALENDAR | Wholesale Demand Response Reimbursement Rate Calendar |

25.2 Diagram: Entities: Settlement Config

MARKET_FEE_CAT_EXCL_TRK
 MARKETFEEID
 EFFECTIVEDATE
 VERSION_DATETIME



MARKET_FEE_CAT_EXCL
 MARKETFEEID
 EFFECTIVEDATE
 VERSION_DATETIME
 PARTICIPANT_CATEGORYID

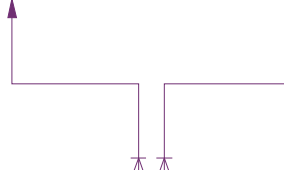
MARKET_FEE_EXCLUSIONTRK
 PARTICIPANTID
 EFFECTIVEDATE
 VERSIONNO



MARKET_FEE_EXCLUSION
 PARTICIPANTID
 EFFECTIVEDATE
 VERSIONNO
 MARKETFEEID

MARKETFEETRK
 MARKETFEEVERSIONNO
 EFFECTIVEDATE

MARKETFEE
 MARKETFEEID



MARKETFEEDATA
 MARKETFEEID
 MARKETFEEVERSIONNO
 EFFECTIVEDATE

SETCFG_PARTICIPANT_MPFTRK
 PARTICIPANTID
 EFFECTIVEDATE
 VERSIONNO



SETCFG_PARTICIPANT_MPF
 PARTICIPANTID
 EFFECTIVEDATE
 VERSIONNO
 PARTICIPANTCATEGORYID
 CONNECTIONPOINTID

REALLOCATION
 REALLOCATIONID



REALLOCATIONINTERVAL
 REALLOCATIONID
 PERIODID

ANCILLARY_RECOVERY_SPLIT
 EFFECTIVEDATE
 VERSIONNO
 SERVICE
 PAYMENTTYPE

PARTICIPANT_BANDFEE_ALLOC
 PARTICIPANTID
 MARKETFEEID
 EFFECTIVEDATE
 VERSIONNO
 PARTICIPANTCATEGORYID

SETCFG_WDR_REIMBURSE_RATE
 WDRRRPERIOD
 REGIONID
 VERSION_DATETIME

SETCFG_WDRRR_CALENDAR
 WDRRRPERIOD
 REGIONID
 VERSION_DATETIME

SETCFG_SAPS_SETT_PRICE
FROMDATE
TODATE
REGIONID
VERSION_DATETIME

25.3 Table: ANCILLARY_RECOVERY_SPLIT

25.3.1 ANCILLARY_RECOVERY_SPLIT

| | |
|---------|--|
| Name | ANCILLARY_RECOVERY_SPLIT |
| Comment | ANCILLARY_RECOVERY_SPLIT holds the actual customer portion for each service and payment type. A single EFFECTIVEDATE/VERSIONNO combination applies to all services (i.e. the latest EFFECTIVEDATE/VERSIONNO is not retrieved for a single service, but applies to a data set). |

25.3.2 Description

ANCILLARY_RECOVERY_SPLIT is public data, and is available to all participants.

Source

This table is updated infrequently.

25.3.3 Primary Key Columns

Name
EFFECTIVEDATE
PAYMENTTYPE
SERVICE
VERSIONNO

25.3.4 Index Columns

Name
LASTCHANGED

25.3.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-----------|-----------|--|
| EFFECTIVEDATE | DATE | X | Calendar settlement date record becomes effective. |

| | | | |
|------------------|--------------|---|---|
| VERSIONNO | NUMBER(3,0) | X | Version number of the record for the given date. |
| SERVICE | VARCHAR2(10) | X | Ancillary service name (e.g. AGC, FCASCOMP) |
| PAYMENTTYPE | VARCHAR2(20) | X | A payment type associated with the service (can be ENABLING, AVAILABILITY, USAGE, or COMPENSATION). |
| CUSTOMER_PORTION | NUMBER(8,5) | | The percentage value of the recovery funded by market customers. |
| LASTCHANGED | DATE | | Last date and time record changed |

25.4 Table: MARKET_FEE_CAT_EXCL

25.4.1 MARKET_FEE_CAT_EXCL

| | |
|---------|---|
| Name | MARKET_FEE_CAT_EXCL |
| Comment | Market fee exclusions for participant categories. |

25.4.2 Primary Key Columns

| |
|------------------------|
| Name |
| EFFECTIVEDATE |
| MARKETFEEID |
| PARTICIPANT_CATEGORYID |
| VERSION_DATETIME |

25.4.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|--|
| MARKETFEEID | VARCHAR2(20) | X | The excluded market fee |
| EFFECTIVEDATE | DATE | X | The date the exclusion is effective from |
| VERSION_DATETIME | DATE | X | The version information for this record |
| PARTICIPANT_CATEGORYID | VARCHAR2(20) | X | Participant category to be excluded from this market fee |

25.5 Table: MARKET_FEE_CAT_EXCL_TRK

25.5.1 MARKET_FEE_CAT_EXCL_TRK

Name MARKET_FEE_CAT_EXCL_TRK

Comment Tracking table for market fee exclusions for participant categories.

25.5.2 Primary Key Columns

Name

EFFECTIVEDATE

MARKETFEEID

VERSION_DATETIME

25.5.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| MARKETFEEID | VARCHAR2(20) | X | The excluded market fee |
| EFFECTIVEDATE | DATE | X | The date the exclusion is effective from |
| VERSION_DATETIME | DATE | X | The version information for this record |
| LASTCHANGED | DATE | | Last date and time the record changed |

25.6 Table: MARKET_FEE_EXCLUSION

25.6.1 MARKET_FEE_EXCLUSION

| | |
|---------|--|
| Name | MARKET_FEE_EXCLUSION |
| Comment | MARKET_FEE_EXCLUSION shows the list of market fees from which a participant is excluded from funding after a particular settlement date. |

25.6.2 Description

MARKET_FEE_EXCLUSION data is confidential to the relevant participant.

Source

MARKET_FEE_EXCLUSION updates only on change of participant configuration.

25.6.3 Primary Key Columns

Name
EFFECTIVEDATE
MARKETFEEID
PARTICIPANTID
VERSIONNO

25.6.4 Index Columns

Name
LASTCHANGED

25.6.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---------------------------------|
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| EFFECTIVEDATE | DATE | X | Date on which this data becomes |

| | | | |
|-------------|--------------|---|-----------------------------------|
| | | | effective |
| VERSIONNO | NUMBER(3,0) | X | Version of fees for this ID |
| MARKETFEEID | VARCHAR2(10) | X | Identifier for Market Fee |
| LASTCHANGED | DATE | | Last date and time record changed |

25.7 Table: MARKET_FEE_EXCLUSIONTRK

25.7.1 MARKET_FEE_EXCLUSIONTRK

| | |
|---------|--|
| Name | MARKET_FEE_EXCLUSIONTRK |
| Comment | MARKET_FEE_EXCLUSIONTRK shows authorisation details of participant market fee exclusion data sets. |

25.7.2 Description

MARKET_FEE_EXCLUSIONTRK is confidential to the participant.

Source

MARKET_FEE_EXCLUSIONTRK updates only on change of participant configuration.

25.7.3 Primary Key Columns

| |
|---------------|
| Name |
| EFFECTIVEDATE |
| PARTICIPANTID |
| VERSIONNO |

25.7.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

25.7.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| EFFECTIVEDATE | DATE | X | Date on which this data becomes effective |
| VERSIONNO | NUMBER(3,0) | X | Version of fees for this ID |

| | | | |
|-----------------|--------------|--|-----------------------------------|
| AUTHORISED BY | VARCHAR2(15) | | User authorising record |
| AUTHORISED DATE | DATE | | Date record authorised |
| LAST CHANGED | DATE | | Last date and time record changed |

25.8 Table: MARKETFEE

25.8.1 MARKETFEE

Name MARKETFEE

Comment MARKETFEE sets out fee type and period for each market fee.

25.8.2 Description

MARKETFEE data is public, so is available to all participants.

Source

MARKETFEE updates when fees change.

25.8.3 Primary Key Columns

Name

MARKETFEEID

25.8.4 Index Columns

Name

LASTCHANGED

25.8.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|-------------------------------------|
| MARKETFEEID | VARCHAR2(10) | X | Identifier for Market Fee |
| MARKETFEEPERIOD | VARCHAR2(20) | | Period type - PERIOD, DAILY, WEEKLY |
| MARKETFEETYPE | VARCHAR2(12) | | Type - MW or \$ |
| DESCRIPTION | VARCHAR2(64) | | Description of market fee |
| LASTCHANGED | DATE | | Last date and time record changed |
| GL_TCODE | VARCHAR2(15) | | |

| | | | |
|------------------|--------------|--|--|
| GL_FINANCIALCODE | VARCHAR2(10) | | |
| FEE_CLASS | VARCHAR2(40) | | |

25.9 Table: MARKETFEEDATA

25.9.1 MARKETFEEDATA

Name MARKETFEEDATA

Comment MARKETFEEDATA sets out actual fee rates, as adjusted from time to time.

25.9.2 Description

MARKETFEEDATA is public data, and is available to all participants.

Source

MARKETFEEDATA updates whenever fee rates change.

25.9.3 Primary Key Columns

Name

EFFECTIVEDATE

MARKETFEEID

MARKETFEEVERSIONNO

25.9.4 Index Columns

Name

LASTCHANGED

25.9.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|---|
| MARKETFEEID | VARCHAR2(10) | X | Identifier for Market Fee |
| MARKETFEEVERSIONNO | NUMBER(3,0) | X | Version of fees for this id |
| EFFECTIVEDATE | DATE | X | Date on which this data becomes effective |

| | | | |
|----------------|--------------|--|--------------------------------------|
| MARKETFEEVALUE | NUMBER(22,8) | | Market fee rate/MWh, a dollar amount |
| LASTCHANGED | DATE | | Last date and time record changed |

25.10 Table: MARKETFEETRK

25.10.1 MARKETFEETRK

| | |
|---------|--|
| Name | MARKETFEETRK |
| Comment | MARKETFEETRK sets out versions of each market fee used and its effective date. |

25.10.2 Description

MARKETFEETRK data is public, so is available to all participants.

Source

MARKETFEETRK updated infrequently, when new annual rates must be inserted.

Volume

One record inserted per year.

25.10.3 Primary Key Columns

Name
EFFECTIVEDATE
MARKETFEEVERSIONNO

25.10.4 Index Columns

Name
LASTCHANGED

25.10.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------------|--------------|-----------|---------------------------------|
| MARKETFEEVERSIONNO | NUMBER(3,0) | X | Version of fees for this ID |
| EFFECTIVEDATE | DATE | X | Effective Date of Market notice |
| AUTHORISED BY | VARCHAR2(15) | | User authorising record |

| | | | |
|----------------|------|--|-----------------------------------|
| AUTHORISEDDATE | DATE | | Date record authorised |
| LASTCHANGED | DATE | | Last date and time record changed |

25.11 Table: PARTICIPANT_BANDFEE_ALLOC

25.11.1 PARTICIPANT_BANDFEE_ALLOC

| | |
|---------|---|
| Name | PARTICIPANT_BANDFEE_ALLOC |
| Comment | PARTICIPANT_BANDFEE_ALLOC shows the market fee for each Participant/Participant Category over time. |

25.11.2 Description

Source

This view updates only on change of participant configuration.

25.11.3 Primary Key Columns

Name

EFFECTIVEDATE

MARKETFEEID

PARTICIPANTCATEGORYID

PARTICIPANTID

VERSIONNO

25.11.4 Index Columns

Name

LASTCHANGED

25.11.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---------------------------------|
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| MARKETFEEID | VARCHAR2(10) | X | Identifier for Market Fee |
| EFFECTIVEDATE | DATE | X | Date on which this data becomes |

| | | | |
|-----------------------|--------------|---|---|
| | | | effective. |
| VERSIONNO | NUMBER(3,0) | X | Period identifier |
| PARTICIPANTCATEGORYID | VARCHAR2(10) | X | The participant category that the market fee recovery amount pertains to. |
| MARKETFEEVALUE | NUMBER(15,5) | | The value of this market fee |
| LASTCHANGED | DATE | | Last date and time record changed |

25.12 Table: REALLOCATION

25.12.1 REALLOCATION

Name REALLOCATION

Comment The REALLOCATION table shows the financial transactions agreed between two participants that are settled through the AEMO pool settlements process.

25.12.2 Description

Note

The column REALLOCATION_TYPE can be used in conjunction with CREDITPARTICIPANT or DEBITPARTICIPANT to determine who submitted a reallocation.

25.12.3 Primary Key Columns

Name

REALLOCATIONID

25.12.4 Index Columns

Name

LASTCHANGED

25.12.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| REALLOCATIONID | VARCHAR2(20) | X | Reallocation identifier |
| CREDITPARTICIPANTID | VARCHAR2(10) | | The participant to be credited for the reallocation |
| DEBITPARTICIPANTID | VARCHAR2(10) | | The participant to be debited for the reallocation |
| REGIONID | VARCHAR2(10) | | Region identifier, being the spot price reference node for this reallocation |

| | | | |
|-------------------|---------------|--|--|
| AGREEMENTTYPE | VARCHAR2(10) | | \$(Quantity) Mwh, SWAP, CAP or FLOOR |
| CREDITREFERENCE | VARCHAR2(400) | | Optional reference detail for credit participant |
| DEBITREFERENCE | VARCHAR2(400) | | Optional reference detail for debit participant |
| LASTCHANGED | DATE | | Last date and time record changed |
| STARTDATE | DATE | | First day of the Reallocation contract |
| ENDDATE | DATE | | Last day of the Reallocation contract |
| CURRENT_STEPID | VARCHAR2(20) | | Reallocation state. One of SUBMITTED, AUTHORISED, CANCELLED. |
| DAYTYPE | VARCHAR2(20) | | The day type profile for which the reallocation applies over the start and end date range. Valid entries are BUSINESS, NON_BUSINESS or FLAT. |
| REALLOCATION_TYPE | VARCHAR2(1) | | Denotes a Credit or Debit reallocation with a value of "C" or "D" respectively |
| CALENDARID | VARCHAR2(30) | | Unique ID of the calendar for which data is requested |
| INTERVALLENGTH | NUMBER(3,0) | | The length of settlement intervals (in minutes) in the reallocation profile |

25.13 Table: REALLOCATIONINTERVAL

25.13.1 REALLOCATIONINTERVAL

Name REALLOCATIONINTERVAL

Comment 30-minute or (5-minute for 5MS) data comprising a single reallocation transaction.

25.13.2 Primary Key Columns

Name

PERIODID

REALLOCATIONID

25.13.3 Index Columns

Name

LASTCHANGED

25.13.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| REALLOCATIONID | VARCHAR2(20) | X | Reallocation identifier |
| PERIODID | NUMBER(3) | X | Trading Interval |
| VALUE | NUMBER(15,5) | | Reallocation value in the units of the agreement type |
| LASTCHANGED | DATE | | Last date and time record changed |
| NRP | NUMBER(15,5) | | Nominated Reallocation Price, only used in agreement types of SWAP, CAP and FLOOR, being the contract strike price in \$/MWh |

25.14 Table: SETCFG_PARTICIPANT_MPF

25.14.1 SETCFG_PARTICIPANT_MPF

| | |
|---------|--|
| Name | SETCFG_PARTICIPANT_MPF |
| Comment | SETCFG_PARTICIPANT_MPF shows the Market Participation Factors (MPF) for each participant for each connection point. The MPF values are used to determine recovery amounts for regulation FCAS. |

25.14.2 Description

SETCFG_PARTICIPANT_MPF data is available to all participants.

Volume

Approximately 20,000 records per year

25.14.3 Primary Key Columns

Name

CONNECTIONPOINTID

EFFECTIVEDATE

PARTICIPANTCATEGORYID

PARTICIPANTID

VERSIONNO

25.14.4 Index Columns

Name

LASTCHANGED

25.14.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|------------------------|
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |

| | | | |
|-----------------------|--------------|---|-----------------------------------|
| EFFECTIVEDATE | DATE | X | Effective date of the MPF data |
| VERSIONNO | NUMBER(3,0) | X | Version number of the MPF data |
| PARTICIPANTCATEGORYID | VARCHAR2(10) | X | Participant Category |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Connection point identifier |
| MPF | NUMBER(15,5) | | Market Participation Factor |
| LASTCHANGED | DATE | | Last date and time record changed |

25.15 Table: SETCFG_PARTICIPANT_MPFTRK

25.15.1 SETCFG_PARTICIPANT_MPFTRK

| | |
|---------|--|
| Name | SETCFG_PARTICIPANT_MPFTRK |
| Comment | SETCFG_PARTICIPANT_MPFTRK is the tracking table for Market Participation Factors (MPF) data stored in the SETCFG_PARTICIPANT_MPF table for each participant. |

25.15.2 Description

SETCFG_PARTICIPANT_MPFTRK data is public, so is available to all participants.

Volume

Approximately 2,000 records per year

25.15.3 Primary Key Columns

Name
EFFECTIVEDATE
PARTICIPANTID
VERSIONNO

25.15.4 Index Columns

Name
LASTCHANGED

25.15.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--------------------------------|
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| EFFECTIVEDATE | DATE | X | Effective date of the MPF data |
| VERSIONNO | NUMBER(3,0) | X | Version number of the MPF data |

| | | | |
|-----------------|--------------|--|-----------------------------------|
| AUTHORISED BY | VARCHAR2(15) | | Authorising user |
| AUTHORISED DATE | DATE | | Authorised date and time |
| LAST CHANGED | DATE | | Last date and time record changed |

25.16 Table: SETCFG_SAPS_SETT_PRICE

25.16.1 SETCFG_SAPS_SETT_PRICE

| | |
|---------|---|
| Name | SETCFG_SAPS_SETT_PRICE |
| Comment | The Settlement Price for SAPS Energy in each Region |

25.16.2 Primary Key Columns

| |
|------------------|
| Name |
| FROMDATE |
| REGIONID |
| TODATE |
| VERSION_DATETIME |

25.16.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| FROMDATE | DATE | X | The From Date of the SAPS Pricing Application Period |
| TODATE | DATE | X | The To Date of the SAPS Pricing Application Period |
| REGIONID | VARCHAR2(20) | X | The Region ID for which the calculated SAPS Price is applicable |
| VERSION_DATETIME | DATE | X | The Date time of the record generation |
| SAPS_RRP | NUMBER(18,8) | | The Region Reference Price for SAPS in the Region |
| ISFIRM | NUMBER(3,0) | | Whether the SAPS Price is Firm or Non-Firm |
| LASTCHANGED | DATE | | The Last Changed Date time of the record |

25.17 Table: SETCFG_WDR_REIMBURSE_RATE

25.17.1 SETCFG_WDR_REIMBURSE_RATE

| | |
|---------|------------------------------|
| Name | SETCFG_WDR_REIMBURSE_RATE |
| Comment | Settlements WDR transactions |

25.17.2 Primary Key Columns

| |
|------------------|
| Name |
| REGIONID |
| VERSION_DATETIME |
| WDRRRPERIOD |

25.17.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| WDRRRPERIOD | VARCHAR2(20) | X | Unique identifier for the period to which the WDRRR applies. For quarter-based periods, this will be equal to YYYY[Q]NN, e.g. 2020Q3 for 2020 Quarter 3. |
| REGIONID | VARCHAR2(20) | X | Unique identifier for the region |
| VERSION_DATETIME | TIMESTAMP(3) | X | The Version Date time of the latest changes. |
| WDRRR | NUMBER(18,8) | | WDRRR value for the period and region (\$/MWh) |
| ISFIRM | NUMBER(3,0) | | A flag to indicate that the WDRRR value is FIRM for the period and region, i.e. it is based on a complete set of firm prices from dispatch. Possible Values are 1 and 0 |
| LASTCHANGED | TIMESTAMP(3) | | Last changed date for the record |

25.18 Table: SETCFG_WDRRR_CALENDAR

25.18.1 SETCFG_WDRRR_CALENDAR

Name SETCFG_WDRRR_CALENDAR
 Comment Wholesale Demand Response Reimbursement Rate Calendar

25.18.2 Primary Key Columns

Name
 REGIONID
 VERSION_DATETIME
 WDRRRPERIOD

25.18.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| WDRRRPERIOD | VARCHAR2(20) | X | Unique identifier for the period to which the WDRRR applies. For quarter-based periods, this will be equal to YYYY[Q]NN, for example,2020Q3 for 2020 Quarter 3. |
| REGIONID | VARCHAR2(20) | X | Unique Identifier for the region id |
| VERSION_DATETIME | TIMESTAMP(3) | X | The Version Date time of the latest changes. |
| STARTDATE | DATE | | Start Date of Period (Inclusive). |
| ENDDATE | DATE | | End Date of Period (Inclusive). |
| LASTCHANGED | TIMESTAMP(3) | | Last changed date for the record. |

26 Package: SETTLEMENT_DATA

Name SETTLEMENT_DATA

Comment Results from a published Settlements Run. The settlement data and billing run data are updated daily between 6am and 8am for AEMO's prudential processes. In a normal week, AEMO publishes one PRELIM, one FINAL and two REVISION runs in addition to the daily runs.

26.1 List of tables

| Name | Comment |
|-------------------------|--|
| DAYTRACK | DAYTRACK identifies the actual settlement run processed for each settlement day. Settlement run is in the column EXPOSTRUNNO. Generally the number of the settlement run used in the latest statement is the maximum number. |
| SET_APC_COMPENSATION | APC Compensation payment amounts in the Settlements timeframe |
| SET_APC_RECOVERY | APC Compensation recovery amounts in the Settlements timeframe |
| SET_ANCILLARY_SUMMARY | SET_ANCILLARY_SUMMARY summarises payments for all Ancillary Services to participants on the basis of regions and trading intervals. |
| SET_ENERGY_TRAN_SAPS | The table shows the Transaction Details for the SAPS Connection Points. The table contains both the MSRPs and Retailers data |
| SET_FCAS_PAYMENT | SET_FCAS_PAYMENT sets out the enabling payment details for frequency controlled Ancillary Services. |
| SET_FCAS_RECOVERY | SET_FCAS_RECOVERY shows reimbursements for the Frequency Control Ancillary Services (FCAS) to be recovered from participants. Beware of potential confusion with the table SETFCASRECOVERY, which reports reimbursements for Frequency Control Ancillary Services Compensation (now unused). |
| SET_FCAS_REGULATION_TRK | SET_FCAS_REGULATION_TRK shows FCAS Regulation Service Constraint tracking for Regional FCAS Regulation recovery |
| SET_NMAS_RECOVERY | SET_NMAS_RECOVERY sets out the NSCAS recovery data for payments other than testing. |
| SET_NMAS_RECOVERY_RBF | SET_NMAS_RECOVERY_RBF publishes the RBF for NSCAS non testing payments on a half hourly basis. |
| SET_RECOVERY_ENERGY | Settlements substitution recovery energy used |

| | |
|------------------------|--|
| SET_RUN_PARAMETER | SET_RUN_PARAMETER shows the input parameters and value associated with each settlement run (e.g. Residual System Load Causer Pays Factor). |
| SET_SUBST_RUN_VERSION | Settlements substitution demand run version numbers |
| SET_SUBSTITUTE_DEMAND | Settlements substitution demand for Zero Demand figures |
| SET_WDR_RECON_DETAIL | Settlements WDR reconciliation details |
| SET_WDR_TRANSACT | Settlements WDR transactions summary |
| SETCPDATA | SETCPDATA shows meter settlement data for each connection point. This is the key view for retailers to verify energy charges. A regional summary view is also provided. As the view has values for each connection point by period, for each meter data file, it is a very large view. |
| SETCPDATAREGION | SETCPDATAREGION sets out summary meter settlement data for each region. |
| SETFCASREGIONRECOVERY | SETFCASREGIONRECOVERY shows FCAS Regional Recovery Data against each Trading Interval. |
| SETGENDATA | SETGENDATA shows meter settlement data for each generation meter point. A regional summary is also provided. |
| SETGENDATAREGION | SETGENDATAREGION sets out summary settlement data for generation within the specified region. |
| SETINTRAREGIONRESIDUES | |
| SETIRAUCSURPLUS | This view supports the Settlements Residue Auction, by holding the NSP participant allocations of IRSurplus arising as a result of the unsold units for a quarter. |
| SETIRNSPSURPLUS | This view supports the Settlements Residue Auction, by showing the TNSP participant allocations of Interconnector Residue (IR) Surplus (i.e. derogated amounts) arising as a result of the sold units for a quarter. |
| SETIRPARTSURPLUS | This view supports the Settlements Residue Auction, holding the participant allocations of IRSurplus. |
| SETIRSURPLUS | SETIRSURPLUS records the interregional residue calculation for each interconnector and each side of the interconnector. |
| SETLOCALAREAENERGY | SETLOCALAREAENERGY shows the UFE, AGE and associated values for each local area and trading interval in a settlement run. |
| SETLOCALAREATNI | SETLOCALAREATNI shows the list of TNIs constituent to a local area in a settlement run. |

| | |
|--------------------|---|
| SETLSHEDPAYMENT | SETLSHEDPAYMENT shows specific payment details for load shed services by period. |
| SETLSHEDRECOVERY | SETLSHEDRECOVERY shows reimbursements for Load shed Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012) |
| SETMARKETFEES | SETMARKETFEES shows payments for market fees for each settlement date. |
| SETREALLOCATIONS | SETREALLOCATIONS shows the trading interval value of reallocations processed, for those participants whose reallocation submissions have been accepted by AEMO. |
| SETRESERVERECOVERY | SETRESERVERECOVERY shows reserve recovery details. |
| SETRESTARTPAYMENT | SETRESTARTPAYMENT shows specific payment details for System Restart services by period. |
| SETRESTARTRECOVERY | SETRESTARTRECOVERY shows reimbursements for system restart Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012) |
| SETRPOWERPAYMENT | SETRPOWERPAYMENT shows specific payment details for Reactive power services by period. |
| SETRPOWERRECOVERY | SETRPOWERRECOVERY shows reimbursements for Reactive Power Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012) |
| SETSMALLGENDATA | Publishes metering data and associated settlement values for with a registered Small Generator Aggregator participants connection points. |

26.2 Diagram: Entities: Settlement Data

SETREALLOCATIONS
 SETTLEMENTDATE
 RUNNO
 PERIODID
 PARTICIPANTID
 REALLOCATIONID

SET Ancillary Summary
 SETTLEMENTDATE
 VERSIONNO
 SERVICE
 PAYMENTTYPE
 REGIONID
 PERIODID

SETMARKETFEEES
 SETTLEMENTDATE
 RUNNO
 PARTICIPANTID
 PERIODID
 MARKETFEEID
 PARTICIPANTCATEGORYID

SETSHEDPAYMENT
 SETTLEMENTDATE
 VERSIONNO
 PARTICIPANTID
 CONTRACTID
 PERIODID

SETIRSURPLUS
 SETTLEMENTDATE
 SETTLEMENTRUNNO
 PERIODID
 INTERCONNECTORID
 REGIONID

SETRESERVERECOVERY
 SETTLEMENTDATE
 VERSIONNO
 PERIODID
 CONTRACTID
 PARTICIPANTID

SET_FCAS_PAYMENT
 SETTLEMENTDATE
 VERSIONNO
 DUID
 PERIODID

SET_FCAS_RECOVERY
 SETTLEMENTDATE
 VERSIONNO
 PARTICIPANTID
 REGIONID
 PERIODID

SETSHEDRECOVERY
 SETTLEMENTDATE
 VERSIONNO
 PARTICIPANTID
 PERIODID
 REGIONID

DAYTRACK
 SETTLEMENTDATE
 EXPOSTRUNNO

The daily settlement runs can be linked to the billing runs using BILLINGDAYTRK

Generally DAYTRACK should be regarded as the parent table, having one row per settlement run. The linking key is Settlement Date and versionno or runno or expostrunno

SETFCASREGIONRECOVERY
 SETTLEMENTDATE
 VERSIONNO
 BIDTYPE
 REGIONID
 PERIODID

SETRESTARTRECOVERY
 SETTLEMENTDATE
 VERSIONNO
 PARTICIPANTID
 PERIODID
 REGIONID

SETGENDATAREGION
 SETTLEMENTDATE
 VERSIONNO
 PERIODID
 REGIONID

SETCPDATAREGION
 SETTLEMENTDATE
 VERSIONNO
 PERIODID
 REGIONID

SETGENDATA
 SETTLEMENTDATE
 VERSIONNO
 PERIODID
 STATIONID
 DUID
 GENSETID
 REGIONID

SETRESTARTPAYMENT
 SETTLEMENTDATE
 VERSIONNO
 PARTICIPANTID
 CONTRACTID
 PERIODID

SETCPDATA
 SETTLEMENTDATE
 VERSIONNO
 PERIODID
 PARTICIPANTID
 TCPID
 MDA

SETSMALLGENDATA
 SETTLEMENTDATE
 VERSIONNO
 CONNECTIONPOINTID
 PERIODID
 PARTICIPANTID

SETINTI

SETTLEME
RUNNO
PERIODIC
REGIONIC

SET_FC

SETTLEMI
VERSIONI
INTERVAL
CONSTRA

SET_S

SETTLE
SETTLE
REFERI
REFERI

SET_V

SETTLE
SETTLE
NMI
PERIOD

| | |
|---|---|
| SET_APC_COMPENSATION SETTLEMENTDATE VERSIONNO APEVENTID CLAIMID PARTICIPANTID PERIODID | SET_APC_RECOVERY SETTLEMENTDATE VERSIONNO APEVENTID CLAIMID PARTICIPANTID PERIODID REGIONID |
|---|---|

| | |
|--|---|
| SET_NMAS_RECOVERY SETTLEMENTDATE VERSIONNO PERIODID PARTICIPANTID SERVICE CONTRACTID PAYMENTTYPE REGIONID | SET_NMAS_RECOVERY_RBF SETTLEMENTDATE VERSIONNO PERIODID SERVICE CONTRACTID PAYMENTTYPE REGIONID |
|--|---|

| | | | | |
|--|--|--|---|---|
| RAREGIONRESIDUES ENDDATE)) | SET_RUN_PARAMETER SETTLEMENTDATE VERSIONNO PARAMETERID | SETIRAUCSURPLUS SETTLEMENTDATE SETTLEMENTRUNNO CONTRACTID PERIODID PARTICIPANTID INTERCONNECTORID FROMREGIONID | SETIRNPSURPLUS SETTLEMENTDATE SETTLEMENTRUNNO CONTRACTID PERIODID PARTICIPANTID INTERCONNECTORID FROMREGIONID | SETIRPARTSUI SETTLEMENTDATE SETTLEMENTRUNNO CONTRACTID PERIODID PARTICIPANTID INTERCONNECTORID FROMREGIONID |
|--|--|--|---|---|

AS_REGULATION_TRK
 ENDDATE
 NO
 _DATETIME
 UNTID

| | |
|---|---|
| SETLOCALAREAENERGY SETTLEMENTDATE SETTLEMENTRUNNO LOCALAREAID PERIODID | SETLOCALAREATNI SETTLEMENTDATE SETTLEMENTRUNNO LOCALAREAID TNI |
|---|---|

| | | | |
|--|--|---|---|
| SUBST_RUN_VERSION SETTLEMENTDATE SETTLEMENTRUNNO ENCESSETTLEMENTDATE ENCESSETTLEMENTRUNNO | SET_RECOVERY_ENERGY SETTLEMENTDATE SETTLEMENTRUNNO PARTICIPANTID REGIONID PERIODID | SET_SUBSTITUTE_DEMAND SETTLEMENTDATE SETTLEMENTRUNNO TNI PARTICIPANTID | SET_WDR_TRANSAC SETTLEMENTDATE SETTLEMENTRUNNO PERIODID REGIONID PARTICIPANTID PARTICIPANTROLEID COUNTERPARTYPARTICIPAI |
|--|--|---|---|

WDR_RECON_DETAIL
 SETTLEMENTDATE
 SETTLEMENTRUNNO
)ID

RPLUS
E
NO

RID

CT

NTID

SET_ENERGY_TRAN_SAPS

SETTLEMENTDATE
VERSIONNO
PERIODID
PARTICIPANTID
TNI

26.3 Table: DAYTRACK

26.3.1 DAYTRACK

| | |
|---------|--|
| Name | DAYTRACK |
| Comment | DAYTRACK identifies the actual settlement run processed for each settlement day. Settlement run is in the column EXPOSTRUNNO. Generally the number of the settlement run used in the latest statement is the maximum number. |

26.3.2 Description

DAYTRACK is a public data, and is available to all participants.

Source

DAYTRACK is populated by the posting of a billing run.

Volume

Daily billing runs insert one row per day. A non-interim statement has seven records inserted per week. An indicative maximum is 35 records inserted per week.

26.3.3 Primary Key Columns

| |
|----------------|
| Name |
| EXPOSTRUNNO |
| SETTLEMENTDATE |

26.3.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

26.3.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|--------------------------|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |

| | | | |
|------------------------------|--------------|---|---|
| REGIONID | VARCHAR2(10) | | Not Used |
| EXANTERUNSTATUS | VARCHAR2(15) | | Not Used |
| EXANTERUNNO | NUMBER(3,0) | | Not Used |
| EXPOSTRUNSTATUS | VARCHAR2(15) | | Not Used |
| EXPOSTRUNNO | NUMBER(3,0) | X | Settlement Run No |
| LASTCHANGED | DATE | | Last date and time record changed |
| SETTLEMENTINTERVALLENG TH | NUMBER(3,0) | | Length of a settlement interval, in minutes (was 30 minutes, will be 5 minutes starting the commencement of 5MS rule change date). |

26.4 Table: SET_APC_COMPENSATION

26.4.1 SET_APC_COMPENSATION

| | |
|---------|---|
| Name | SET_APC_COMPENSATION |
| Comment | APC Compensation payment amounts in the Settlements timeframe |

26.4.2 Primary Key Columns

| |
|----------------|
| Name |
| APEVENTID |
| CLAIMID |
| PARTICIPANTID |
| PERIODID |
| SETTLEMENTDATE |
| VERSIONNO |

26.4.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement run date |
| VERSIONNO | NUMBER(3) | X | Settlement run number |
| APEVENTID | NUMBER(6) | X | AP Event Id |
| CLAIMID | NUMBER(6) | X | AP Event Claim Id |
| PARTICIPANTID | VARCHAR2(20) | X | Participant identifier |
| PERIODID | NUMBER(3) | X | Trading interval identifier |
| COMPENSATION_AMOUNT | NUMBER(18,8) | | Compensation amount for the event claim in this interval |

26.5 Table: SET_APC_RECOVERY

26.5.1 SET_APC_RECOVERY

| | |
|---------|--|
| Name | SET_APC_RECOVERY |
| Comment | APC Compensation recovery amounts in the Settlements timeframe |

26.5.2 Primary Key Columns

| |
|----------------|
| Name |
| APEVENTID |
| CLAIMID |
| PARTICIPANTID |
| PERIODID |
| REGIONID |
| SETTLEMENTDATE |
| VERSIONNO |

26.5.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement run date |
| VERSIONNO | NUMBER(3) | X | Settlement run number |
| APEVENTID | NUMBER(6) | X | AP Event Id |
| CLAIMID | NUMBER(6) | X | AP Event Claim Id |
| PARTICIPANTID | VARCHAR2(20) | X | Participant identifier |
| PERIODID | NUMBER(3) | X | Settlements Trading Interval. |
| REGIONID | VARCHAR2(20) | X | Region id for the recovery amount |
| RECOVERY_AMOUNT | NUMBER(18,8) | | Recovery amount in the region attributable to the participant for the event claim in this interval |

| | | | |
|----------------------------|--------------|--|---|
| REGION_RECOVERY_ AMOUNT | NUMBER(18,8) | | Total Recovery amount in the region for the event claim in this interval |
|----------------------------|--------------|--|---|

26.6 Table: SET Ancillary Summary

26.6.1 SET Ancillary Summary

| | |
|---------|---|
| Name | SET Ancillary Summary |
| Comment | SET Ancillary Summary summarises payments for all Ancillary Services to participants on the basis of regions and trading intervals. |

26.6.2 Description

SET Ancillary Summary data is available to all participants.

Volume

Approximately 30,000 per week.

26.6.3 Primary Key Columns

Name

PAYMENTTYPE

PERIODID

REGIONID

SERVICE

SETTLEMENTDATE

VERSIONNO

26.6.4 Index Columns

Name

LASTCHANGED

26.6.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-----------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |

| | | | |
|---------------|--------------|---|--|
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No |
| SERVICE | VARCHAR2(20) | X | Ancillary service identifier (e.g. REACTIVE_POWER) |
| PAYMENTTYPE | VARCHAR2(20) | X | Payment type identifier (e.g. COMPENSATION) |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Trading interval |
| PAYMENTAMOUNT | NUMBER(18,8) | | The NEM ancillary summary regional payment amount (\$) |
| LASTCHANGED | DATE | | Last date and time record changed |

26.7 Table: SET_ENERGY_TRAN_SAPS

26.7.1 SET_ENERGY_TRAN_SAPS

| | |
|---------|--|
| Name | SET_ENERGY_TRAN_SAPS |
| Comment | The table shows the Transaction Details for the SAPS Connection Points. The table contains both the MSRPs and Retailers data |

26.7.2 Primary Key Columns

| |
|----------------|
| Name |
| PARTICIPANTID |
| PERIODID |
| SETTLEMENTDATE |
| TNI |
| VERSIONNO |

26.7.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | The Settlement Date of the Billing Week |
| VERSIONNO | NUMBER(3,0) | X | The Settlement Run No |
| PERIODID | NUMBER(3,0) | X | The Period Id identifier |
| PARTICIPANTID | VARCHAR2(20) | X | The Participant ID for the SAPS TNI |
| TNI | VARCHAR2(20) | X | The SAPS Connection Point Identifier |
| REGIONID | VARCHAR2(20) | | The SAPS Region ID |
| SAPS_RRP | NUMBER(18,8) | | The SAPS Settlement Price for the Region |
| CONSUMED_ENERGY_MWH | NUMBER(18,8) | | The Energy MWh Consumed for that TNI for the Participant ID |
| SENTOUT_ENERGY_MWH | NUMBER(18,8) | | The Energy MWh Sent Out for the TNI for the Participant Id |

| | | | |
|----------------------|--------------|--|--|
| CONSUMED_ENERGY_COST | NUMBER(18,8) | | The Cost of the Consumed Energy |
| SENTOUT_ENERGY_COST | NUMBER(18,8) | | The Cost of the Sent Out Energy |
| LASTCHANGED | DATE | | The Last changed Date time of the record |

26.8 Table: SET_FCAS_PAYMENT

26.8.1 SET_FCAS_PAYMENT

| | |
|---------|---|
| Name | SET_FCAS_PAYMENT |
| Comment | SET_FCAS_PAYMENT sets out the enabling payment details for frequency controlled Ancillary Services. |

26.8.2 Description

SET_FCAS_PAYMENT data is confidential to the relevant participant.

Volume

Approximately 150,000 per week.

26.8.3 Primary Key Columns

Name
 DUID
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

26.8.4 Index Columns

Name
 LASTCHANGED

26.8.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|------------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No |
| PARTICIPANTID | VARCHAR2(10) | | Participant identifier |

| | | | |
|--------------------|--------------|---|--|
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| LOWER6SEC_PAYMENT | NUMBER(18,8) | | Lower 6 Second Payment |
| RAISE6SEC_PAYMENT | NUMBER(18,8) | | Raise 6 Second Payment |
| LOWER60SEC_PAYMENT | NUMBER(18,8) | | Lower 60 Second Payment |
| RAISE60SEC_PAYMENT | NUMBER(18,8) | | Raise 60 Second Payment |
| LOWER5MIN_PAYMENT | NUMBER(18,8) | | Lower 5 Minute Payment |
| RAISE5MIN_PAYMENT | NUMBER(18,8) | | Raise 5 Minute Payment |
| LOWERREG_PAYMENT | NUMBER(18,8) | | Lower 5 Minute Regulation Payment |
| RAISEREG_PAYMENT | NUMBER(18,8) | | Raise 5 Minute Regulation Payment |
| LASTCHANGED | DATE | | Last date and time record changed |
| RAISE1SEC_PAYMENT | NUMBER(18,8) | | Payment amount for the very fast raise service |
| LOWER1SEC_PAYMENT | NUMBER(18,8) | | Payment amount for the very fast lower service |

26.9 Table: SET_FCAS_RECOVERY

26.9.1 SET_FCAS_RECOVERY

| | |
|---------|--|
| Name | SET_FCAS_RECOVERY |
| Comment | SET_FCAS_RECOVERY shows reimbursements for the Frequency Control Ancillary Services (FCAS) to be recovered from participants. Beware of potential confusion with the table SETFCASRECOVERY, which reports reimbursements for Frequency Control Ancillary Services Compensation (now unused). |

26.9.2 Description

SET_FCAS_RECOVERY data is confidential to the relevant participant.

Volume

Approximately 1, 500, 000 per week.

26.9.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

26.9.4 Index Columns

Name

LASTCHANGED

26.9.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-----------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |

| | | | |
|-------------------------|--------------|---|--|
| VERSIONNO | VARCHAR2(3) | X | Settlement Run No |
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| LOWER6SEC_RECOVERY | NUMBER(18,8) | | Recovery amount for the Lower 6 Second service attributable to customer connection points |
| RAISE6SEC_RECOVERY | NUMBER(18,8) | | Recovery amount for the Raise 6 Second service attributable to customer connection points |
| LOWER60SEC_RECOVERY | NUMBER(18,8) | | Recovery amount for the Lower 60 Second service attributable to customer connection points |
| RAISE60SEC_RECOVERY | NUMBER(18,8) | | Recovery amount for the Raise 60 Second service attributable to customer connection points |
| LOWER5MIN_RECOVERY | NUMBER(18,8) | | Recovery amount for the Lower 5 Minute service attributable to customer connection points |
| RAISE5MIN_RECOVERY | NUMBER(18,8) | | Recovery amount for the Raise 5 Minute service attributable to customer connection points |
| LOWERREG_RECOVERY | NUMBER(18,8) | | Recovery amount for the Lower Regulation service attributable to customer connection points |
| RAISEREG_RECOVERY | NUMBER(18,8) | | Recovery amount for the Raise Regulation Second service attributable to customer connection points |
| LASTCHANGED | DATE | | Last date and time record changed |
| LOWER6SEC_RECOVERY_GEN | NUMBER(18,8) | | Recovery amount for the Lower 6 Second service attributable to generator connection points |
| RAISE6SEC_RECOVERY_GEN | NUMBER(18,8) | | Recovery amount for the Raise 6 Second service attributable to generator connection points |
| LOWER60SEC_RECOVERY_GEN | NUMBER(18,8) | | Recovery amount for the Lower 60 Second service attributable to generator connection points |

| | | | |
|-------------------------|--------------|--|---|
| RAISE60SEC_RECOVERY_GEN | NUMBER(18,8) | | Recovery amount for the Raise 60 Second service attributable to generator connection points |
| LOWER5MIN_RECOVERY_GEN | NUMBER(18,8) | | Recovery amount for the Lower 5 Minute service attributable to generator connection points |
| RAISE5MIN_RECOVERY_GEN | NUMBER(18,8) | | Recovery amount for the Raise 5 Minute service attributable to generator connection points |
| LOWERREG_RECOVERY_GEN | NUMBER(18,8) | | Recovery amount for the Lower Regulation service attributable to generator connection points |
| RAISEREG_RECOVERY_GEN | NUMBER(18,8) | | Recovery amount for the Raise Regulation Second service attributable to generator connection points |
| RAISE1SEC_RECOVERY | NUMBER(18,8) | | Customer recovery amount for the very fast raise service |
| LOWER1SEC_RECOVERY | NUMBER(18,8) | | Customer recovery amount for the very fast lower service |
| RAISE1SEC_RECOVERY_GEN | NUMBER(18,8) | | Generator recovery amount for the very fast raise service |
| LOWER1SEC_RECOVERY_GEN | NUMBER(18,8) | | Generator recovery amount for the very fast lower service |

26.10 Table: SET_FCAS_REGULATION_TRK

26.10.1 SET_FCAS_REGULATION_TRK

| | |
|---------|---|
| Name | SET_FCAS_REGULATION_TRK |
| Comment | SET_FCAS_REGULATION_TRK shows FCAS Regulation Service Constraint tracking for Regional FCAS Regulation recovery |

26.10.2 Description

SET_FCAS_REGULATION_TRK contains public data and is available to all participants.

Volume

Approximately 350,000 per week.

26.10.3 Primary Key Columns

Name
 CONSTRAINTID
 INTERVAL_DATETIME
 SETTLEMENTDATE
 VERSIONNO

26.10.4 Index Columns

Name
 LASTCHANGED

26.10.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|-------------|-----------|-----------------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No |
| INTERVAL_DATETIME | DATE | X | Dispatch Interval Date Time |

| | | | |
|-----------------------|--------------|---|--|
| CONSTRAINTID | VARCHAR2(20) | X | Generic Constraint ID |
| CMPF | NUMBER(18,8) | | Constraint Market Participant Factor |
| CRMPF | NUMBER(18,8) | | Constraint Residual Market Participant Factor |
| RECOVERY_FACTOR_CMPF | NUMBER(18,8) | | Recovery factor for CMPF based recovery |
| RECOVERY_FACTOR_CRMPF | NUMBER(18,8) | | Recovery factor for CRMPF based recovery |
| LASTCHANGED | DATE | | Last date and time record changed |
| USESUBSTITUTEDEMAND | NUMBER(1,0) | | Flag to indication that substitute demand was used to recover this requirement |
| REQUIREMENTDEMAND | NUMBER(18,8) | | the aggregate customer demand value used to recover the cost of this requirement |

26.11 Table: SET_NMAS_RECOVERY

26.11.1 SET_NMAS_RECOVERY

| | |
|---------|---|
| Name | SET_NMAS_RECOVERY |
| Comment | SET_NMAS_RECOVERY sets out the NSCAS recovery data for payments other than testing. |

26.11.2 Primary Key Columns

Name

CONTRACTID

PARTICIPANTID

PAYMENTTYPE

PERIODID

REGIONID

SERVICE

SETTLEMENTDATE

VERSIONNO

26.11.3 Index Columns

Name

LASTCHANGED

26.11.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|-------------------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement run number |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |

| | | | |
|---------------------------|--------------|---|--|
| PARTICIPANTID | VARCHAR(20) | X | The Participant from whom the amount is recovered |
| SERVICE | VARCHAR(10) | X | The type of NSCAS service. Current value values are: - REACTIVE - LOADSHED - RESTART |
| CONTRACTID | VARCHAR(10) | X | The NMAS Contract Id |
| PAYMENTTYPE | VARCHAR(20) | X | The type of payment being recovered. Valid values are: - AVAILABILITY - ENABLEMENT - COMPENSATION |
| REGIONID | VARCHAR(10) | X | The region from where the amount is recovered |
| RBF | NUMBER(18,8) | | The Benefitting Factor for the RegionId |
| PAYMENT_AMOUNT | NUMBER(18,8) | | The total Payment Amount to recover from all benefitting regions |
| PARTICIPANT_ENERGY | NUMBER(18,8) | | The Participant energy in MWh for the period |
| REGION_ENERGY | NUMBER(18,8) | | The RegionId energy in MWh for the period |
| RECOVERY_AMOUNT | NUMBER(18,8) | | The Total recovery amount for the period for the PARTICIPANTID and REGIONID |
| LASTCHANGED | DATE | | The Last Updated date and time |
| PARTICIPANT_GENERATION | NUMBER(18,8) | | Participant Generator Energy in the benefitting region |
| REGION_GENERATION | NUMBER(18,8) | | The generator energy in the benefitting region |
| RECOVERY_AMOUNT_CUSTOMER | NUMBER(18,8) | | The recovery amount allocated to customers |
| RECOVERY_AMOUNT_GENERATOR | NUMBER(18,8) | | The recovery amount allocated to generators |

26.12 Table: SET_NMAS_RECOVERY_RBF

26.12.1 SET_NMAS_RECOVERY_RBF

| | |
|---------|--|
| Name | SET_NMAS_RECOVERY_RBF |
| Comment | SET_NMAS_RECOVERY_RBF publishes the RBF for NSCAS non testing payments on a half hourly basis. |

26.12.2 Primary Key Columns

| |
|----------------|
| Name |
| CONTRACTID |
| PAYMENTTYPE |
| PERIODID |
| REGIONID |
| SERVICE |
| SETTLEMENTDATE |
| VERSIONNO |

26.12.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

26.12.4 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement run number |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| SERVICE | VARCHAR(10) | X | The type of NSCAS service. Current value values are: |

| | | | |
|-----------------|--------------|---|---|
| | | | - REACTIVE - LOADSHED |
| CONTRACTID | VARCHAR(10) | X | The NMAS Contract Id |
| PAYMENTTYPE | VARCHAR(20) | X | The type of payment being recovered. Valid values are: - AVAILABILITY - ENABLEMENT - COMPENSATION |
| REGIONID | VARCHAR(10) | X | The region from where the amount is recovered |
| RBF | NUMBER(18,8) | | The Benefitting Factor for the RegionId |
| PAYMENT_AMOUNT | NUMBER(18,8) | | The total Payment Amount to recover from all benefitting regions |
| RECOVERY_AMOUNT | NUMBER(18,8) | | The Total recovery amount for the period for the REGIONID |
| LASTCHANGED | DATE | | The Last Updated date and time |

26.13 Table: SET_RECOVERY_ENERGY

26.13.1 SET_RECOVERY_ENERGY

| | |
|---------|---|
| Name | SET_RECOVERY_ENERGY |
| Comment | Settlements substitution recovery energy used |

26.13.2 Primary Key Columns

| |
|-----------------|
| Name |
| PARTICIPANTID |
| PERIODID |
| REGIONID |
| SETTLEMENTDATE |
| SETTLEMENTRUNNO |

26.13.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| PARTICIPANTID | VARCHAR2(20) | X | Unique identifier for the participant |
| REGIONID | VARCHAR2(20) | X | Unique Identifier for the Region to which the TNI belongs on this settlement date |
| PERIODID | NUMBER(3,0) | X | Trading interval identifier, with Period 1 being the first TI for the calendar day, i.e interval ending 00:05 for 5MS or 00:30 for 30MS. |
| CUSTOMERENERGYACTUAL | NUMBER(18,8) | | Actual Customer Demand |
| CUSTOMERENERGYMPFEXACTUAL | NUMBER(18,8) | | Actual Customer Demand excluding TNIs that have a causer pays MPF |
| CUSTOMERENERGYSUBSTITUTE | NUMBER(18,8) | | Substitute Customer Demand |

| | | | |
|-----------------------------------|--------------|--|--|
| CUSTOMERENERGYMPFEXS UBSTITUTE | NUMBER(18,8) | | Substitute Customer Demand excluding TNIs that have a causer pays MPF |
| GENERATORENERGYACTUA L | NUMBER(18,8) | | Actual Generator Output |
| REGIONCUSTENERGYACTUA L | NUMBER(18,8) | | Region Total of Actual Customer Demand |
| REGIONCUSTENERGYMPFEX ACTUAL | NUMBER(18,8) | | Region Total of Actual Customer Demand excluding TNIs that have a causer pays MPF. |
| REGIONCUSTENERGYSUBST | NUMBER(18,8) | | Region Total of Substitute Customer Demand |
| REGIONCUSTENERGYMPFEX SUBST | NUMBER(18,8) | | Region total of Substitute Customer Demand excluding TNIs that have a causer pays MPF. |
| REGIONGENENERGYACTUAL | NUMBER(18,8) | | Region Total of Actual Generator Output |

26.14 Table: SET_RUN_PARAMETER

26.14.1 SET_RUN_PARAMETER

| | |
|---------|--|
| Name | SET_RUN_PARAMETER |
| Comment | SET_RUN_PARAMETER shows the input parameters and value associated with each settlement run (e.g. Residual System Load Causer Pays Factor). |

26.14.2 Description

Change History

19 August 2005 for 4.5.0:

Changed index name again to have suffix of _LCX

Note: primary key shows PK_ as prefix in Oracle SQL script, even though name of key has _PK as suffix - but cannot change since would not improve participant systems .

17 August 2005 for v4.5.0

Added tablespace (02) for recently added index, and gave index a better name

26.14.3 Primary Key Columns

Name
 PARAMETERID
 SETTLEMENTDATE
 VERSIONNO

26.14.4 Index Columns

Name
 LASTCHANGED

26.14.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|----------------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date (Calendar) |

| | | | |
|-------------|--------------|---|---|
| VERSIONNO | NUMBER(3) | X | Settlement Run Number for this date |
| PARAMETERID | VARCHAR2(20) | X | Parameter Identifier |
| NUMVALUE | NUMBER(18,8) | | Settlement Run Amount for the Constant Identifier |
| LASTCHANGED | DATE | | Last date the record changed |

26.15 Table: SET_SUBST_RUN_VERSION

26.15.1 SET_SUBST_RUN_VERSION

| | |
|---------|---|
| Name | SET_SUBST_RUN_VERSION |
| Comment | Settlements substitution demand run version numbers |

26.15.2 Primary Key Columns

| |
|--------------------------|
| Name |
| REFERENCESETTLEMENTDATE |
| REFERENCESETTLEMENTRUNNO |
| SETTLEMENTDATE |
| SETTLEMENTRUNNO |

26.15.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------------------|-------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| REFERENCESETTLEMENTDATE | DATE | X | The settlement date of a settlement run included in the reference period |
| REFERENCESETTLEMENTRUNNO | NUMBER(3,0) | X | The settlement run number matching the settlement date for a settlement run included in the reference period |

26.16 Table: SET_SUBSTITUTE_DEMAND

26.16.1 SET_SUBSTITUTE_DEMAND

| | |
|---------|---|
| Name | SET_SUBSTITUTE_DEMAND |
| Comment | Settlements substitution demand for Zero Demand figures |

26.16.2 Primary Key Columns

| |
|-----------------|
| Name |
| PARTICIPANTID |
| SETTLEMENTDATE |
| SETTLEMENTRUNNO |
| TNI |

26.16.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| TNI | VARCHAR2(20) | X | Unique identifier for the connection point |
| PARTICIPANTID | VARCHAR2(20) | X | Unique identifier for the participant |
| REGIONID | VARCHAR2(20) | | Unique identifier for the region to which the TNI belongs to on this settlement date |
| SUBSTITUTEDEMAND | NUMBER(18,8) | | Substitute metered quantity for non-energy recovery in MWh for the TNI and participant in the trading interval. A negative value indicates net consumption and a positive value indicates net generation |

26.17 Table: SET_WDR_RECON_DETAIL

26.17.1 SET_WDR_RECON_DETAIL

| | |
|---------|--|
| Name | SET_WDR_RECON_DETAIL |
| Comment | Settlements WDR reconciliation details |

26.17.2 Primary Key Columns

| |
|-----------------|
| Name |
| NMI |
| PERIODID |
| SETTLEMENTDATE |
| SETTLEMENTRUNNO |

26.17.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| NMI | VARCHAR2(20) | X | Unique identifier for the meter to which the metering records applies |
| TNI | VARCHAR2(20) | | Unique identifier for the transmission node to which this meter belongs on the settlement date |
| REGIONID | VARCHAR2(20) | | Unique identifier for the region to which the TNI belongs on the settlement date |
| FRMP | VARCHAR2(20) | | Unique identifier for the participant acting as the FRMP for this NMI on the settlement date |
| DRSP | VARCHAR2(20) | | Unique identifier for the participant acting as the DRSP for this NMI on the settlement date |
| PERIODID | NUMBER(3,0) | X | Trading interval identifier with Period 1 being the first TI for the calendar day, that |

| | | | |
|-----------------------|---------------|--|---|
| | | | is the interval ending 00:05 |
| WDRSQ_UNCAPPED | NUMBER(18,8) | | WDR settlement quantity before any capping or flooring (MWh) |
| WDRSQ_CAPPED | NUMBER(18,8) | | WDR settlement quantity after capping or flooring (MWh) |
| MRC | NUMBER(18,8) | | Maximum responsive component for the NMI (MW) |
| MRCSQ | NUMBER(18,8) | | Maximum responsive component settlement quantity for the NMI (MWh) |
| WDRRR | NUMBER(18,8) | | WDR reimbursement rate for the region (\$/MWh) |
| RRP | NUMBER(18,8) | | Regional reference price for the region in the settlement interval (\$/MWh) |
| TLF | NUMBER(18,8) | | Transmission loss factor for the wholesale connection point associated with the NMI |
| ME_DLFADJUSTED | NUMBER(18,8) | | Metered quantity in MWh for the NMI trading interval. A negative value indicates net consumption and a positive value indicates net generation |
| BQ_DLFADJUSTED | NUMBER(18,8) | | Baseline quantity in MWh for the NMI in the trading interval. A negative quantity indicates net consumption, while a positive value indicates net generation |
| ISNONCOMPLIANT | NUMBER(1,0) | | A value of TRUE (indicated by 1) for this column indicates that financial settlement of WDR transactions for this NMI should not proceed for the settlement date and trading interval. Possible values are 1 and 0. |
| QUALITYFLAG | VARCHAR2(20) | | Quality flag for the meter read. Where multiple datastreams exist against the NMI with different quality flags for each read, the lowest quality flag will be published against the NMI for the interval |
| TRANSACTIONAMOUNT | NUMBER(18,8) | | WDR transaction amount for this NMI in the settlement interval (\$) |
| BASELINECALCULATIONID | VARCHAR2(100) | | A reference to the baseline run that produced the baseline quantity for this NMI and interval |

26.18 Table: SET_WDR_TRANSACT

26.18.1 SET_WDR_TRANSACT

| | |
|---------|--------------------------------------|
| Name | SET_WDR_TRANSACT |
| Comment | Settlements WDR transactions summary |

26.18.2 Primary Key Columns

| |
|---------------------------|
| Name |
| COUNTERPARTYPARTICIPANTID |
| PARTICIPANTID |
| PARTICIPANTROLEID |
| PERIODID |
| REGIONID |
| SETTLEMENTDATE |
| SETTLEMENTRUNNO |

26.18.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| PERIODID | NUMBER(3,0) | X | Trading interval identifier with Period 1 being the first TI for the calendar day, that is the interval ending 00:05 |
| REGIONID | VARCHAR2(20) | X | Unique identifier for the region to which the TNI belongs on the settlement date |
| PARTICIPANTID | VARCHAR2(20) | X | Unique identifier for a participant |
| PARTICIPANTROLEID | VARCHAR2(20) | X | Participant role identifier - FRMP or DRSP |
| COUNTERPARTYPARTICIPANTID | VARCHAR2(20) | X | Unique identifier for the counter participant id. |

| | | | |
|-------------------|--------------|--|--|
| TRANSACTIONAMOUNT | NUMBER(18,8) | | Aggregate WDR transaction amount for the participant and counterparty in the settlement interval |
|-------------------|--------------|--|--|

26.19 Table: SETCPDATA

26.19.1 SETCPDATA

Name SETCPDATA

Comment SETCPDATA shows meter settlement data for each connection point. This is the key view for retailers to verify energy charges. A regional summary view is also provided. As the view has values for each connection point by period, for each meter data file, it is a very large view.

26.19.2 Description

The Connection point details (in SETCPDATA) are confidential to the participant and host retailer that the connection points relate to. By comparison, the regional data (SETCPDATAREGION) is publically available.

Source

SETCPDATA updates with each Settlement run.

26.19.3 Primary Key Columns

Name

MDA

PARTICIPANTID

PERIODID

SETTLEMENTDATE

TCPID

VERSIONNO

26.19.4 Index Columns

Name

LASTCHANGED

26.19.5 Index Columns

Name

PARTICIPANTID

26.19.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(10,0) | X | Settlement run no |
| PERIODID | NUMBER(10,0) | X | Settlements Trading Interval. |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| TCPID | VARCHAR2(10) | X | Connection point identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| IGENERGY | NUMBER(16,6) | | Import Gross energy into the pool - MWh |
| XGENERGY | NUMBER(16,6) | | Export Gross energy from the pool - MWh |
| INENERGY | NUMBER(16,6) | | Import Nett energy into the pool - MWh, plus UFEA if the UFEA amount is positive. When GS commences, this includes the UFEA amount in the settlement runs. |
| XNENERGY | NUMBER(16,6) | | Export Nett energy from the pool - MWh, plus (UFEA * -1) if the UFEA amount is negative. When GS commences, this includes the UFEA amount in the settlement runs. |
| IPOWER | NUMBER(16,6) | | Import reactive power |
| XPOWER | NUMBER(16,6) | | Export reactive power |
| RRP | NUMBER(20,5) | | Regional Reference Price |
| EEP | NUMBER(16,6) | | Excess Energy Price |
| TLF | NUMBER(7,5) | | Transmission Loss Factor |
| CPRRP | NUMBER(16,6) | | Connection Point Price = RRP * TLF |

| | | | |
|------------------|---------------|---|---|
| CPEEP | NUMBER(16,6) | | Connection Point Excess Energy Price = EEP * TLF |
| TA | NUMBER(16,6) | | Export - Import of Net energy (MWh) |
| EP | NUMBER(16,6) | | settlement amount in \$ for trading period |
| APC | NUMBER(16,6) | | Not used |
| RESC | NUMBER(16,6) | | Not used |
| RESP | NUMBER(16,6) | | Not used |
| METERRUNNO | NUMBER(10,0) | | Meter Run Number = version number of the meter file |
| LASTCHANGED | DATE | | Last date and time record changed |
| HOSTDISTRIBUTOR | VARCHAR2(10) | | Not used |
| MDA | VARCHAR2(10) | X | Metering Data Agent |
| AFE | NUMBER(18,8) | | Accounted For Energy for this Market Customer FRMP and TNI in the Settlements Trading Interval, excluding any UFEA component |
| DME | NUMBER(18,8) | | Sum of ME- for all NMIs at this Market Customer FRMP and TNI in the Settlements Trading Interval. |
| UFEA | NUMBER (18,8) | | Share of UFE allocated to this FRMP and TNI in the Settlements Trading Interval. |
| AGE | NUMBER (18,8) | | Adjusted Gross Energy for this Market Customer FRMP and TNI in the Settlements Trading Interval. When GS commences, this includes the UFEA amount in the settlement runs. |
| IMPORTENERGYCOST | NUMBER(18,8) | | The total cost of energy sold at the connection point by the participant in this settlement interval |
| EXPORTENERGYCOST | NUMBER(18,8) | | The total cost of energy purchased at the connection point by the participant in this settlement interval |

26.20 Table: SETCPDATAREGION

26.20.1 SETCPDATAREGION

Name SETCPDATAREGION

Comment SETCPDATAREGION sets out summary meter settlement data for each region.

26.20.2 Description

SETCPDATAREGION data is public, so is available to all participants.

Source

SETCPDATAREGION is a summary based on grouping on SETCPDATA and is updated with each settlement run.

26.20.3 Primary Key Columns

Name

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

26.20.4 Index Columns

Name

LASTCHANGED

26.20.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|---------------|-----------|-------------------------------|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(22,10) | X | Settlement run no |
| PERIODID | NUMBER(22,10) | X | Settlements Trading Interval. |

| | | | |
|-------------|--------------|---|--|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| SUMIGENERGY | NUMBER(27,5) | | Import Gross energy into the pool - MWh |
| SUMXGENERGY | NUMBER(27,5) | | Export Gross energy from the pool - MWh |
| SUMINENERGY | NUMBER(27,5) | | Import Nett energy into the pool - MWh |
| SUMXNENERGY | NUMBER(27,5) | | Export Nett energy from the pool - MWh |
| SUMIPOWER | NUMBER(22,0) | | Not used |
| SUMXPOWER | NUMBER(22,0) | | Not used |
| LASTCHANGED | DATE | | current system date, to enable automatic replication |
| SUMEP | NUMBER(15,5) | | Sum of energy price across the region |

26.21 Table: SETFCASREGIONRECOVERY

26.21.1 SETFCASREGIONRECOVERY

| | |
|---------|--|
| Name | SETFCASREGIONRECOVERY |
| Comment | SETFCASREGIONRECOVERY shows FCAS Regional Recovery Data against each Trading Interval. |

26.21.2 Description

SETFCASREGIONRECOVERY contains public data and is available to all participants.

Source

SETFCASREGIONRECOVERY updates with each settlements run.

Volume

Approximately 10,000 rows per day

26.21.3 Primary Key Columns

Name
 BIDTYPE
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

26.21.4 Index Columns

Name
 LASTCHANGED

26.21.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|-----------------------|--------------|---|---|
| SETTLEMENTDATE | DATE | X | Settlement Date of trading interval |
| VERSIONNO | NUMBER(3,0) | X | Settlement run no |
| BIDTYPE | VARCHAR2(10) | X | FCAS Service Type |
| REGIONID | VARCHAR2(10) | X | RegionID |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| GENERATORREGIONENERGY | NUMBER(16,6) | | Generator Regional Energy Amount |
| CUSTOMERREGIONENERGY | NUMBER(16,6) | | Customer Region Energy Amount |
| REGIONRECOVERY | NUMBER(18,8) | | The NEM Regional Recovery Amount for FCAS |
| LASTCHANGED | DATE | | Last Date record changed |

26.22 Table: SETGENDATA

26.22.1 SETGENDATA

| | |
|---------|--|
| Name | SETGENDATA |
| Comment | SETGENDATA shows meter settlement data for each generation meter point. A regional summary is also provided. |

26.22.2 Description

SETGENDATA shows generator meter details, and SETGENDATA data is confidential to the participant. By comparison, the regional summary (SETGENDATAREGION) is public data.

Source

SETGENDATA updates with each Settlement run.

26.22.3 Primary Key Columns

Name
 DUID
 GENSETID
 PERIODID
 REGIONID
 SETTLEMENTDATE
 STATIONID
 VERSIONNO

26.22.4 Index Columns

Name
 LASTCHANGED

26.22.5 Index Columns

Name

PARTICIPANTID

26.22.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(10,0) | X | Settlement run no |
| PERIODID | NUMBER(10,0) | X | Settlements Trading Interval. |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| STATIONID | VARCHAR2(10) | X | Station Identifier |
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |
| GENSETID | VARCHAR2(10) | X | Physical unit identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| GENERGY | NUMBER(16,6) | | Generated energy |
| AENERGY | NUMBER(16,6) | | Purchased Energy |
| GPOWER | NUMBER(16,6) | | Not used |
| APOWER | NUMBER(16,6) | | Not used |
| RRP | NUMBER(20,5) | | Regional Reference Price |
| EEP | NUMBER(16,6) | | Excess Energy Price |
| TLF | NUMBER(7,5) | | Transmission Loss Factor |
| CPRRP | NUMBER(16,6) | | Connection Point Price = RRP * TLF |
| CPEEP | NUMBER(16,6) | | Connection Point Excess Energy Price = EEP * TLF |
| NETENERGY | NUMBER(16,6) | | Generated energy |
| ENERGYCOST | NUMBER(16,6) | | Cost of net energy \$ |
| EXCESSENERGYCOST | NUMBER(16,6) | | Cost of excess energy \$ |
| APC | NUMBER(16,6) | | Administered Price Compensation |

| | | | |
|---------------|--------------|--|---|
| RESC | NUMBER(16,6) | | Not used |
| RESP | NUMBER(16,6) | | Not used |
| LASTCHANGED | DATE | | Last date and time record changed |
| EXPENERGY | NUMBER(15,6) | | Export Energy (Generator Purchases) (MWh) |
| EXPENERGYCOST | NUMBER(15,6) | | Export Energy Cost (\$) |
| METERRUNNO | NUMBER(6,0) | | Identifier of the meter run used in this settlement calculation |
| MDA | VARCHAR2(10) | | Metering Data Agent |
| SECONDARY_TLF | NUMBER(7,5) | | Secondary Transmission Loss Factor |

26.23 Table: SETGENDATAREGION

26.23.1 SETGENDATAREGION

| | |
|---------|---|
| Name | SETGENDATAREGION |
| Comment | SETGENDATAREGION sets out summary settlement data for generation within the specified region. |

26.23.2 Description

SETGENDATAREGION shows the regional summary. SETGENDATAREGION is public data.

Source

SETGENDATAREGION updates with each Settlement run.

26.23.3 Primary Key Columns

Name

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

26.23.4 Index Columns

Name

LASTCHANGED

26.23.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|---------------|-----------|-------------------------------|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(22,10) | X | Settlement run no |
| PERIODID | NUMBER(22,10) | X | Settlements Trading Interval. |

| | | | |
|------------------|--------------|---|--|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| GENERGY | NUMBER(22,0) | | Generated energy - Not used in MMS Data Model |
| AENERGY | NUMBER(22,0) | | Purchased Energy - Not used in MMS Data Model |
| GPOWER | NUMBER(22,0) | | Not used in MMS Data Model |
| APOWER | NUMBER(22,0) | | Not used in MMS Data Model |
| NETENERGY | NUMBER(27,5) | | Net energy MW/hours |
| ENERGYCOST | NUMBER(27,5) | | Cost of net energy \$ |
| EXCESSENERGYCOST | NUMBER(27,5) | | Cost of excess energy \$ |
| EXPENERGY | NUMBER(27,6) | | Export Energy (Generator Purchases) |
| EXPENERGYCOST | NUMBER(27,6) | | Export Energy Cost |
| LASTCHANGED | DATE | | current system date, to enable automatic replication |

26.24 Table: SETINTRAREGIONRESIDUES

26.24.1 SETINTRAREGIONRESIDUES

Name SETINTRAREGIONRESIDUES

Comment

26.24.2 Description

SETINTRAREGIONRESIDUES data is public to all participants.

Source

SETINTRAREGIONRESIDUES updates with each settlement run.

Note

The relationship between the data columns for each key is expressed in the following formula:
 $EP + EC + (EXP * RRP) = IRSS$

26.24.3 Primary Key Columns

Name

PERIODID

REGIONID

RUNNO

SETTLEMENTDATE

26.24.4 Index Columns

Name

LASTCHANGED

26.24.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-----------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| RUNNO | NUMBER(3) | X | Settlement run number |

| | | | |
|-------------|--------------|---|--|
| PERIODID | NUMBER(3) | X | Settlements Trading Interval. |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| EP | NUMBER(15,5) | | Energy payments to generators |
| EC | NUMBER(15,5) | | Energy purchased by customers |
| RRP | NUMBER(15,5) | | Regional price |
| EXP | NUMBER(15,5) | | Net import in MWh into the region calculated at the regional reference node (export is negative) |
| IRSS | NUMBER(15,5) | | Intra-regional surplus (a negative sign indicates surplus, and a positive sign indicates a deficiency) |
| LASTCHANGED | DATE | | Last date and time record changed |

26.25 Table: SETIRAUCSURPLUS

26.25.1 SETIRAUCSURPLUS

| | |
|---------|--|
| Name | SETIRAUCSURPLUS |
| Comment | This view supports the Settlements Residue Auction, by holding the NSP participant allocations of IRSurplus arising as a result of the unsold units for a quarter. |

26.25.2 Description

SETIRAUCSURPLUS data is confidential to the relevant participant.

Source

SETIRAUCSURPLUS updates with each settlement run.

Volume

SETIRAUCSURPLUS contains a maximum of 10 million records per year.

26.25.3 Primary Key Columns

| |
|------------------|
| Name |
| CONTRACTID |
| FROMREGIONID |
| INTERCONNECTORID |
| PARTICIPANTID |
| PERIODID |
| SETTLEMENTDATE |
| SETTLEMENTRUNNO |

26.25.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

26.25.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| CONTRACTID | VARCHAR2(10) | X | SRA Contract unique identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | Contracted Interconnector identifier |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| TOTALSURPLUS | NUMBER(15,5) | | Total value of surplus before allocation |
| CONTRACTALLOCATION | NUMBER(8,5) | | Percentage allocated to participant |
| SURPLUSVALUE | NUMBER(15,5) | | Amount NSP is paid for Inter/intra-Regional surplus energy produced |
| LASTCHANGED | DATE | | Date and time this record was last modified |
| CSP_DEROGATION_AMOUNT | NUMBER(18,8) | | The CSP derogation amount applied as an adjustment to SRA |
| UNADJUSTED_IRSR | NUMBER(18,8) | | The SRA amount unadjusted by CSP |

26.26 Table: SETIRNSPSURPLUS

26.26.1 SETIRNSPSURPLUS

| | |
|---------|--|
| Name | SETIRNSPSURPLUS |
| Comment | This view supports the Settlements Residue Auction, by showing the TNSP participant allocations of Interconnector Residue (IR) Surplus (i.e. derogated amounts) arising as a result of the sold units for a quarter. |

26.26.2 Description

SETIRNSPSURPLUS data is confidential to the relevant participant.

Source

SETIRNSPSURPLUS updates with each settlement run.

Volume

SETIRNSPSURPLUS contains a maximum of 10 million records per year.

26.26.3 Primary Key Columns

Name

CONTRACTID

FROMREGIONID

INTERCONNECTORID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

SETTLEMENTRUNNO

26.26.4 Index Columns

Name

LASTCHANGED

26.26.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| CONTRACTID | VARCHAR2(10) | X | SRA Contract unique identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant unique identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | Identifier of Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| TOTALSURPLUS | NUMBER(15,5) | | Total value of surplus |
| CONTRACTALLOCATION | NUMBER(8,5) | | Percentage of total surplus allocated to participant |
| SURPLUSVALUE | NUMBER(15,5) | | Amount NSP is paid for Inter/intra-Regional surplus energy produced by the participant |
| LASTCHANGED | DATE | | Date and time this record was last modified |
| CSP_DEROGATION_AMOUNT | NUMBER(18,8) | | The CSP derogation amount applied as an adjustment to SRA |
| UNADJUSTED_IRSR | NUMBER(18,8) | | The SRA amount unadjusted by CSP |

26.27 Table: SETIRPARTSURPLUS

26.27.1 SETIRPARTSURPLUS

| | |
|---------|---|
| Name | SETIRPARTSURPLUS |
| Comment | This view supports the Settlements Residue Auction, holding the participant allocations of IRSurplus. |

26.27.2 Description

SETIRPARTSURPLUS data is confidential to each participant.

Source

SETIRPARTSURPLUS updates with each settlement run.

Volume

SETIRPARTSURPLUS contains a maximum of 20 million records per year.

26.27.3 Primary Key Columns

- Name
- CONTRACTID
- FROMREGIONID
- INTERCONNECTORID
- PARTICIPANTID
- PERIODID
- SETTLEMENTDATE
- SETTLEMENTRUNNO

26.27.4 Index Columns

- Name
- LASTCHANGED

26.27.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Settlement date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| CONTRACTID | VARCHAR2(10) | X | Ancillary Service Contract |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant unique identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | Identifier of the Contracted Interconnector |
| FROMREGIONID | VARCHAR2(10) | X | Nominated source region for Interconnector |
| TOTALSURPLUS | NUMBER(15,5) | | Total value of surplus before allocation |
| CONTRACTALLOCATION | NUMBER(8,5) | | Allocated percentage to participant |
| SURPLUSVALUE | NUMBER(15,5) | | Amount NSP is paid for Inter/intra-Regional surplus energy produced |
| LASTCHANGED | DATE | | Date and time this record was last updated |
| CSP_DEROGATION_AMOUNT | NUMBER(18,8) | | The CSP derogation amount applied as an adjustment to SRA |
| UNADJUSTED_IRSR | NUMBER(18,8) | | The SRA amount unadjusted by CSP |

26.28 Table: SETIRSURPLUS

26.28.1 SETIRSURPLUS

| | |
|---------|---|
| Name | SETIRSURPLUS |
| Comment | SETIRSURPLUS records the interregional residue calculation for each interconnector and each side of the interconnector. |

26.28.2 Description

SETIRSURPLUS data is public, so is available to all participants.

Source

SETIRSURPLUS updates once a day at 8am.

Note

MWFLOW and LOSSFACTOR are now both calculated as MWh (energy) values for the half hour, and not MW (average demand) values. By way of clarification, the MWFLOW value is derived from half-hour revenue class metering, adjusted by a fixed fraction of the LOSSFACTOR value. The LOSSFACTOR value is taken to be exactly half of the MWLOSSES value in the TRADINGINTERCONNECT table.

The METEREDMWFLOW field in the TRADINGINTERCONNECT table contains averaged SCADA metering demand values available in “real time”, whereas the MWFLOW field in the SETIRSURPLUS table contains settlement energy metering values available only after a settlement run is posted.

26.28.3 Primary Key Columns

Name

INTERCONNECTORID

PERIODID

REGIONID

SETTLEMENTDATE

SETTLEMENTRUNNO

26.28.4 Index Columns

Name

LASTCHANGED

26.28.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector |
| REGIONID | VARCHAR2(10) | X | Side of interconnector |
| MWFLOW | NUMBER(15,6) | | Net flow at the regional node (MWh), including losses |
| LOSSFACTOR | NUMBER(15,5) | | MW losses along interconnector NOTE: This is not a loss factor, but a loss figure expressed in MWH |
| SURPLUSVALUE | NUMBER(15,5) | | Amount of surplus in \$ |
| LASTCHANGED | DATE | | Last date and time record changed |
| CSP_DEROGATION_AMOUNT | NUMBER(18,8) | | The CSP derogation amount applied as an adjustment to SRA |
| UNADJUSTED_IRSR | NUMBER(18,8) | | The SRA amount unadjusted by CSP |

26.29 Table: SETLOCALAREAENERGY

26.29.1 SETLOCALAREAENERGY

Name SETLOCALAREAENERGY

Comment SETLOCALAREAENERGY shows the UFE, AGE and associated values for each local area and trading interval in a settlement run.

26.29.2 Primary Key Columns

Name

LOCALAREAID

PERIODID

SETTLEMENTDATE

SETTLEMENTRUNNO

26.29.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date of the settlement run |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number of the settlement run |
| LOCALAREAID | VARCHAR2(30) | X | Unique identifier for the local area |
| PERIODID | NUMBER(3,0) | X | Settlement Trading Interval |
| UFE | NUMBER(18,8) | | Total unaccounted-for energy for the local area in this trading interval, in MWh |
| DDME | NUMBER(18,8) | | DDME component of UFE for the local area in this trading interval, in MWh. |
| TME | NUMBER(18,8) | | TME component of UFE for the local area in this trading interval, in MWh. |
| ADME | NUMBER(18,8) | | ADME component of UFE for the local area in this trading interval, in MWh. |
| ADMELA | NUMBER(18,8) | | The sum of all DME amounts for each Market Customer FRMP and TNI in the |

| | | | |
|-------------|------|--|---------------------------------------|
| | | | local area, in this trading interval. |
| LASTCHANGED | DATE | | Last changed date time for the record |

26.30 Table: SETLOCALAREATNI

26.30.1 SETLOCALAREATNI

| | |
|---------|---|
| Name | SETLOCALAREATNI |
| Comment | SETLOCALAREATNI shows the list of TNIs constituent to a local area in a settlement run. |

26.30.2 Primary Key Columns

| |
|-----------------|
| Name |
| LOCALAREAID |
| SETTLEMENTDATE |
| SETTLEMENTRUNNO |
| TNI |

26.30.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date of the settlement run |
| SETTLEMENTRUNNO | NUMBER(3,0) | X | Settlement run number of the settlement run |
| LOCALAREAID | VARCHAR2(30) | X | Unique identifier for the local area |
| TNI | VARCHAR2(30) | X | Unique identifier for a TNI constituent to the local area as at the settlement run |
| LASTCHANGED | DATE | | Last changed date time for the record |

26.31 Table: SETLSHEDPAYMENT

26.31.1 SETLSHEDPAYMENT

| | |
|---------|--|
| Name | SETLSHEDPAYMENT |
| Comment | SETLSHEDPAYMENT shows specific payment details for load shed services by period. |

26.31.2 Description

SETLSHEDPAYMENT data is confidential to the relevant participant.

Source

SETLSHEDPAYMENT updates with each settlement run.

26.31.3 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

26.31.4 Index Columns

Name
LASTCHANGED

26.31.5 Index Columns

Name
PARTICIPANTID

26.31.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| CONTRACTID | VARCHAR2(10) | X | AS Contract Identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| DUID | VARCHAR2(10) | | Dispatchable Unit Identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| TLF | NUMBER(7,5) | | Transmission Loss Factor |
| RRP | NUMBER(15,5) | | Regional Reference Price |
| LSEPRICE | NUMBER(15,5) | | Load Shed Enabling Price |
| MCPPRICE | NUMBER(15,5) | | Minimum Compensation Price |
| LSCR | NUMBER(4,0) | | Load Shed Control Range |
| LSEPAYMENT | NUMBER(15,5) | | Load Shed Enabling Payment |
| CCPAYMENT | NUMBER(15,5) | | Compensation Payment |
| CONSTRAINEDMW | NUMBER(15,5) | | Cleared MW of unit at time of load shed usage |
| UNCONSTRAINEDMW | NUMBER(15,5) | | Unconstrained MW of unit at time of load shed usage |
| ALS | NUMBER(15,5) | | Amount of load shed |
| INITIALDEMAND | NUMBER(15,5) | | Initial demand of unit at time of load shed usage |
| FINALDEMAND | NUMBER(15,5) | | Final demand of unit at time of load shed usage |
| CONTRACTVERSIONNO | NUMBER(3,0) | | AS Contract Version No. |
| OFFERDATE | DATE | | Re-offer offer date |
| OFFERVERSIONNO | NUMBER(3,0) | | Re-Offer Version No. |

| | | | |
|---------------------|--------------|--|---|
| LASTCHANGED | DATE | | Last date and time record changed |
| AVAILABILITYPAYMENT | NUMBER(16,6) | | Payment amount for the Load Shed Availability service |

26.32 Table: SETLSHEDRECOVERY

26.32.1 SETLSHEDRECOVERY

| | |
|---------|--|
| Name | SETLSHEDRECOVERY |
| Comment | SETLSHEDRECOVERY shows reimbursements for Load shed Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012) |

26.32.2 Description

SETLSHEDRECOVERY data is confidential to the relevant participant.

Source

SETLSHEDRECOVERY updates with each settlement run.

Note

Only the payment fields (LSEPAYMENT and CCPAYMENT) are on a regional basis. All other demand and recovery fields are on NEM basis rather than a regional basis.

26.32.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

26.32.4 Index Columns

Name

LASTCHANGED

26.32.5 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|--------------------------|--------------|-----|--|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant to pay recovery |
| CONTRACTID | VARCHAR2(10) | | Contract Identifier for reserve, intervention, settlement and ancillary service contracts. Contracts are coded by type and unit. |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| LSEPAYMENT | NUMBER(15,5) | | Load Shed Enabling Payment |
| CCPAYMENT | NUMBER(15,5) | | Compensation Payment |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Total Participant NEM Demand |
| REGIONDEMAND | NUMBER(15,5) | | Total NEM Demand |
| LSERECOVERY | NUMBER(15,5) | | Load Shed Enabling Recovery |
| CCRECOVERY | NUMBER(15,5) | | Compensation Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |
| LSERECOVERY_GEN | NUMBER(15,5) | | Load Shed Enabling Recovery for Generator |
| CCRECOVERY_GEN | NUMBER(15,5) | | Compensation Recovery for Generator |
| PARTICIPANTDEMAND_GEN | NUMBER(15,5) | | Total Participant NEM Demand for Generator |
| REGIONDEMAND_GEN | NUMBER(15,5) | | Total NEM Demand for Generator |
| AVAILABILITYRECOVERY | NUMBER(16,6) | | Recovery amount for the Load Shed Availability service attributable to customer connection points |
| AVAILABILITYRECOVERY_GEN | NUMBER(16,6) | | Recovery amount for the Load Shed Availability service attributable to generator connection points |

26.33 Table: SETMARKETFEEES

26.33.1 SETMARKETFEEES

Name SETMARKETFEEES

Comment SETMARKETFEEES shows payments for market fees for each settlement date.

26.33.2 Description

SETMARKETFEEES is confidential data.

Source

SETMARKETFEEES updates with each settlement run.

26.33.3 Primary Key Columns

Name

MARKETFEEID

PARTICIPANTCATEGORYID

PARTICIPANTID

PERIODID

RUNNO

SETTLEMENTDATE

26.33.4 Index Columns

Name

LASTCHANGED

26.33.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-----------------|
| SETTLEMENTDATE | DATE | X | Settlement date |

| | | | |
|-----------------------|--------------|---|---|
| RUNNO | NUMBER(3,0) | X | Settlement run no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| MARKETFEEID | VARCHAR2(10) | X | Market fee identifier (e.g. V_EST) |
| MARKETFEEVALUE | NUMBER(15,5) | | Fee charge |
| ENERGY | NUMBER(16,6) | | Energy amount for variable fees |
| LASTCHANGED | DATE | | Last date and time record changed |
| PARTICIPANTCATEGORYID | VARCHAR2(10) | X | The participant category that the market fee recovery pertains to. Corresponds to the PARTICIPANTCATEGORYID column of the PARTICIPANT_BANDFEE_CATEGORY_ALLOC_C_V view for BAND\$ type fees, or to the MARKETFEETYPE column of the MARKETFEE_P_V view for all other fee types. |
| FEERATE | NUMBER(18,8) | | The rate applied to this fee for the participant at the settlement date |
| FEEUNITS | NUMBER(18,8) | | The number of units applicable to this fee for the participant, in the trading interval. |

26.34 Table: SETREALLOCATIONS

26.34.1 SETREALLOCATIONS

| | |
|---------|---|
| Name | SETREALLOCATIONS |
| Comment | SETREALLOCATIONS shows the trading interval value of reallocations processed, for those participants whose reallocation submissions have been accepted by AEMO. |

26.34.2 Description

SETREALLOCATIONS data is confidential to participants party to the reallocation.

Source

SETREALLOCATIONS updates by the posting of a billing run.

Volume

Generally, there are approximately 550 records inserted per week.

26.34.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REALLOCATIONID

RUNNO

SETTLEMENTDATE

26.34.4 Index Columns

Name

LASTCHANGED

26.34.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|-------------------|--------------|---|---|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| RUNNO | NUMBER(3,0) | X | Settlement run no |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| REALLOCATIONID | VARCHAR2(20) | X | Reallocation contract identifier |
| REALLOCATIONVALUE | NUMBER(15,5) | | Reallocation value in \$ |
| ENERGY | NUMBER(15,5) | | Energy in MWh if reallocation agreement type is MWh |
| RRP | NUMBER(15,5) | | Regional Reference Price |
| LASTCHANGED | DATE | | Last date and time record changed |

26.35 Table: SETRESERVERECOVERY

26.35.1 SETRESERVERECOVERY

| | |
|---------|--|
| Name | SETRESERVERECOVERY |
| Comment | SETRESERVERECOVERY shows reserve recovery details. |

26.35.2 Description

SETRESERVERECOVERY is unused.

Source

Unused; was updated when reserve recovery occurred in a billing run.

26.35.3 Primary Key Columns

Name

CONTRACTID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

26.35.4 Index Columns

Name

LASTCHANGED

26.35.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |

| | | | |
|-------------------|--------------|---|--|
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| CONTRACTID | VARCHAR2(10) | X | |
| RCF | CHAR(1) | | Regional Recovery Flag |
| SPOTPAYMENT | NUMBER(12,5) | | Cap difference for generator |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| PARTICIPANTDEMAND | NUMBER(12,5) | | Demand of Participant in Region/Market |
| TOTALDEMAND | NUMBER(12,5) | | Total Demand of Region/Market |
| RESERVEPAYMENT | NUMBER(12,5) | | Payment made to generator for Reserve Trader Contract |
| RESERVEAMOUNT | NUMBER(12,5) | | Payment owed by Retailer to pool for Reserve Trader Contract |
| LASTCHANGED | DATE | | Last date and time record changed |
| REGIONID | VARCHAR2(10) | | Region Identifier |

26.36 Table: SETRESTARTPAYMENT

26.36.1 SETRESTARTPAYMENT

| | |
|---------|---|
| Name | SETRESTARTPAYMENT |
| Comment | SETRESTARTPAYMENT shows specific payment details for System Restart services by period. |

26.36.2 Description

SETRESTARTPAYMENT data is confidential to the relevant participant.

Source

SETRESTARTPAYMENT updates with each settlement run.

26.36.3 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

26.36.4 Index Columns

Name
LASTCHANGED

26.36.5 Index Columns

Name
PARTICIPANTID

26.36.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| RESTARTTYPE | NUMBER(1,0) | | System Restart Type (0 = FRC, 1 = GRC, 2 = TTH) |
| AVAFLAG | NUMBER(1,0) | | Availability Flag |
| AVAILABILITYPRICE | NUMBER(15,5) | | Availability Price |
| TCF | NUMBER(1,0) | | Service Test Flag |
| AVAILABILITYPAYMENT | NUMBER(15,5) | | Availability Payment |
| CONTRACTVERSIONNO | NUMBER(3,0) | | Contract Version No. |
| OFFERDATE | DATE | | Re-offer offer date |
| OFFERVERSIONNO | NUMBER(3,0) | | Re-Offer Version No. |
| LASTCHANGED | DATE | | Last date and time record changed |
| ENABLINGPAYMENT | NUMBER(18,8) | | The enabling payment made for system restart in this half-hour interval |

26.37 Table: SETRESTARTRECOVERY

26.37.1 SETRESTARTRECOVERY

| | |
|---------|---|
| Name | SETRESTARTRECOVERY |
| Comment | SETRESTARTRECOVERY shows reimbursements for system restart Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012) |

26.37.2 Description

SETRESTARTRECOVERY data is confidential to the relevant participant.

Source

SETRESTARTRECOVERY updates with each settlement run.

26.37.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

26.37.4 Index Columns

Name

LASTCHANGED

26.37.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-----------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |

| | | | |
|--------------------------|--------------|---|---|
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant to pay recovery |
| CONTRACTID | VARCHAR2(10) | | Contract Identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| AVAILABILITYPAYMENT | NUMBER(15,5) | | Availability Payment |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Participant Demand in Region |
| REGIONDEMAND | NUMBER(15,5) | | NEM Demand (NB sum of ALL Regions) |
| AVAILABILITYRECOVERY | NUMBER(15,5) | | Availability Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |
| AVAILABILITYRECOVERY_GEN | NUMBER(15,5) | | Availability Recovery for Generator |
| PARTICIPANTDEMAND_GEN | NUMBER(15,5) | | Participant Demand in Region for Generator |
| REGIONDEMAND_GEN | NUMBER(15,5) | | Sum of all generation including SGA generation across all regions of the NEM and floored to zero |
| ENABLINGPAYMENT | NUMBER(18,8) | | The enabling payment made for system restart in this half-hour interval |
| ENABLINGRECOVERY | NUMBER(18,8) | | The enabling recovery amount for system restart in this half-hour interval attributable to customer activity |
| ENABLINGRECOVERY_GEN | NUMBER(18,8) | | The enabling recovery amount for system restart in this half-hour interval attributable to generator activity |

26.38 Table: SETRPOWERPAYMENT

26.38.1 SETRPOWERPAYMENT

| | |
|---------|--|
| Name | SETRPOWERPAYMENT |
| Comment | SETRPOWERPAYMENT shows specific payment details for Reactive power services by period. |

26.38.2 Description

SETRPOWERPAYMENT data is confidential to the relevant participant.

Source

SETRPOWERPAYMENT updates with each settlement run.

26.38.3 Primary Key Columns

Name

CONTRACTID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

26.38.4 Index Columns

Name

LASTCHANGED

26.38.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |

| | | | |
|---------------------|--------------|---|---|
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| CONTRACTID | VARCHAR2(10) | X | AS Contract Identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| DUID | VARCHAR2(10) | | Dispatchable Unit Identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| TLF | NUMBER(7,5) | | Transmission Loss Factor |
| EBP | NUMBER(15,5) | | Eligible Bid Price |
| RRP | NUMBER(15,5) | | Regional Reference Price |
| MVARAPRICE | NUMBER(15,5) | | Availability price per MVar of RP absorption capability |
| MVAREPRICE | NUMBER(15,5) | | Enabling Price |
| MVARGPRICE | NUMBER(15,5) | | Availability price per MVar of RP generation capability |
| CCPRICE | NUMBER(15,5) | | Compensation Cap |
| SYNCCOMPENSATION | NUMBER(1,0) | | Sync Compensation Flag |
| MTA | NUMBER(15,5) | | Reactive Power Absorption Capability (MVar) |
| MTG | NUMBER(15,5) | | Reactive Power Generation Capability (MVar) |
| BLOCKSIZE | NUMBER(4,0) | | Block size of unit |
| AVAFLAG | NUMBER(1,0) | | Availability Flag |
| CLEAREDMW | NUMBER(15,5) | | Cleared MW of unit |
| UNCONSTRAINEDMW | NUMBER(15,5) | | Unconstrained MW of unit |
| AVAILABILITYPAYMENT | NUMBER(15,5) | | Availability Payment |
| ENABLINGPAYMENT | NUMBER(15,5) | | Enabling Payment |
| CCPAYMENT | NUMBER(15,5) | | Compensation Payment |
| CONTRACTVERSIONNO | NUMBER(3,0) | | AS Contract Version No. |
| OFFERDATE | DATE | | Re-offer offer date |
| OFFERVERSIONNO | NUMBER(3,0) | | Re-Offer Version No. |

| | | | |
|----------------------------|--------------|--|--|
| LASTCHANGED | DATE | | Last date and time record changed |
| AVAILABILITYPAYMENT_REBATE | NUMBER(18,8) | | The rebate amount if MegaVar (MVA _r) is below the threshold. |

26.39 Table: SETRPOWERRECOVERY

26.39.1 SETRPOWERRECOVERY

| | |
|---------|--|
| Name | SETRPOWERRECOVERY |
| Comment | SETRPOWERRECOVERY shows reimbursements for Reactive Power Ancillary Services to be recovered from participants. (Data no longer created for Settlement Days from 01/07/2012) |

26.39.2 Description

SETRPOWERRECOVERY data is confidential to the relevant participant.

Source

SETRPOWERRECOVERY updates with each settlement run.

Note

Only the payment fields (AVAILABILITYPAYMENT, ENABLINGPAYMENT and CCPAYMENT) are on a regional basis. All other demand and recovery fields are on NEM basis rather than a regional basis.

26.39.3 Primary Key Columns

Name
 PARTICIPANTID
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

26.39.4 Index Columns

Name
 LASTCHANGED

26.39.5 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|--------------------------|--------------|-----|--|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant to pay recovery |
| CONTRACTID | VARCHAR2(10) | | AS Contract Identifier |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| AVAILABILITYPAYMENT | NUMBER(15,5) | | Availability Payment |
| ENABLINGPAYMENT | NUMBER(15,5) | | Enabling Payment |
| CCPAYMENT | NUMBER(15,5) | | Compensation payment |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Total Participant NEM Demand |
| REGIONDEMAND | NUMBER(15,5) | | Total NEM Demand |
| AVAILABILITYRECOVERY | NUMBER(15,5) | | Availability Recovery |
| ENABLINGRECOVERY | NUMBER(15,5) | | Enabling Recovery |
| CCRECOVERY | NUMBER(15,5) | | Compensation Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |
| AVAILABILITYRECOVERY_GEN | NUMBER(15,5) | | Availability Recovery for Generator |
| ENABLINGRECOVERY_GEN | NUMBER(15,5) | | Enabling Recovery for Generator |
| CCRECOVERY_GEN | NUMBER(15,5) | | Compensation Recovery for Generator |
| PARTICIPANTDEMAND_GEN | NUMBER(15,5) | | Total Participant NEM Demand for Generator |
| REGIONDEMAND_GEN | NUMBER(15,5) | | Total NEM Demand for Generator |

26.40 Table: SETSMALLGENDATA

26.40.1 SETSMALLGENDATA

Name SETSMALLGENDATA

Comment Publishes metering data and associated settlement values for with a registered Small Generator Aggregator participants connection points.

26.40.2 Primary Key Columns

Name

CONNECTIONPOINTID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

26.40.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement date |
| VERSIONNO | NUMBER(3,0) | X | Version number of the record for the settlement date |
| CONNECTIONPOINTID | VARCHAR2(20) | X | Transmission Node Identifier (TNI) |
| PERIODID | NUMBER(3,0) | X | Settlements Trading Interval. |
| PARTICIPANTID | VARCHAR2(20) | X | Unique participant identifier |
| REGIONID | VARCHAR2(20) | | Region Identifier |
| IMPORTENERGY | NUMBER(18,8) | | The import direction value for the meter read (MWh) |
| EXPORTENERGY | NUMBER(18,8) | | The export direction value for the meter read (MWh) |
| RRP | NUMBER(18,8) | | Regional Reference Price |

| | | | |
|---------------|--------------|--|---------------------------------------|
| TLF | NUMBER(18,8) | | Transmission Loss Factor |
| IMPENERGYCOST | NUMBER(18,8) | | Import Energy Cost (\$) |
| EXPENERGYCOST | NUMBER(18,8) | | Export Energy Cost (\$) |
| LASTCHANGED | DATE | | Last date and time the record changed |

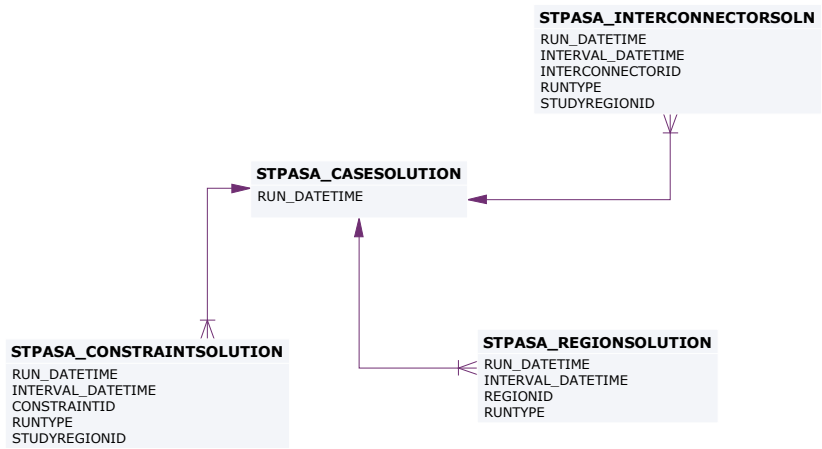
27 Package: STPASA_SOLUTION

| | |
|----------------|--|
| <i>Name</i> | STPASA_SOLUTION |
| <i>Comment</i> | Results from a published Short Term PASA Run |

27.1 List of tables

| Name | Comment |
|---------------------------|--|
| STPASA_CASESOLUTION | STPASA_CASESOLUTION holds one record containing results pertaining to each entire solution |
| STPASA_CONSTRAINTSOLUTION | STPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value. |
| STPASA_INTERCONNECTORSOLN | STPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval. |
| STPASA_REGIONSOLUTION | STPASA_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study. |

27.2 Diagram: Entities: ST PASA Solution



27.3 Table: STPASA_CASESOLUTION

27.3.1 STPASA_CASESOLUTION

| | |
|---------|--|
| Name | STPASA_CASESOLUTION |
| Comment | STPASA_CASESOLUTION holds one record containing results pertaining to each entire solution |

27.3.2 Description

STPASA_CASESOLUTION is public data.

Source

STPASA_CASESOLUTION is updated each STPASA run (i.e. every 2 hours).

Volume

Rows per day: 12

Mb per month: <1

27.3.3 Primary Key Columns

| | |
|------|--------------|
| Name | RUN_DATETIME |
|------|--------------|

27.3.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

27.3.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| PASAVERSION | VARCHAR2(10) | | Version of the PASA solver used to solve this case |
| RESERVECONDITION | NUMBER(1,0) | | Low Reserve Condition (LRC) flag for the case (1 - LRC in the case, 0 - No LRCs in |

| | | | |
|------------------------------|--------------|--|---|
| | | | the case) for capacity run |
| LORCONDITION | NUMBER(1,0) | | Lack of Reserve Condition (LOR) flag for the case indicates the most severe condition in the case (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR) |
| CAPACITYOBJFUNCTION | NUMBER(12,3) | | Objective Function from the Capacity Adequacy run |
| CAPACITYOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the demand forecast used for capacity adequacy assessment. 0 if no assessment, 1 for 10%, 2 for 50%, 3 for 90% |
| MAXSURPLUSRESERVEOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the demand forecast used for assessment of Maximum surplus Reserve. 0 if no assessment, 1 for 10%, 2 for 50%, 3 for 90% |
| MAXSPARECAPACITYOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the demand forecast used for assessment of Maximum Spare Capacity. 0 if no assessment, 1 for 10%, 2 for 50%, 3 for 90% |
| INTERCONNECTORFLOWPENALTY | NUMBER(12,3) | | The penalty for non-zero interconnector flow |
| LASTCHANGED | DATE | | Date and time the record was created or modified |
| RELIABILITYLRCDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedence (POE) demand forecast for Reliability LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |
| OUTAGELRCDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedence (POE) demand forecast for outage LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |
| LORDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedence (POE) demand forecast for LOR assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |
| RELIABILITYLRCCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in Reliability LRC run (either PASA or MARKET) |
| OUTAGELRCCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in Outage LRC run (either PASA or |

| | | | |
|--------------------------|--------------|--|---|
| N | | | MARKET) |
| LORCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in LOR run (either PASA or MARKET) |
| LORUIGFOption | NUMBER(3,0) | | UIGF POE forecast availability used for this option |
| ReliabilityLRCUIGFOption | NUMBER(3,0) | | UIGF POE forecast availability used for this option |
| OutageLRCUIGFOption | NUMBER(3,0) | | UIGF POE forecast availability used for this option |

27.4 Table: STPASA_CONSTRAINTSOLUTION

27.4.1 STPASA_CONSTRAINTSOLUTION

| | |
|---------|--|
| Name | STPASA_CONSTRAINTSOLUTION |
| Comment | STPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value. |

27.4.2 Description

STPASA_CONSTRAINTSOLUTION is public data.

Source

STPASA_CONSTRAINTSOLUTION is updated each STPASA run (i.e. every 2 hours).

Volume

Rows per day: 19000 (est.)

Mb per month: 90

27.4.3 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
RUN_DATETIME
RUNTYPE
STUDYREGIONID

27.4.4 Index Columns

Name
LASTCHANGED

27.4.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| CONSTRAINTID | VARCHAR2(20) | X | Constraint identifier (synonymous with GenConID) |
| CAPACITYRHS | NUMBER(12,2) | | The RHS value in the capacity evaluation. |
| CAPACITYMARGINALVALUE | NUMBER(12,2) | | Capacity adequacy assessment marginal value, 0 if not binding |
| CAPACITYVIOLATIONDEGREE | NUMBER(12,2) | | Capacity adequacy assessment violation degree for generic constraint; 0 if not violating |
| LASTCHANGED | DATE | | Last changed date of this record |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. |
| STUDYREGIONID | VARCHAR2(20) | X | Primary Region for LP Solve (or MARKET if none). |

27.5 Table: STPASA_INTERCONNECTORSOLN

27.5.1 STPASA_INTERCONNECTORSOLN

| | |
|---------|---|
| Name | STPASA_INTERCONNECTORSOLN |
| Comment | STPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval. |

27.5.2 Description

STPASA_INTERCONNECTORSOLN is public so is available to all participants.

Source

STPASA_INTERCONNECTORSOLN is updated each STPASA run (i.e. every 2 hours).

Volume

Rows per day: 576

Mb per month: 4

27.5.3 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

STUDYREGIONID

27.5.4 Index Columns

Name

LASTCHANGED

27.5.5 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|-------------------------|--------------|-----|---|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector Identifier |
| CAPACITYMWFLOW | NUMBER(12,2) | | Interconnector loading level (MW) that can be reached in case of capacity scarcity in neighbouring regions subject to network and energy constraints |
| CAPACITYMARGINALVALUE | NUMBER(12,2) | | Capacity adequacy assessment marginal value, 0 if not binding |
| CAPACITYVIOLATIONDEGREE | NUMBER(12,2) | | Capacity adequacy assessment violation degree for interconnector capacity; 0 if not violating |
| CALCULATEDEXPORTLIMIT | NUMBER(12,2) | | Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit |
| CALCULATEDIMPORTLIMIT | NUMBER(12,2) | | Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow. |
| LASTCHANGED | DATE | | Last changed date of this record |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. |
| EXPORTLIMITCONSTRAINTID | VARCHAR2(20) | | ID of the constraint that sets the Interconnector Export Limit |
| IMPORTLIMITCONSTRAINTID | VARCHAR2(20) | | ID of the constraint that sets the Interconnector Import Limit |
| STUDYREGIONID | VARCHAR2(20) | X | Primary Region for LP Solve (or MARKET if none). |

27.6 Table: STPASA_REGIONSOLUTION

27.6.1 STPASA_REGIONSOLUTION

| | |
|---------|--|
| Name | STPASA_REGIONSOLUTION |
| Comment | STPASA_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study. |

27.6.2 Description

STPASA_REGIONSOLUTION is public so is available to all participants.

Source

STPASA_REGIONSOLUTION is updated each STPASA run (i.e every 2 hours).

Volume

Rows per day: 480

Mb per month: 8

27.6.3 Primary Key Columns

Name
 INTERVAL_DATETIME
 REGIONID
 RUN_DATETIME
 RUNTYPE

27.6.4 Index Columns

Name
 LASTCHANGED

27.6.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-----------|-----------|--|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |

| | | | |
|-----------------------------|--------------|---|---|
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| DEMAND10 | NUMBER(12,2) | | Input value for 10% probability demand |
| DEMAND50 | NUMBER(12,2) | | Input value for 50% probability demand |
| DEMAND90 | NUMBER(12,2) | | Input value for 90% probability demand |
| RESERVEREQ | NUMBER(12,2) | | Input reserve requirement |
| CAPACITYREQ | NUMBER(12,2) | | Demand + Reserve Requirement |
| ENERGYREQDEMAND50 | NUMBER(12,2) | | Sum of: (Region Period Demand - given Demand50)/Period (sum by trading day, entered in first period of trading day, GWh) |
| UNCONSTRAINEDCAPACITY | NUMBER(12,0) | | In a Region, capacity from generation/Load with no Daily Energy Constraint, subject to network security constraints |
| CONSTRAINEDCAPACITY | NUMBER(12,0) | | In a Region, capacity from generation/Load with non-zero Daily Energy Constraint, subject to network security constraints |
| NETINTERCHANGEUNDERSCARCITY | NUMBER(12,2) | | Net export in MW out of this region in the capacity adequacy evaluation. Export if > 0, Import if < 0. |
| SURPLUSCAPACITY | NUMBER(12,2) | | Regional surplus capacity MW, +/- values indicate surplus/deficit capacity respectively |
| SURPLUSRESERVE | NUMBER(12,2) | | Regional reserve surplus. +/- values indicate surplus/deficit reserve respectively |
| RESERVECONDITION | NUMBER(1,0) | | The regional reserve condition: 0 Adequate, 1 LRC |
| MAXSURPLUSRESERVE | NUMBER(12,2) | | The Maximum Surplus Reserve evaluated for this region in this period. Calculated for each region in turn. |
| MAXSPARECAPACITY | NUMBER(12,2) | | The Maximum Spare Capacity evaluated for this region in this period. Calculated for each region in turn. |

| | | | |
|------------------------------------|--------------|---|---|
| LORCONDITION | NUMBER(1,0) | | The LOR Condition determined from the Maximum Spare Capacity value: 0 - no condition, 1 - LOR1 condition, 2 - LOR2 condition, 3 - LOR3 condition |
| AGGREGATECAPACITYAVAILABLE | NUMBER(12,2) | | Sum of MAXAVAIL quantities offered by all Scheduled units and Availability of all semi-scheduled units limited by MAXAVAIL in a given Region for a given PERIODID |
| AGGREGATESCHEDULEDLOAD | NUMBER(12,2) | | Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID. |
| LASTCHANGED | DATE | | Last changed date of this record |
| AGGREGATEPASAAVAILABILITY | NUMBER(12,0) | | Sum of PASAAVAILABILITY quantities offered by all Scheduled Generators in a given Region for a given PERIODID. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. |
| ENERGYREQDEMAND10 | NUMBER(12,2) | | Energy (GWh) required for this energy block based on the 10% probability of exceedance demand. Listed in the first interval of the energy block |
| CALCULATEDLOR1LEVEL | NUMBER(16,6) | | Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency |
| CALCULATEDLOR2LEVEL | NUMBER(16,6) | | Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency |
| MSRNETINTERCHANGEUNDE RSCARCITY | NUMBER(12,2) | | Net interconnector flow from the region for this interval from the MSR assessment |
| LORNETINTERCHANGEUNDE RSCARCITY | NUMBER(12,2) | | Net interconnector flow from the region for this interval from the LOR assessment |
| TOTALINTERMITTENTGENERATION | NUMBER(15,5) | | Allowance made for non-scheduled generation in the demand forecast (MW). |
| DEMAND_AND_NONSCHEDGEN | NUMBER(15,5) | | Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW). |

| | | | |
|---------------------------|---------------|--|--|
| UIGF | NUMBER(12,2) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW). |
| SEMISCHEDULEDCAPACITY | NUMBER(12,2) | | Constrained generation forecast for semi-scheduled units for the region. For RELIABILITY_LRC run semi-scheduled generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run semi-scheduled generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| LOR_SEMISCHEDULEDCAPACITY | NUMBER(12,2) | | Constrained generation forecast for semi-scheduled units for the region for the LOR run type. Semi-scheduled generation is constrained by both System Normal and Outage constraints, and incorporate MAXAVAIL limits. |
| LCR | NUMBER(16,6) | | Largest Credible Risk. MW value for highest credible contingency |
| LCR2 | NUMBER(16,6) | | Two Largest Creditable Risks. MW value for highest two credible contingencies. |
| FUM | NUMBER(16,6) | | Forecasting Uncertainty Measure. MW value of reserve calculated as defined in the Reserve Level Declaration Guidelines |
| SS_SOLAR_UIGF | Number(12,2) | | Unconstrained Intermittent Generation Forecast for solar for the region. For RELIABILITY_LRC and OUTAGE_LRC run this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run this is the POE50 forecast |
| SS_WIND_UIGF | Number (12,2) | | Unconstrained Intermittent Generation Forecast for wind for the region. For RELIABILITY_LRC and OUTAGE_LRC run this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run this is the POE50 forecast |
| SS_SOLAR_CAPACITY | Number (12,2) | | Constrained generation forecast for solar for the region. For RELIABILITY_LRC run solar generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run solar generation is constrained by both System |

| | | | |
|-------------------|---------------|--|---|
| | | | Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| SS_WIND_CAPACITY | Number (12,2) | | Constrained generation forecast for wind for the region. For RELIABILITY_LRC run wind generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run wind generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| SS_SOLAR_CLEARED | Number (12,2) | | Constrained generation forecast for solar for the region. For RELIABILITY_LRC run solar generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run solar generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| SS_WIND_CLEARED | Number (12,2) | | Constrained generation forecast for wind for the region. For RELIABILITY_LRC run wind generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run wind generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| WDR_AVAILABLE | NUMBER(12,2) | | Regional aggregated Wholesale Demand Response (WDR) availability in MW. |
| WDR_PASAAVAILABLE | NUMBER(12,2) | | Regional aggregated Wholesale Demand Response (WDR) PASA availability in MW. |
| WDR_CAPACITY | NUMBER(12,2) | | Regional aggregated Wholesale Demand Response (WDR) capacity in MW. |

28 Package: TRADING_DATA

| | |
|----------------|------------------------------------|
| <i>Name</i> | TRADING_DATA |
| <i>Comment</i> | 30 minute Trading interval results |

28.1 List of tables

| Name | Comment |
|---------------------|---|
| AVERAGEPRICE30 | Reflects the 30-minute average price (the pre-5MS trading price). |
| TRADINGINTERCONNECT | <p>TRADINGINTERCONNECT shows the Interconnector flows for the 5 minutes Trading Interval.</p> <p>Prior to 5 Minute Settlements, this was the average of the six 5 minute dispatch intervals within the 30 minute period.</p> |
| TRADINGPRICE | <p>TRADINGPRICE sets out 5 minutes spot market price, including fields to handle the Ancillary Services functionality. If prices are adjusted, the final price is recorded in the regional reference price (RRP) field with price before adjustment recorded in the regional original price (ROP) field.</p> <p>Prior to 5 Minute Settlements, this was half-hourly spot market values, which was calculated as the average of the six 5 minute dispatch intervals within the 30 minute period.</p> |

28.2 Diagram: Entities: Trading Data

TRADINGINTERCONNECT

SETTLEMENTDATE
RUNNO
INTERCONNECTORID
PERIODID

TRADINGPRICE

SETTLEMENTDATE
RUNNO
REGIONID
PERIODID

AVERAGEPRICE30

PERIODDATE
REGIONID

28.3 Table: AVERAGEPRICE30

28.3.1 AVERAGEPRICE30

| | |
|---------|---|
| Name | AVERAGEPRICE30 |
| Comment | Reflects the 30-minute average price (the pre-5MS trading price). |

28.3.2 Primary Key Columns

| |
|------------|
| Name |
| PERIODDATE |
| REGIONID |

28.3.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| PERIODDATE | DATE | X | 30-minute interval period, 1 to 48 from the start of the calendar day |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | NUMBER(3,0) | X | The 30-minute interval period, 1 to 48 |
| RRP | NUMBER(15,5) | | Regional reference price for this period |
| PRICE_CONFIDENCE | VARCHAR2(20) | | Result of Manifestly Incorrect Inputs Price Status and OCD_Status - either "FIRM" or "NOT FIRM". Only FIRM if the Dispatch Interval is resolved for both MII and OCD |
| LASTCHANGED | DATE | | Last date and time record changed |

28.4 Table: TRADINGINTERCONNECT

28.4.1 TRADINGINTERCONNECT

| | |
|---------|--|
| Name | TRADINGINTERCONNECT |
| Comment | <p>TRADINGINTERCONNECT shows the Interconnector flows for the 5 minutes Trading Interval.</p> <p>Prior to 5 Minute Settlements, this was the average of the six 5 minute dispatch intervals within the 30 minute period.</p> |

28.4.2 Description

TRADINGINTERCONNECT is public data, and is available to all participants.

Source

TRADINGINTERCONNECT is updated half hourly.

28.4.3 Primary Key Columns

Name

INTERCONNECTORID

PERIODID

RUNNO

SETTLEMENTDATE

28.4.4 Index Columns

Name

LASTCHANGED

28.4.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|--------------------------------|
| SETTLEMENTDATE | DATE | X | Date that this data applies to |

| | | | |
|------------------|--------------|---|--|
| RUNNO | NUMBER(3,0) | X | Dispatch run no. |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector identifier |
| PERIODID | NUMBER(3,0) | X | Period number where 1 represents the trading interval ending at 00:05 AEST |
| METEREDMWFLOW | NUMBER(15,5) | | Average of the metered MW flow from the start of each dispatch interval. |
| MWFLOW | NUMBER(15,5) | | Calculated MW Flow from SPD |
| MWLOSSES | NUMBER(15,5) | | MW losses at calculated MW flow |
| LASTCHANGED | DATE | | Last date and time record changed |

28.5 Table: TRADINGPRICE

28.5.1 TRADINGPRICE

Name TRADINGPRICE

Comment TRADINGPRICE sets out 5 minutes spot market price, including fields to handle the Ancillary Services functionality. If prices are adjusted, the final price is recorded in the regional reference price (RRP) field with price before adjustment recorded in the regional original price (ROP) field.

Prior to 5 Minute Settlements, this was half-hourly spot market values, which was calculated as the average of the six 5 minute dispatch intervals within the 30 minute period.

28.5.2 Description

TRADINGPRICE data is public, so is available to all participants.

Source

TRADINGPRICE updates every 30 minutes.

Notes

INVALIDFLAG

The INVALIDFLAG field is used to indicate whether the Trading interval price has been adjusted after the trading interval was completed. On a very restricted set of events, the market rules allow a dispatch price (5 min) to be adjusted on the next business day, and, when this occurs, the corresponding trading interval price for that region is also adjusted and marked as adjusted with INVALIDFLAG of 'A'.

The INVALIDFLAG = 'Y' only applies to historical periods when not all six of the 5-minute dispatch intervals were run in the trading interval. System changes implemented on 30 September 2001 mean this situation no longer occurs since missing dispatch intervals are automatically populated from a previous interval.

If the INVALIDFLAG field = '0', the price was not adjusted and all six dispatch intervals are present.

Prices

There is no field in the TRADINGPRICE table (or the MMS data model anywhere) telling you that the price is provisional or final. The only reliable method is to ensure that the trading date is at least 2 business days old.

28.5.3 Primary Key Columns

Name

PERIODID

REGIONID

RUNNO

SETTLEMENTDATE

28.5.4 Index Columns

Name

LASTCHANGED

28.5.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Date that this data applies to |
| RUNNO | NUMBER(3,0) | X | Run No |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Period number where 1 represents the trading interval ending at 00:05 AEST |
| RRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| EEP | NUMBER(15,5) | | Excess energy price where negative average |
| INVALIDFLAG | VARCHAR2(1) | | Indicates when the Trading interval price has been adjusted after the trading interval was completed |
| LASTCHANGED | DATE | | Last date and time record changed |
| ROP | NUMBER(15,5) | | Regional Original Price. The price before any adjustments were made |
| RAISE6SECRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| RAISE6SECROP | NUMBER(15,5) | | Original regional price - prior to APC or VoLL overrides applied |
| RAISE60SECRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| RAISE60SECROP | NUMBER(15,5) | | Original regional price - prior to APC or VoLL overrides applied |

| | | | |
|---------------|--------------|--|---|
| RAISE5MINRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| RAISE5MINROP | NUMBER(15,5) | | Original regional price - prior to APC or VoLL overrides applied |
| RAISEREGRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| RAISEREGROP | NUMBER(15,5) | | Original regional price - prior to APC or VoLL overrides applied |
| LOWER6SECRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| LOWER6SECROP | NUMBER(15,5) | | Original regional price - prior to APC or VoLL overrides applied |
| LOWER60SECRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| LOWER60SECROP | NUMBER(15,5) | | Original regional price - prior to APC or VoLL overrides applied |
| LOWER5MINRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| LOWER5MINROP | NUMBER(15,5) | | Original regional price - prior to APC or VoLL overrides applied |
| LOWERREGRRP | NUMBER(15,5) | | Regional reference price for this dispatch period |
| LOWERREGROP | NUMBER(15,5) | | Original regional price - prior to APC or VoLL overrides applied |
| PRICE_STATUS | VARCHAR2(20) | | Status of regional prices for this dispatch interval "NOT FIRM" or "FIRM" |
| RAISE1SECRRP | NUMBER(15,5) | | Regional Raise 1Sec Price - R1Price attribute after capping/flooring |
| RAISE1SECROP | NUMBER(15,5) | | Raise1Sec Regional Original Price - uncapped/unfloored and unscaled |
| LOWER1SECRRP | NUMBER(15,5) | | Regional Lower 1Sec Price - RegionSolution element L1Price attribute |
| LOWER1SECROP | NUMBER(15,5) | | Lower1Sec Regional Original Price - uncapped/unfloored and unscaled |

29 Package: HISTORICAL TABLES

| | |
|----------------|---------------------------------|
| <i>Name</i> | HISTORICAL TABLES |
| <i>Comment</i> | These tables are no longer used |

29.1 List of tables

| Name | Comment |
|-------------------------------|---|
| APCCOMP | APCCOMP is to set out Administered Price Cap (APC) compensation periods for a participant. |
| APCCOMPAMOUNT | APCCOMPAMOUNT shows the Administered Price Cap (APC) compensation amount. |
| APCCOMPAMOUNTTRK | APCCOMPAMOUNTTRK sets out the relevant Administered Price Cap (APC) period for compensation purposes. Use the APCCOMPAMOUNTTRK table in conjunction with APCAMOUNT. |
| BIDPEROFFER | BIDPEROFFER shows period-based Energy and Ancillary Service bid data. BIDPEROFFER is a child table of BIDDAYOFFER. |
| BILLADJUSTMENTS | |
| BILLING_CSP_DEROGATION_AMOUNT | CSP derogation amounts with respect to participant allocated payment |
| BILLING_MR_PAYMENT | BILLING_MR_PAYMENT shows aggregate payments on a dispatchable unit/MR Event basis for accepted MR capacity |
| BILLING_MR_RECOVERY | BILLING_MR_RECOVERY shows aggregate recovery charges on a dispatchable unit / MR Event basis for spot market income from dispatch of MR capacity. |
| BILLING_MR_SHORTFALL | BILLING_MR_SHORTFALL shows aggregate MR shortfall payments (or recovery charges) to each participant in the region for the MR event. |
| BILLING_MR_SUMMARY | BILLING_MR_SUMMARY shows aggregate payment/recovery and shortfall figures for an MR Event. |
| BILLING_RES_TRADER_PAYMENT | Billing result table for reserve trader contract payments |
| BILLING_RES_TRADER_RECOVERY | Billing result table for reserve trader contract recovery |
| BILLINGCPSUM | BILLINGCPSUM shows adjustments for a billing run by participant. |

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| BILLINGCUSTEXCESSGEN | BILLINGCUSTEXCESSGEN shows excess generation payments for each participant cutover. |
| BILLINGEXCESSGEN | BILLINGEXCESSGEN shows the excess generation cost by period for each participant. |
| BILLINGINTERVENTION | BILLINGINTERVENTION shows billing intervention recovery details. |
| BILLINGINTERVENTIONREGION | BILLINGINTERVENTIONREGION shows recovery charges for region intervention. |
| BILLINGRESERVERECOVERY | BILLINGRESERVERECOVERY shows Market Reserve recovery details for each participant in a bill run. |
| BILLINGRESERVEREGIONRECOVERY | BILLINGRESERVEREGIONRECOVERY shows Billing Region Reserve region recovery details for each participant (by region). |
| BILLINGRESERVETRADER | BILLINGRESERVETRADER shows Billing Market Reserve TRADER payment details to Generators. |
| BILLINGRESERVETRADERREGION | BILLINGRESERVETRADERREGION shows Billing Region Reserve Trader payment details. |
| BILLINGSMELTERREDUCTION | BILLINGSMELTERREDUCTION shows the smelter reduction payment (only applies to participants with Victorian customer connection points). |
| BILLINTERVENTIONRECOVERY | BILLINTERVENTIONRECOVERY shows billing market intervention recovery details for each participant. |
| BILLINTERVENTIONREGIONRECOVERY | BILLINTERVENTIONREGIONRECOVERY shows billing region intervention recovery details for each participant by region. |
| BILLSMELTERRATE | BILLSMELTERRATE is standing data, setting out the rates used in smelter reduction calculations. |
| CONNECTIONPOINT | CONNECTIONPOINT shows all valid connection points and their type. Transmission loss factors are available for all connection points in TRANSMISSIONLOSSFACTOR. |
| CONNECTIONPOINTDETAILS | CONNECTIONPOINTDETAILS is obsolete, since it was never populated by Participants accessing AEMO's Oracle Interface. CONNECTIONPOINTDETAILS was designed to show relevant details for each connection point including the responsible party, loss factor and relevant MDAs. |
| CONNECTIONPOINTOPERATINGSTA | CONNECTIONPOINTOPERATINGSTA shows whether a connection point is active or not. |
| CONTRACTGOVERNOR | CONTRACTGOVERNOR became unused when Ancillary Services Review was implemented in 2001. For more details, see Change Notice 126. |

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| | CONTRACTGOVERNOR shows Governor contract details used in the settlement and dispatch of this service. Note services are dispatched as 6 and 60 raise and lower Frequency Control Ancillary Services (FCAS). Lower and raise 6 and 60 second fields are used in dispatch of services. Deadband and Droop details are used in settlements. |
| CONTRACTRESERVEFLAG | CONTRACTRESERVEFLAG has never been or will be used. It was to show a period by period flag for regional or market recovery of reserve trading contract amounts. |
| CONTRACTRESERVETHRESHOLD | CONTRACTRESERVETHRESHOLD shows reserve contract threshold details for enabling, usage and availability thresholds and rates for reserve trader contracts. |
| CONTRACTRESERVETRADER | CONTRACTRESERVETRADER shows reserve trader contract details. Version numbers do not apply as contracts exist for specified purposes. |
| CONTRACTUNITLOADING | CONTRACTUNITLOADING became unused when Ancillary Services Review was implemented in 2001. For more details, see Change Notice 126. CONTRACTUNITLOADING shows Unit Loading contract details used in the settlement and dispatch of this service. |
| CONTRACTUNITUNLOADING | CONTRACTUNITUNLOADING shows Ancillary Service contract data for rapid generator unit unloading. |
| DAYOFFER | DAYOFFER sets out the participants' daily components of participant bid containing details applying for the whole day (such as prices, daily energy constraint and fast start profiles). To retrieve full bid details, read in conjunction with PEROFFER. |
| DAYOFFER_D | DAYOFFER_D sets out the participants' daily components of participant bid containing just the latest details (such as prices, daily energy constraint and fast start profiles). To retrieve latest bid details, read in conjunction with PEROFFER_D. |
| DEFAULTDAYOFFER | DEFAULTDAYOFFER shows day-based details of participants' default bids unit for the same day. |
| DEFAULTOFFERTRK | DEFAULTOFFERTRK shows the file names of default offers submitted for each unit. |
| DEFAULTPEROFFER | DEFAULTPEROFFER shows half hourly period-based data in the default bid for each Dispatchable Unit, such as period availability, rate of change and band quantities. |
| DELTAMW | DELTAMW sets out the Frequency Control Ancillary Services (FCAS) requirement to be provided locally within each region and |

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|--------------------------|---|
| | each half-hour period in a market day. Two fields specify Frequency Controlled Ancillary Services requirements to be provided locally for the new regulation ancillary services. |
| DISPATCHBIDTRK | DISPATCHBIDTRK shows the bid tracking, including the bid version used in each dispatch run for each unit. DISPATCHBIDTRK is the audit trail of the bid actually used in each dispatch. |
| DISPATCHCASE_OCD | DISPATCHCASE_OCD shows the key data to indicate when an over-constrained dispatch (OCD) re-run actually occurred. One record per over-constrained dispatch interval. |
| DISPATCHCASESOLUTION_BNC | DISPATCHCASESOLUTION_BNC was discontinued on 30 September 2009. Prior: DISPATCHCASESOLUTION_BNC is the key data to indicate when a binding intra-regional network constraints (BNC) re-run actually occurred. |
| DISPATCHLOAD_BNC | DISPATCHLOAD_BNC was discontinued on 30 September 2009. Prior: DISPATCHLOAD_BNC gives binding intra-regional network constraints (BNC) re-run dispatch results for all scheduled generating units. DISPATCHLOAD_BNC has a similar structure to DISPATCHLOAD but does not repeat input type data (e.g. InitialMW, AGCStatus) since these values are available from DISPATCHLOAD. |
| DISPATCHTRK | DISPATCHTRK is no longer used. DISPATCHTRK was the cross-reference between each dispatch run and SPD case run. DISPATCHTRK may be available on the InfoServer but not replicated to participant databases as it contains data duplicated in other tables. |
| FORCEMAJEURE | FORCEMAJEURE used to set out the start and end dates / periods of any force majeure event. FORCEMAJEURE is not used. |
| FORCEMAJEUREREGION | FORCEMAJEUREREGION used to set out regions impacted by a force majeure event. This table is not used. |
| GENUNITMTRINPERIOD | GENUNITMTRINPERIOD shows meter reading by period for each generator meter. GENUNITMTRINPERIOD covers generated power flowing into the system. It is used to calculate settlement values. |
| INTCONTRACT | INTCONTRACT shows intervention contract details. These are specific to each intervention. |
| INTCONTRACTAMOUNT | INTCONTRACTAMOUNT shows intervention contract amounts. |
| INTCONTRACTAMOUNTTRK | INTCONTRACTAMOUNTTRK shows the latest valid version of each intervention contract. |
| INTERCONNMWFLOW | INTERCONNMWFLOW shows Metered Interconnector flow data. INTERCONNMWFLOW shows the meter data provided by Meter Data Providers to MSATS. Despite the name, this view shows metered energy (MWh) and not |

| | |
|--------------------|--|
| | power flow (MW). |
| MARKETSUSPENSION | <p>MARKETSUSPENSION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>MARKETSUSPENSION sets out a start and end periods of any market suspension and the reason.</p> |
| MARKETSUSREGION | <p>MARKETSUSREGION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>MARKETSUSREGION sets out a regions affected by a market suspension.</p> |
| MAS_CP_CHANGE | MAS_CP_CHANGE records pending changes to the current MAS configuration. |
| MAS_CP_MASTER | MAS_CP_MASTER shows the current MAS configuration. |
| METERDATA | METERDATA sets out a meter data for each customer connection point. METERDATA covers market load. Use the field METERRUNNO to match the meter data version for each settlement run. |
| METERDATA_GEN_DUID | Recorded actual generation of non-scheduled units where SCADA data is available. |
| METERDATA_TRK | Tracking table for the publication of wholesale settlement data associated with BILLING run |
| METERDATATRK | METERDATATRK records meter data files submitted for each connection point on a daily basis. The same data is provided in METERDATA period by period (i.e. 48 records), whereas METERDATATRK shows one record per day for each file submitted for a connection point. |
| MNSP_FILETRK | MNSP_FILETRK shows all MNSPOFFERS transmitted to the MMS system. |
| MNSP_OFFERTRK | MNSP_OFFERTRK records all valid MNSPOFFERS loaded into the MMS system. The authorised date reflects the date and time of the load. MNSP_OFFERTRK is key for tracking MNSP bid submission. |
| MNSP_PEROFFER | <p>MNSP_PEROFFER shows period by period availability and other period data pertaining to a specific bid and LinkID for the given Settlement Date.</p> <p>MNSP_PEROFFER is a child to MNSP_DAYOFFER and links to MNSP_OFFERTRK.</p> |
| MR_DAYOFFER_STACK | MR_DAYOFFER_STACK defines the Stack order for each version of the Acceptance Schedule, including all units submitting MR |

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|-------------------------------|--|
| | offers for that event. MR_DAYOFFER_STACK is the child to MR_EVENT_SCHEDULE, and parent to MR_PEROFFER_STACK. |
| MR_EVENT | MR_EVENT defines an MR Event for a given region on a specific trading date. |
| MR_EVENT_SCHEDULE | MR_EVENT_SCHEDULE defines the Stack version of the Acceptance Schedule and is the parent table to MR_DayOffer_Stack and MR_PerOffer_Stack. |
| MR_PEROFFER_STACK | MR_PEROFFER_STACK defines the accepted capacity on a period basis for the Acceptance Schedule, is a child table to MR_DayOffer_Stack and only includes records or units with accepted_capacity > 0 for the specific period. |
| MTPASA_CASE_SET | MTPASA_CASE_SET is obsolete from 2005 End of Year Release. The RUNTYPE added to the primary key of the detail tables for MTPASA allows for the different types of runs for each case. MTPASA_CASE_SET allows a MT PASA scenario to be linked across runs. |
| MTPASA_CASESOLUTION | MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release. MTPASA_CASESOLUTION holds one record for each entire solution. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxXX tables become obsolete, replaced by MTPASA_XXX tables. |
| MTPASA_CONSTRAINTSOLUTION | MTPASA_CONSTRAINTSOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_CONSTRAINTSOLUTION table holds the binding and violated constraint results from the capacity evaluation, including the RHS value. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxXX tables become obsolete, replaced by MTPASA_XXX tables. |
| MTPASA_INTERCONNECTORSOLUTION | MTPASA_INTERCONNECTORSOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_INTERCONNECTORSOLUTION table shows the results of the capacity evaluation for Interconnectors, including the |

| | |
|--------------------------------|--|
| | <p>calculated limits for the ldcblock within the day.</p> <p>Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxXX tables become obsolete, replaced by MTPASA_XXX tables (see Change Notices 400, 400a and 400b).</p> |
| MTPASA_REGIONSOLUTION | <p>MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>The MTPASA_REGIONSOLUTION table shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each day and ldcblock of the study.</p> |
| MTPASA_RESERVELIMITSOLUTION | <p>MTPASA_RESERVELIMITSOLUTION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>MT PASA Solution table reporting whether a MT PASA Reserve requirement is binding for each day and LDC block of the run.</p> |
| MTPASACONSTRAINTSOLUTION_D | <p>MTPASACONSTRAINTSOLUTION_D sets out MT PASA constraint solution results, where constraints are binding.</p> |
| MTPASAINTERCONNECTORSOLUTION_D | <p>MTPASAINTERCONNECTORSOLUTION_D shows interconnector results for MT PASA, shown region by region.</p> |
| MTPASAREGIONSOLUTION_D | <p>MTPASAREGIONSOLUTION_D shows region results for MT PASA, showing predicted demand and any capacity limits.</p> |
| OARTRACK | <p>OARTRACK shows an audit trail of bids for a particular settlement day. Corrupt bids do not update OARTRACK, but are just in OFFERFILETRK.</p> |
| OFFERFILETRK | <p>OFFERFILETRK shows an audit trail of all bid files submitted containing energy bids, including corrupt bids/rebids.</p> |
| OFFERGOVDATA | <p>OFFERGOVDATA sets out reoffers of governor (6 and 60 second FCAS) availability.</p> |
| OFFERULOADINGDATA | <p>OFFERULOADINGDATA shows reoffers of rapid unit loading capability.</p> |
| OFFERUNLOADINGDATA | <p>OFFERUNLOADINGDATA shows reoffers of rapid unit unloading capability.</p> |
| PASACASESOLUTION | <p>PASACASESOLUTION sets out ST PASA case listing providing details of each STPASA case run.</p> |
| PASACONSTRAINTSOLUTION | <p>PASACONSTRAINTSOLUTION records the latest binding STPASA constraint details for each period. For each solution, the latest recalculation for each period overwrites the previous entry.</p> |
| PASAINTERCONNECTORSOLUTION | <p>PASAINTERCONNECTORSOLUTION records ST PASA</p> |

| | |
|---------------------------|--|
| N | interconnector solutions for the latest period. |
| PASAREGIONSOLUTION | PASAREGIONSOLUTION shows the Regional solution for ST PASA showing reserves for each half-hour period. This table (PASAREGIONSOLUTION_D) shows the latest calculated result for each period. |
| PEROFFER | PEROFFER contains the half-hourly period details of daily bids and rebids, to be used in conjunction with DAYOFFER. These views provide period varying details such as rate of change up (ROCUP), rate of change down (ROCDOWN) and band quantities (BANDAVAIL from 1 to 10). PEROFFER is a child table of DAYOFFER. |
| PEROFFER_D | PEROFFER_D contains the half-hourly period details of daily bids and rebids, to be used in conjunction with DAYOFFER_D. These views provide period varying details such as rate of change up (ROCUP), rate of change down (ROCDOWN) and band quantities (BANDAVAIL from 1 to 10). PEROFFER_D is a child table of DAYOFFER_D. |
| PREDISPATCHBIDTRK | PREDISPATCHBIDTRK contains an audit trail of bids used in each predispatch run. Where predispatch is over 2 days, two bids are listed. |
| REALLOCATIONDETAILS | REALLOCATIONDETAILS sets out specific reallocation agreements. |
| REALLOCATIONINTERVALS | REALLOCATIONINTERVALS identifies the the reallocation agreement and provides the corresponding reallocation profiles submitted by the participant and accepted by AEMO |
| REALLOCATIONS | REALLOCATIONS shows reallocation agreement identifiers with corresponding start and end dates of submitted reallocations as accepted by AEMO. |
| REGIONFCASRELAXATION_OCD | REGIONFCASRELAXATION_OCD contains details of regional FCAS requirements relaxed in the over-constrained dispatch (OCD) re-run (if there was one). Note: INTERVENTION is not included in REGIONFCASRELAXATION_OCD since the relaxation of the FCAS requirement is the same amount in both intervened and non-intervened cases. |
| SET_CSP_DEROGATION_AMOUNT | A settlement table for the publication of Snowy CSP derogation amounts. |

| | |
|--------------------------------|---|
| SET_CSP_SUPPORTDATA_CONSTRAINT | A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes the constraint-level information for each five minute interval in the settlement run |
| SET_CSP_SUPPORTDATA_ENERGYDIFF | A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes energy differential information for each half-hour interval in the settlement run |
| SET_CSP_SUPPORTDATA_SUBPRICE | A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes substitution price information for each five minute interval in the settlement run |
| SET_MR_PAYMENT | SET_MR_PAYMENT shows trading interval payments on a dispatchable unit basis for accepted MR capacity. |
| SET_MR_RECOVERY | SET_MR_RECOVERY shows the trading interval recovery charges on a dispatchable unit basis for spot market income from dispatch of MR capacity. |
| SETAGCPAYMENT | SETAGCPAYMENT sets out specific payment details for Automatic Generation Control (AGC) services by period. |
| SETAGCRECOVERY | SETAGCRECOVERY shows reimbursements for Automatic Generation Control (AGC) Ancillary Services to be recovered from participants. |
| SETAPCCOMPENSATION | SETAPCCOMPENSATION shows Administered Price Cap (APC) compensation payments for each period. |
| SETAPCRECOVERY | SETAPCRECOVERY shows reimbursements for Administered Price Cap (APC) to be recovered from participants. |
| SETFCASCOMP | SETFCASCOMP shows the compensation details for Frequency Controlled Ancillary Services (FCAS). These compensation values are calculated by a separate "what if" run of the LP Solver and entered as an unconstrained MW value into settlements. |
| SETFCASRECOVERY | SETFCASRECOVERY shows reimbursements for the Frequency Control Ancillary Services compensation. |
| SETGOVPAYMENT | SETGOVPAYMENT shows specific payment details for Governor services by period. |
| SETGOVRECOVERY | SETGOVRECOVERY shows reimbursements for the Governor Ancillary Services to be recovered from participants. |
| SETINTERVENTION | SETINTERVENTION shows intervention settlement payment details by unit. |
| SETINTERVENTIONRECOVERY | SETINTERVENTIONRECOVERY shows intervention recovery details by participant. |
| SETIRFMRECOVERY | SETIRFMRECOVERY sets out reimbursements for Industrial |

| | |
|-----------------------|---|
| | Relations Force Majeure to be recovered from participants. |
| SETLUNLOADPAYMENT | SETLUNLOADPAYMENT shows specific payment details for rapid unit load services by period. |
| SETLUNLOADRECOVERY | SETLUNLOADRECOVERY shows reimbursements for rapid-unit-load Ancillary Services to be recovered from participants. |
| SETLUNLOADPAYMENT | SETLUNLOADPAYMENT shows specific payment details for rapid unit unload service. |
| SETLUNLOADRECOVERY | SETLUNLOADRECOVERY shows reimbursements for rapid unit unloading Ancillary Services to be recovered from participants. |
| SETRESERVETRADER | SETRESERVETRADER shows reserve trader details. |
| SETVICBOUNDARYENERGY | SETVICBOUNDARYENERGY is as requested by Participants for the settlement of Victorian Vesting contracts. |
| SETVICENERGYFIGURES | SETVICENERGYFIGURES is used in settlement of Victorian Vesting contracts. |
| SETVICENERGYFLOW | SETVICENERGYFLOW is used in settlement of Victorian Vesting contracts. |
| STPASA_SYSTEMSOLUTION | STPASA_SYSTEMSOLUTION is obsolete from 2005 End of Year Release. For solution information, see Region solution tables. STPASA_SYSTEMSOLUTION showed the results of the system capacity evaluations for each interval of the study. |
| STPASA_UNITSOLUTION | STPASA_UNITSOLUTION shows the unit results from the capacity evaluations for each period of the study. |
| TRADINGLOAD | TRADINGLOAD shows half-hourly average dispatch levels, including fields to handle the Ancillary Services functionality. |
| TRADINGREGIONSUM | TRADINGREGIONSUM sets out the half-hourly average regional demand and frequency control services. TRADINGREGIONSUM includes fields for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations. |

29.2 Diagram: Entities: Historical Tables

These are not shown as the
tables are no longer used

29.3 Table: APCCOMP

29.3.1 APCCOMP

Name APCCOMP

Comment APCCOMP is to set out Administered Price Cap (APC) compensation periods for a participant.

29.3.2 Description

APCCOMP is public data, and is available to all participants.

Source

APCCOMP is empty until an Administered Price Cap event occurs.

Not in use - never used

29.3.3 Primary Key Columns

Name

APCID

29.3.4 Index Columns

Name

LASTCHANGED

29.3.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|--------------------------------|
| APCID | VARCHAR2(10) | X | APC event identifier. |
| REGIONID | VARCHAR2(10) | | Region |
| STARTDATE | DATE | | Settlement start date |
| STARTPERIOD | NUMBER(3,0) | | Settlement start period (1-48) |
| ENDDATE | DATE | | Settlement end date |

| | | | |
|-------------|-------------|--|-----------------------------------|
| ENDPERIOD | NUMBER(3,0) | | Settlement end period (1-48) |
| LASTCHANGED | DATE | | Last date and time record changed |

29.4 Table: APCCOMPAMOUNT

29.4.1 APCCOMPAMOUNT

| | |
|---------|---|
| Name | APCCOMPAMOUNT |
| Comment | APCCOMPAMOUNT shows the Administered Price Cap (APC) compensation amount. |

29.4.2 Description

Confidential to participants.

Source

Updated with settlement positive and issued with daily data.

Not in use - never used

29.4.3 Primary Key Columns

Name
APCID
PARTICIPANTID
PERIODID
VERSIONNO

29.4.4 Index Columns

Name
LASTCHANGED

29.4.5 Content

| Name | Data Type | Mandatory | Comment |
|-------|--------------|-----------|----------------|
| APCID | VARCHAR2(10) | X | APC Identifier |

| | | | |
|---------------|--------------|---|---|
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| VERSIONNO | NUMBER(3,0) | X | Version number |
| PERIODID | NUMBER(6,0) | X | Offset from start date and period in APCCOMP table. |
| AMOUNT | NUMBER(15,5) | | Compensation audit. |
| LASTCHANGED | DATE | | Last date and time record changed |

29.5 Table: APCCOMPAMOUNTTRK

29.5.1 APCCOMPAMOUNTTRK

| | |
|---------|---|
| Name | APCCOMPAMOUNTTRK |
| Comment | APCCOMPAMOUNTTRK sets out the relevant Administered Price Cap (APC) period for compensation purposes. Use the APCCOMPAMOUNTTRK table in conjunction with APCAMOUNT. |

29.5.2 Description

Public

Source

Updated with settlement posting and issued with daily data.

29.5.3 Primary Key Columns

| |
|-----------|
| Name |
| APCID |
| VERSIONNO |

29.5.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.5.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|-----------------|
| APCID | VARCHAR2(10) | X | APC Identifier |
| VERSIONNO | NUMBER(3,0) | X | Version number |
| AUTHORISED BY | VARCHAR2(10) | | Authorised by |
| AUTHORISED DATE | DATE | | Authorised date |

| | | | |
|-------------|------|--|-----------------------------------|
| LASTCHANGED | DATE | | Last date and time record changed |
|-------------|------|--|-----------------------------------|

29.6 Table: BIDPEROFFER

29.6.1 BIDPEROFFER

| | |
|---------|--|
| Name | BIDPEROFFER |
| Comment | BIDPEROFFER shows period-based Energy and Ancillary Service bid data. BIDPEROFFER is a child table of BIDDAYOFFER. |

29.6.2 Description

The new ancillary service arrangements require availability and prices for each Frequency Control Ancillary Service to be bid on a similar basis to energy. Three new tables facilitate ancillary service bidding. The new tables (BIDOFFERFILETRK, BIDDAYOFFER and BIDPEROFFER) are similar in structure to energy bidding tables (OFFERFILETRK, DAYOFFER and PEROFFER). The significant differences with the new tables are:

- The OFFERDATE field reflects the time the bid was loaded and this field alone provides the key for versioning of bids. The VERSIONNO field is retained for participant use as information only.
- The new tables support bids for multiple services. The BIDTYPE field defines the service to which the bid applies.
- There are no default bids. In the absence of a bid for a specific settlement date, the latest bid submitted for a previous settlement date applies.

BIDPEROFFER data is confidential to the submitting participant until made public after 4am the next day.

Source

BIDPEROFFER updates as energy and ancillary service bids are processed. BIDPEROFFER includes all accepted energy and ancillary service bids.

Volume

Approximately 72,000,000 records per year

29.6.3 Primary Key Columns

- Name
- BIDTYPE
- DUID
- OFFERDATE
- PERIODID
- SETTLEMENTDATE

29.6.4 Index Columns

Name

LASTCHANGED

29.6.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |
| BIDTYPE | VARCHAR2(10) | X | Bid Type Identifier |
| SETTLEMENTDATE | DATE | X | Market date starting at 04:05 |
| OFFERDATE | DATE | X | Offer date |
| PERIODID | NUMBER(22,0) | X | Period ID |
| VERSIONNO | NUMBER(22,0) | | Version number of offer |
| MAXAVAIL | NUMBER(12,6) | | Maximum availability for this BidType in this period |
| FIXEDLOAD | NUMBER(12,6) | | Fixed unit output MW (Energy Bids Only) A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load) |
| ROCUF | NUMBER(6,0) | | MW/min for raise (Energy Bids Only) |
| ROCDOWN | NUMBER(6,0) | | MW/Min for lower (Energy Bids Only) |
| ENABLEMENTMIN | NUMBER(6,0) | | Minimum Energy Output (MW) at which this ancillary service becomes available (AS Only) |
| ENABLEMENTMAX | NUMBER(6,0) | | Maximum Energy Output (MW) at which this ancillary service can be supplied (AS Only) |
| LOWBREAKPOINT | NUMBER(6,0) | | Minimum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only) |
| HIGHBREAKPOINT | NUMBER(6,0) | | Maximum Energy Output (MW) at which the unit can provide the full availability (MAXAVAIL) for this ancillary service (AS Only) |

| | | | |
|------------------|--------------|--|---|
| | | | Only) |
| BANDAVAIL1 | NUMBER(22,0) | | Availability at price band 1 |
| BANDAVAIL2 | NUMBER(22,0) | | Availability at price band 2 |
| BANDAVAIL3 | NUMBER(22,0) | | Availability at price band 3 |
| BANDAVAIL4 | NUMBER(22,0) | | Availability at price band 4 |
| BANDAVAIL5 | NUMBER(22,0) | | Availability at price band 5 |
| BANDAVAIL6 | NUMBER(22,0) | | Availability at price band 6 |
| BANDAVAIL7 | NUMBER(22,0) | | Availability at price band 7 |
| BANDAVAIL8 | NUMBER(22,0) | | Availability at price band 8 |
| BANDAVAIL9 | NUMBER(22,0) | | Availability at price band 9 |
| BANDAVAIL10 | NUMBER(22,0) | | Availability at price band 10 |
| LASTCHANGED | DATE | | Last date and time record changed |
| PASAAVAILABILITY | NUMBER(12,0) | | Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours |
| MR_CAPACITY | NUMBER(6,0) | | Mandatory Restriction Offer amount |

29.7 Table: BILLADJUSTMENTS

29.7.1 BILLADJUSTMENTS

Name BILLADJUSTMENTS

Comment

29.7.2 Description

BILLADJUSTMENTS is confidential, and is available only to the relevant participant.

Source

Ad hoc

29.7.3 Primary Key Columns

Name

ADJBILLRUNNO

ADJCONTRACTYEAR

ADJWEEKNO

CONTRACTYEAR

PARTICIPANTID

WEEKNO

29.7.4 Index Columns

Name

LASTCHANGED

29.7.5 Index Columns

Name

PARTICIPANTID

29.7.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | |
| BILLRUNNO | NUMBER(3,0) | | The sequential number of a billing run |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| PARTICIPANTTYPE | VARCHAR2(10) | | Participant type Generator/Customer |
| ADJCONTRACTYEAR | NUMBER(4,0) | X | The contract year of the new revised billing run for this adjustment |
| ADJWEEKNO | NUMBER(3,0) | X | Week number of the new revised billing run for this adjustment |
| ADJBILLRUNNO | NUMBER(3,0) | X | Billing run number of the new revised billing run for this adjustment |
| PREVAMOUNT | NUMBER(16,6) | | Prior account |
| ADJAMOUNT | NUMBER(16,6) | | The total bill figure for the new revised billing run |
| LASTCHANGED | DATE | | |
| LRS | NUMBER(15,5) | | |
| PRS | NUMBER(15,5) | | |
| OFS | NUMBER(15,5) | | |
| IRN | NUMBER(15,5) | | Interest rate applying to the new amount |
| IRP | NUMBER(15,5) | | Interest rate applying to the principal amount |
| INTERESTAMOUNT | NUMBER(15,5) | | The total interest payable for this adjustment |

29.8 Table: BILLING_CSP_DEROGATION_AMOUNT

29.8.1 BILLING_CSP_DEROGATION_AMOUNT

| | |
|---------|--|
| Name | BILLING_CSP_DEROGATION_AMOUNT |
| Comment | CSP derogation amounts with respect to participant allocated payment |

29.8.2 Description

Source

BILLING_CSP_DEROGATION_AMOUNT is populated by the posting of a billing run.

Volume

An indicative maximum is one record inserted per billing run, or 11 records inserted per week.

29.8.3 Primary Key Columns

Name

AMOUNT_ID

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

WEEKNO

29.8.4 Index Columns

Name

LASTCHANGED

29.8.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-----------|-----------|-----------------------|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week number |

| | | | |
|-------------------|--------------|---|--|
| BILLRUNNO | NUMBER(3) | X | Billing run number |
| PARTICIPANTID | VARCHAR2(10) | X | The participant allocated the payment amount for the derogation |
| AMOUNT_ID | VARCHAR2(20) | X | Amount identifier represented as a string, from "ta1" through to "ta6" (or "ta8" for a lymmco derogation result) |
| DEROGATION_AMOUNT | NUMBER(18,8) | | Derogation amount associated with the amount identifier |
| LASTCHANGED | DATE | | Last changed date for the record |

29.9 Table: BILLING_MR_PAYMENT

29.9.1 BILLING_MR_PAYMENT

| | |
|---------|---|
| Name | BILLING_MR_PAYMENT |
| Comment | BILLING_MR_PAYMENT shows aggregate payments on a dispatchable unit/MR Event basis for accepted MR capacity |

29.9.2 Description

BILLING_MR_PAYMENT data is confidential, and is available only to the relevant participant.

Source

Ad hoc - MR events only.

Volume

3500 rows per year

29.9.3 Primary Key Columns

Name
BILLRUNNO
CONTRACTYEAR
DUID
MR_DATE
REGIONID
WEEKNO

29.9.4 Index Columns

Name
LASTCHANGED

29.9.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|---------------|--------------|---|--|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | Billing Week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing Run number |
| MR_DATE | DATE | X | Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date |
| REGIONID | VARCHAR2(10) | X | Unique Region Identifier |
| PARTICIPANTID | VARCHAR2(10) | | Unique Participant identifier |
| DUID | VARCHAR2(10) | X | Unique identifier for DUID / MNSP LinkID |
| MR_AMOUNT | NUMBER(16,6) | | Payment amount by AEMO |
| LASTCHANGED | DATE | | Date/Time record inserted/modified |

29.10 Table: BILLING_MR_RECOVERY

29.10.1 BILLING_MR_RECOVERY

| | |
|---------|---|
| Name | BILLING_MR_RECOVERY |
| Comment | BILLING_MR_RECOVERY shows aggregate recovery charges on a dispatchable unit / MR Event basis for spot market income from dispatch of MR capacity. |

29.10.2 Description

BILLING_MR_RECOVERY data is confidential, and is available only to the relevant participant.

Source

Ad hoc - MR events only.

Volume

3500 rows per year

29.10.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 DUID
 MR_DATE
 REGIONID
 WEEKNO

29.10.4 Index Columns

Name
 LASTCHANGED

29.10.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|---------------|--------------|---|--|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | Billing Week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing Run number |
| MR_DATE | DATE | X | Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date |
| REGIONID | VARCHAR2(10) | X | Unique Region Identifier |
| PARTICIPANTID | VARCHAR2(10) | | Unique Participant identifier |
| DUID | VARCHAR2(10) | X | Unique identifier for DUID / MNSP LinkID |
| MR_AMOUNT | NUMBER(16,6) | | Payment amount to AEMO |
| LASTCHANGED | DATE | | Date/Time record inserted/modified |

29.11 Table: BILLING_MR_SHORTFALL

29.11.1 BILLING_MR_SHORTFALL

| | |
|---------|--|
| Name | BILLING_MR_SHORTFALL |
| Comment | BILLING_MR_SHORTFALL shows aggregate MR shortfall payments (or recovery charges) to each participant in the region for the MR event. |

29.11.2 Description

BILLING_MR_SHORTFALL data is confidential, and is available only to the relevant participant.

Source

Ad hoc - MR events only.

Volume

400 rows per year.

29.11.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

MR_DATE

PARTICIPANTID

REGIONID

WEEKNO

29.11.4 Index Columns

Name

LASTCHANGED

29.11.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|---------------|--------------|---|--|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing Contract Year |
| WEEKNO | NUMBER(3,0) | X | Billing Week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing Run number |
| MR_DATE | DATE | X | Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date |
| REGIONID | VARCHAR2(10) | X | Unique Region Identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Unique Participant Identifier |
| AGE | NUMBER(16,6) | | The adjusted gross energy for the market customer in the restricted region for the duration of the mandatory restriction event (MWh) |
| RSA | NUMBER(16,6) | | Restriction Shortfall amount payable to AEMO for a mandatory restriction period |
| LASTCHANGED | DATE | | Date/Time record inserted/modified |

29.12 Table: BILLING_MR_SUMMARY

29.12.1 BILLING_MR_SUMMARY

| | |
|---------|--|
| Name | BILLING_MR_SUMMARY |
| Comment | BILLING_MR_SUMMARY shows aggregate payment/recovery and shortfall figures for an MR Event. |

29.12.2 Description

BILLING_MR_SUMMARY data is public to all participants.

Source

Ad hoc - MR events only.

Volume

200 rows per year.

29.12.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 MR_DATE
 REGIONID
 WEEKNO

29.12.4 Index Columns

Name
 LASTCHANGED

29.12.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|-----------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | Billing Contract Year |

| | | | |
|----------------|--------------|---|--|
| WEEKNO | NUMBER(3,0) | X | Billing Week number |
| BILLRUNNO | NUMBER(3,0) | X | Billing Run number |
| MR_DATE | DATE | X | Trading Date of Mandatory Restriction event; Mandatory Restriction imposition date |
| REGIONID | VARCHAR2(10) | X | Unique Region Identifier |
| TOTAL_PAYMENTS | NUMBER(16,6) | | Total payments by AEMO |
| TOTAL_RECOVERY | NUMBER(16,6) | | Total payments to AEMO |
| TOTAL_RSA | NUMBER(16,6) | | Total Restriction Shortfall Amount |
| AAGE | NUMBER(16,6) | | The aggregate of then adjusted gross energy of all the market customer in the restricted region for the duration of the mandatory restriction period (MWh) |
| LASTCHANGED | DATE | | Date/Time record inserted/modified |

29.13 Table: BILLING_RES_TRADER_PAYMENT

29.13.1 BILLING_RES_TRADER_PAYMENT

| | |
|---------|---|
| Name | BILLING_RES_TRADER_PAYMENT |
| Comment | Billing result table for reserve trader contract payments |

29.13.2 Primary Key Columns

| |
|---------------|
| Name |
| BILLRUNNO |
| CONTRACTID |
| CONTRACTYEAR |
| PARTICIPANTID |
| PAYMENT_TYPE |
| WEEKNO |

29.13.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week number |
| BILLRUNNO | NUMBER(3) | X | Billing run number |
| CONTRACTID | VARCHAR2(20) | X | Reserve trader contract identifier |
| PAYMENT_TYPE | VARCHAR2(40) | X | Payment type for the reserve trader contract payment amount |
| PARTICIPANTID | VARCHAR2(20) | X | Participant identifier associated with the contract |
| PAYMENT_AMOUNT | NUMBER(18,8) | | Payment amount to the participant |

29.14 Table: BILLING_RES_TRADER_RECOVERY

29.14.1 BILLING_RES_TRADER_RECOVERY

| | |
|---------|---|
| Name | BILLING_RES_TRADER_RECOVERY |
| Comment | Billing result table for reserve trader contract recovery |

29.14.2 Primary Key Columns

| |
|---------------|
| Name |
| BILLRUNNO |
| CONTRACTYEAR |
| PARTICIPANTID |
| REGIONID |
| WEEKNO |

29.14.3 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|---|
| CONTRACTYEAR | NUMBER(4) | X | Billing contract year |
| WEEKNO | NUMBER(3) | X | Billing week number |
| BILLRUNNO | NUMBER(3) | X | Billing run number |
| REGIONID | VARCHAR2(20) | X | Region id for the aggregated recovery amount |
| PARTICIPANTID | VARCHAR2(20) | X | Participant identifier |
| RECOVERY_AMOUNT | NUMBER(18,8) | | Payment amount to be recovered from the participant |

29.15 Table: BILLINGCPSUM

29.15.1 BILLINGCPSUM

Name BILLINGCPSUM

Comment BILLINGCPSUM shows adjustments for a billing run by participant.

29.15.2 Description

BILLINGCPSUM data is confidential to the relevant participant.

Source

Weekly update with billing run.

29.15.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

PARTICIPANTTYPE

WEEKNO

29.15.4 Index Columns

Name

LASTCHANGED

29.15.5 Index Columns

Name

PARTICIPANTID

29.15.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| PARTICIPANTTYPE | VARCHAR2(10) | X | Participant type Generator/Customer |
| PREVIOUSAMOUNT | NUMBER(16,6) | | Previous amount billed |
| ADJUSTEDAMOUNT | NUMBER(16,6) | | Adjusted amount billed |
| ADJUSTMENTWEEKNO | NUMBER(3,0) | | Week no of adjustment |
| ADJUSTMENTRUNNO | NUMBER(3,0) | | Run no of adjustment |
| LASTCHANGED | DATE | | Last date and time record changed |

29.16 Table: BILLINGCUSTEXCESSGEN

29.16.1 BILLINGCUSTEXCESSGEN

| | |
|---------|---|
| Name | BILLINGCUSTEXCESSGEN |
| Comment | BILLINGCUSTEXCESSGEN shows excess generation payments for each participant cutover. |

29.16.2 Description

Source

Obsolete; was updated with relevant settlement runs.

29.16.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

WEEKNO

29.16.4 Index Columns

Name

LASTCHANGED

29.16.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---------------------------------------|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in |

| | | | |
|------------------|--------------|---|--|
| | | | week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| PERIODID | NUMBER(3,0) | X | Half hourly trading period that excess generation is for |
| EXCESSGENPAYMENT | NUMBER(16,6) | | Payment by Customer for Excess Generation |
| LASTCHANGED | DATE | | Last date and time record changed |
| REGIONID | VARCHAR2(10) | X | Region Identifier |

29.17 Table: BILLINGEXCESSGEN

29.17.1 BILLINGEXCESSGEN

Name BILLINGEXCESSGEN

Comment BILLINGEXCESSGEN shows the excess generation cost by period for each participant.

29.17.2 Description

Source

Obsolete; was updated weekly with each billing run.

29.17.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

WEEKNO

29.17.4 Index Columns

Name

LASTCHANGED

29.17.5 Index Columns

Name

PARTICIPANTID

29.17.6 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| SETTLEMENTDATE | DATE | X | Calendar settlement date record becomes effective |
| PERIODID | NUMBER(3,0) | X | Settlement interval within the settlement date (1-48) starting at 00:30 |
| EXCESSENERGYCOST | NUMBER(15,5) | | Cost of excess energy attributed to this customer |
| LASTCHANGED | DATE | | Last date and time record changed |
| REGIONID | VARCHAR2(10) | X | Region Identifier |

29.18 Table: BILLINGINTERVENTION

29.18.1 BILLINGINTERVENTION

| | |
|---------|--|
| Name | BILLINGINTERVENTION |
| Comment | BILLINGINTERVENTION shows billing intervention recovery details. |

29.18.2 Description

BILLINGINTERVENTION is confidential to the relevant participant.

Source

Updated when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

29.18.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 WEEKNO

29.18.4 Index Columns

Name
 LASTCHANGED

29.18.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|--|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |

| | | | |
|--------------------|--------------|---|---|
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| MARKETINTERVENTION | NUMBER(15,5) | | Intervention Amounts paid to Generator for Market Recovery for region |
| TOTALINTERVENTION | NUMBER(15,5) | | Total Intervention Amounts paid to Generator |
| LASTCHANGED | DATE | | Last date and time record changed |

29.19 Table: BILLINGINTERVENTIONREGION

29.19.1 BILLINGINTERVENTIONREGION

| | |
|---------|---|
| Name | BILLINGINTERVENTIONREGION |
| Comment | BILLINGINTERVENTIONREGION shows recovery charges for region intervention. |

29.19.2 Description

BILLINGINTERVENTIONREGION is confidential to the relevant participant.

Source

BILLINGINTERVENTIONREGION is updated with relevant settlement runs, such as containing an Administered Price Cap. BILLINGINTERVENTIONREGION is empty until such an event occurs.

29.19.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 REGIONID
 WEEKNO

29.19.4 Index Columns

Name
 LASTCHANGED

29.19.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |

| | | | |
|--------------------|--------------|---|--|
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| REGIONID | VARCHAR2(10) | X | Region ID |
| REGIONINTERVENTION | NUMBER(15,5) | | Recovery amount for that region |
| LASTCHANGED | DATE | | Last changed date |

29.20 Table: BILLINGRESERVERECOVERY

29.20.1 BILLINGRESERVERECOVERY

| | |
|---------|--|
| Name | BILLINGRESERVERECOVERY |
| Comment | BILLINGRESERVERECOVERY shows Market Reserve recovery details for each participant in a bill run. |

29.20.2 Description

BILLINGRESERVERECOVERY data is Confidential to participant.

Source

BILLINGRESERVERECOVERY updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. BILLINGRESERVERECOVERY is empty until such an event occurs.

29.20.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 WEEKNO

29.20.4 Index Columns

Name
 LASTCHANGED

29.20.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week |

| | | | |
|---------------|--------------|---|--|
| | | | no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| MARKETRESERVE | NUMBER(15,5) | | Amount Retailer pays for Reserve Trader Contracts with Market Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |

29.21 Table: BILLINGRESERVEREGIONRECOVERY

29.21.1 BILLINGRESERVEREGIONRECOVERY

| | |
|---------|---|
| Name | BILLINGRESERVEREGIONRECOVERY |
| Comment | BILLINGRESERVEREGIONRECOVERY shows Billing Region Reserve region recovery details for each participant (by region). |

29.21.2 Description

BILLINGRESERVEREGIONRECOVERY data is confidential to the relevant participant.

Source

BILLINGRESERVEREGIONRECOVERY updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

29.21.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

29.21.4 Index Columns

Name

LASTCHANGED

29.21.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week |

| | | | |
|---------------|--------------|---|--|
| | | | no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier for region recovery. |
| REGIONRESERVE | NUMBER(15,5) | | Amount Retailer pays for Reserve Trader Contracts with Region Recovery |
| LASTCHANGED | DATE | | |

29.22 Table: BILLINGRESERVETRADER

29.22.1 BILLINGRESERVETRADER

| | |
|---------|---|
| Name | BILLINGRESERVETRADER |
| Comment | BILLINGRESERVETRADER shows Billing Market Reserve TRADER payment details to Generators. |

29.22.2 Description

BILLINGRESERVETRADER data is Confidential to the relevant participant.

Source

BILLINGRESERVETRADER updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

29.22.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 WEEKNO

29.22.4 Index Columns

Name
 LASTCHANGED

29.22.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week |

| | | | |
|--------------------|--------------|---|--|
| | | | no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| MARKETRESERVE | NUMBER(15,5) | | Reserve Trader Amounts paid to Generator for Market Recovery |
| TOTALRESERVE | NUMBER(15,5) | | Total Reserve Trader Amounts paid to Generator |
| LASTCHANGED | DATE | | Last date and time record changed |
| TOTALCAPDIFFERENCE | NUMBER(15,5) | | |

29.23 Table: BILLINGRESERVETRADERREGION

29.23.1 BILLINGRESERVETRADERREGION

| | |
|---------|---|
| Name | BILLINGRESERVETRADERREGION |
| Comment | BILLINGRESERVETRADERREGION shows Billing Region Reserve Trader payment details. |

29.23.2 Description

BILLINGRESERVETRADERREGION data is confidential to the relevant participant.

Source

BILLINGRESERVETRADERREGION updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

29.23.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 REGIONID
 WEEKNO

29.23.4 Index Columns

Name
 LASTCHANGED

29.23.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |

| | | | |
|---------------|--------------|---|--|
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| REGIONRESERVE | NUMBER(15,5) | | Reserve Trader Amounts paid to Generator for Region Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |

29.24 Table: BILLINGSMELTERREDUCTION

29.24.1 BILLINGSMELTERREDUCTION

| | |
|---------|---|
| Name | BILLINGSMELTERREDUCTION |
| Comment | BILLINGSMELTERREDUCTION shows the smelter reduction payment (only applies to participants with Victorian customer connection points). |

29.24.2 Description

BILLINGSMELTERREDUCTION data is confidential to the relevant participant.

Source

BILLINGSMELTERREDUCTION is populated by the posting of a billing run where the participant has Victorian customer connectionpoints.

Volume

One record inserted per billing run, or 11 records inserted per week.

29.24.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 WEEKNO

29.24.4 Index Columns

Name
 PARTICIPANTID

29.24.5 Index Columns

Name
 LASTCHANGED

29.24.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| CONTRACTYEAR | NUMBER(22,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(22,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(22,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| RATE1 | NUMBER(15,6) | | Rate in \$/MWh |
| RA1 | NUMBER(15,6) | | Payment |
| RATE2 | NUMBER(15,6) | | Rate in \$/MWh |
| RA2 | NUMBER(15,6) | | Payment |
| TE | NUMBER(15,6) | | Tabulated Energy |
| PCSD | NUMBER(15,6) | | Victorian Demand as defined by Code Chapter 9 definitions |
| LASTCHANGED | DATE | | Last date and time record changed |

29.25 Table: BILLINTERVENTIONRECOVERY

29.25.1 BILLINTERVENTIONRECOVERY

| | |
|---------|---|
| Name | BILLINTERVENTIONRECOVERY |
| Comment | BILLINTERVENTIONRECOVERY shows billing market intervention recovery details for each participant. |

29.25.2 Description

BILLINTERVENTIONRECOVERY data is confidential to the relevant participant.

Source

BILLINTERVENTIONRECOVERY updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

29.25.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 PARTICIPANTID
 WEEKNO

29.25.4 Index Columns

Name
 LASTCHANGED

29.25.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week |

| | | | |
|--------------------|--------------|---|--|
| | | | no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| MARKETINTERVENTION | NUMBER(15,5) | | Amount Retailer pays for Intervention with Market Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |

29.26 Table: BILLINTERVENTIONREGIONRECOVERY

29.26.1 BILLINTERVENTIONREGIONRECOVERY

| | |
|---------|---|
| Name | BILLINTERVENTIONREGIONRECOVERY |
| Comment | BILLINTERVENTIONREGIONRECOVERY shows billing region intervention recovery details for each participant by region. |

29.26.2 Description

BILLINTERVENTIONREGIONRECOVERY data is confidential to the relevant participant.

Source

BILLINTERVENTIONREGIONRECOVERY updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. View is empty until such an event occurs.

29.26.3 Primary Key Columns

Name

BILLRUNNO

CONTRACTYEAR

PARTICIPANTID

REGIONID

WEEKNO

29.26.4 Index Columns

Name

LASTCHANGED

29.26.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| CONTRACTYEAR | NUMBER(4,0) | X | AEMO Contract Year number starting in week containing 1st January |

| | | | |
|--------------------|--------------|---|--|
| WEEKNO | NUMBER(3,0) | X | Week no within the contract year. Week no 1 is the week containing 1st January |
| BILLRUNNO | NUMBER(3,0) | X | Unique run no within a given contract year and week no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| REGIONINTERVENTION | NUMBER(15,5) | | Amount retailer pays for intervention with Region Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |

29.27 Table: BILLSMELTERRATE

29.27.1 BILLSMELTERRATE

| | |
|---------|---|
| Name | BILLSMELTERRATE |
| Comment | BILLSMELTERRATE is standing data, setting out the rates used in smelter reduction calculations. |

29.27.2 Description

BILLSMELTERRATE is public data, and is available to all participants.

Source

BILLSMELTERRATE updates infrequently, when inserting new annual rates.

Volume

Two records inserted per year

29.27.3 Primary Key Columns

Name
 CONTRACTYEAR
 EFFECTIVEDATE
 VERSIONNO

29.27.4 Index Columns

Name
 LASTCHANGED

29.27.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-------------|-----------|---|
| EFFECTIVEDATE | DATE | X | Calendar settlement date record becomes effective |
| VERSIONNO | NUMBER(3,0) | X | Version no of the record for the given |

| | | | |
|----------------|--------------|---|---|
| | | | effective date |
| CONTRACTYEAR | NUMBER(22,0) | X | AEMO Contract Year number starting in week containing 1st January |
| RAR1 | NUMBER(6,2) | | Smelter rate 1 |
| RAR2 | NUMBER(6,2) | | Smelter rate 2 |
| AUTHORISEDDATE | DATE | | Authorised date |
| AUTHORISEDBY | VARCHAR2(10) | | Who authorised |
| LASTCHANGED | DATE | | Last date and time record changed |

29.28 Table: CONNECTIONPOINT

29.28.1 CONNECTIONPOINT

| | |
|---------|--|
| Name | CONNECTIONPOINT |
| Comment | CONNECTIONPOINT shows all valid connection points and their type. Transmission loss factors are available for all connection points in TRANSMISSIONLOSSFACTOR. |

29.28.2 Description

CONNECTIONPOINT data is confidential to each relevant participant

Source

CONNECTIONPOINT updates for new connection points as required.

29.28.3 Primary Key Columns

| | |
|------|-------------------|
| Name | CONNECTIONPOINTID |
|------|-------------------|

29.28.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

29.28.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| CONNECTIONPOINTID | VARCHAR2(10) | X | Connection Point Identifier |
| CONNECTIONPOINTNAME | VARCHAR2(80) | | Connection point full description |
| CONNECTIONPOINTTYPE | VARCHAR2(20) | | Connection point type. transmission, distribution, station, genunit, or interconnector |
| ADDRESS1 | VARCHAR2(80) | | Connection point location |

| | | | |
|-------------|--------------|--|-----------------------------------|
| ADDRESS2 | VARCHAR2(80) | | Connection point location |
| ADDRESS3 | VARCHAR2(80) | | Connection point location |
| ADDRESS4 | VARCHAR2(80) | | Not Used |
| CITY | VARCHAR2(40) | | City |
| STATE | VARCHAR2(10) | | State of Australia |
| POSTCODE | VARCHAR2(10) | | Post Code |
| LASTCHANGED | DATE | | Last date and time record changed |

29.29 Table: CONNECTIONPOINTDETAILS

29.29.1 CONNECTIONPOINTDETAILS

| | |
|---------|--|
| Name | CONNECTIONPOINTDETAILS |
| Comment | <p>CONNECTIONPOINTDETAILS is obsolete, since it was never populated by Participants accessing AEMO's Oracle Interface.</p> <p>CONNECTIONPOINTDETAILS was designed to show relevant details for each connection point including the responsible party, loss factor and relevant MDAs.</p> |

29.29.2 Description

CONNECTIONPOINTDETAILS data is confidential to each participant included in details.

Source

CONNECTIONPOINTDETAILS updates periodically, such as for Transmission Loss Factor (TLF) changes

29.29.3 Primary Key Columns

| | |
|-------------------|--|
| Name | |
| CONNECTIONPOINTID | |
| EFFECTIVEDATE | |
| VERSIONNO | |

29.29.4 Index Columns

| | |
|------------------------|--|
| Name | |
| METERDATAPROVIDER | |
| NETWORKSERVICEPROVIDER | |
| FINRESPORGAN | |

29.29.5 Index Columns

| | |
|-------------------|--|
| Name | |
| CONNECTIONPOINTID | |

29.29.6 Index Columns

Name

LASTCHANGED

29.29.7 Content

| Name | Data Type | Mandatory | Comment |
|------------------------|--------------|-----------|---|
| EFFECTIVEDATE | DATE | X | Effective date of record |
| VERSIONNO | NUMBER(3,0) | X | Version no of record for given effective date |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Connection point identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| TRANSMISSIONCPTID | VARCHAR2(10) | | Associated transmission connection point id for a distribution connection point |
| METERDATAPROVIDER | VARCHAR2(10) | | The MDA providing meter data for this connection point |
| TRANSMISSIONLOSSFACTOR | NUMBER(7,5) | | The transmission level loss factor for this connection point |
| DISTRIBUTIONLOSSFACTOR | NUMBER(7,5) | | The distribution level loss factor for a distribution connection point |
| NETWORKSERVICEPROVIDER | VARCHAR2(10) | | The Network Service Provider |
| FINRESPORGAN | VARCHAR2(10) | | Financially responsible organisation |
| NATIONALMETERINSTALLID | NUMBER(7,5) | | National Meter Id |
| AUTHORISEDDBY | VARCHAR2(15) | | User authorising record |
| AUTHORISEDDATE | DATE | | Date record authorised |
| LASTCHANGED | DATE | | Last date and time record changed |
| INUSE | VARCHAR2(1) | | Status flag. |
| LNSP | VARCHAR2(10) | | Local Electricity Network Service Provider |

| | | | |
|----------------|--------------|--|---|
| MDA | VARCHAR2(10) | | Metering Data Agent for connection point. |
| ROLR | VARCHAR2(10) | | Retailer of last resort. |
| RP | VARCHAR2(10) | | Responsible party. |
| AGGREGATEDDATA | VARCHAR2(1) | | Aggregate flag. |
| VALID_TODATE | DATE | | Date of validity. |
| LR | VARCHAR2(10) | | Local Retailer |

29.30 Table: CONNECTIONPOINTOPERATINGSTA

29.30.1 CONNECTIONPOINTOPERATINGSTA

| | |
|---------|--|
| Name | CONNECTIONPOINTOPERATINGSTA |
| Comment | CONNECTIONPOINTOPERATINGSTA shows whether a connection point is active or not. |

29.30.2 Description

CONNECTIONPOINTOPERATINGSTA data is confidential to each relevant participant.

Source

CONNECTIONPOINTOPERATINGSTA updates periodically with changes in connection point status, such as for Transmission Loss Factor (TLF) changes.

29.30.3 Primary Key Columns

| |
|-------------------|
| Name |
| CONNECTIONPOINTID |
| EFFECTIVEDATE |
| VERSIONNO |

29.30.4 Index Columns

| |
|-------------------|
| Name |
| CONNECTIONPOINTID |

29.30.5 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.30.6 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|-------------------|--------------|-----|-----------------------------------|
| EFFECTIVEDATE | DATE | X | Effective date of record |
| VERSIONNO | NUMBER(3,0) | X | |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Connection point identifier |
| OPERATINGSTATUS | VARCHAR2(16) | | Active or inactive indicator |
| AUTHORISEDDATE | DATE | | Date record authorised |
| AUTHORISEDBY | VARCHAR2(15) | | User authorising record |
| LASTCHANGED | DATE | | Last date and time record changed |

29.31 Table: CONTRACTGOVERNOR

29.31.1 CONTRACTGOVERNOR

| | |
|---------|--|
| Name | CONTRACTGOVERNOR |
| Comment | <p>CONTRACTGOVERNOR became unused when Ancillary Services Review was implemented in 2001. For more details, see Change Notice 126.</p> <p>CONTRACTGOVERNOR shows Governor contract details used in the settlement and dispatch of this service. Note services are dispatched as 6 and 60 raise and lower Frequency Control Ancillary Services (FCAS). Lower and raise 6 and 60 second fields are used in dispatch of services. Deadband and Droop details are used in settlements.</p> |

29.31.2 Description

Confidential to participant

Source

Not in Use - discontinued 30/09/2001: was updated only where there was a contract variation.

29.31.3 Primary Key Columns

Name
 CONTRACTID
 VERSIONNO

29.31.4 Index Columns

Name
 LASTCHANGED

29.31.5 Index Columns

Name
 PARTICIPANTID

29.31.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|--|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| VERSIONNO | NUMBER(3,0) | X | Contract Version No. |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | Termination Date of Contract |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| CCPRICE | NUMBER(10,2) | | Compensation Cap |
| LOWER60SECBREAKPOINT | NUMBER(9,6) | | Limit Equation Lower 60 Second Breakpoint MW |
| LOWER60SECMAX | NUMBER(9,6) | | Limit Equation Lower 60 Second Maximum MW |
| LOWER6SECBREAKPOINT | NUMBER(9,6) | | Limit Equation Lower 6 Second Breakpoint MW |
| LOWER6SECMAX | NUMBER(9,6) | | Limit Equation Lower 6 Second Maximum MW |
| RAISE60SECBREAKPOINT | NUMBER(9,6) | | Limit Equation Raise 60 Second Breakpoint MW |
| RAISE60SECCAPACITY | NUMBER(9,6) | | Limit Equation Raise 60 Second Capacity MW |
| RAISE60SECMAX | NUMBER(9,6) | | Limit Equation Raise 60 Second Maximum MW |
| RAISE6SECBREAKPOINT | NUMBER(9,6) | | Limit Equation Raise 6 Second Breakpoint MW |
| RAISE6SECCAPACITY | NUMBER(9,6) | | Limit Equation Raise 6 Second Capacity MW |
| RAISE6SECMAX | NUMBER(9,6) | | Limit Equation Raise 6 Second Maximum MW |
| PRICE6SECRAISEMANDATORY | NUMBER(16,6) | | Not used |
| QUANT6SECRAISEMANDATORY | NUMBER(16,6) | | Not used |

| | | | |
|--------------------------|--------------|--|--|
| RY | | | |
| PRICE6SECRAISECONTRACT | NUMBER(16,6) | | Contract Price for 6 Second Raise |
| QUANT6SECRAISECONTRACT | NUMBER(16,6) | | Contract Quantity for 6 Second Raise |
| PRICE60SECRAISEMANDATORY | NUMBER(16,6) | | Not used |
| QUANT60SECRAISEMANDATORY | NUMBER(16,6) | | Not used |
| PRICE60SECRAISECONTRACT | NUMBER(16,6) | | Contract Price for 60 Second Raise |
| QUANT60SECRAISECONTRACT | NUMBER(16,6) | | Contract Quantity for 60 Second Raise |
| PRICE6SECLOWERMANDATORY | NUMBER(16,6) | | Not used |
| QUANT6SECLOWERMANDATORY | NUMBER(16,6) | | Not used |
| PRICE6SECLOWERCONTRACT | NUMBER(16,6) | | Contract Price for 6 Second Lower |
| QUANT6SECLOWERCONTRACT | NUMBER(16,6) | | Contract Quantity for 6 Second Lower |
| PRICE60SECLOWERMANDATORY | NUMBER(16,6) | | Not used |
| QUANT60SECLOWERMANDATORY | NUMBER(16,6) | | Not used |
| PRICE60SECLOWERCONTRACT | NUMBER(16,6) | | Contract Price for 60 Second Lower |
| QUANT60SECLOWERCONTRACT | NUMBER(16,6) | | Contract Quantity for 60 Second Lower |
| DEADBANDUP | NUMBER(4,2) | | Raise Deadband |
| DEADBANDDOWN | NUMBER(4,2) | | Lower Deadband |
| DROOP6SECRAISEBREAKPOINT | NUMBER(9,6) | | Droop Equation Raise 6 Second Breakpoint |
| DROOP6SECRAISECAPACITY | NUMBER(9,6) | | Droop Equation Raise 6 Second Capacity |
| DROOP6SECRAISEMAX | NUMBER(9,6) | | Droop Equation Raise 6 Second Maximum |

| | | | |
|---------------------------|--------------|--|---|
| DROOP60SECRAISEBREAKPOINT | NUMBER(9,6) | | Droop Equation Raise 60 Second Breakpoint |
| DROOP60SECRAISECAPACITY | NUMBER(9,6) | | Droop Equation Raise 60 Second Capacity |
| DROOP60SECRAISEMAX | NUMBER(9,6) | | Droop Equation Raise 60 Second Maximum |
| DROOP6SECLOWERBREAKPOINT | NUMBER(9,6) | | Droop Equation Lower 6 Second Breakpoint |
| DROOP6SECLOWERMAX | NUMBER(9,6) | | Droop Equation Lower 6 Second Maximum |
| DROOP60SECLOWERBREAKPOINT | NUMBER(9,6) | | Droop Equation Lower 60 Second Breakpoint |
| DROOP60SECLOWERMAX | NUMBER(9,6) | | Droop Equation Lower 60 Second Maximum |
| AUTHORISED BY | VARCHAR2(15) | | User Name |
| AUTHORISED DATE | DATE | | Date Contract was authorised |
| LAST CHANGED | DATE | | Last date and time record changed |

29.32 Table: CONTRACTRESERVEFLAG

29.32.1 CONTRACTRESERVEFLAG

| | |
|---------|---|
| Name | CONTRACTRESERVEFLAG |
| Comment | CONTRACTRESERVEFLAG has never been or will be used. It was to show a period by period flag for regional or market recovery of reserve trading contract amounts. |

29.32.2 Description

CONTRACTRESERVEFLAG data is confidential to the relevant participant.

Source

CONTRACTRESERVEFLAG updates when we want to enter a reserve contract.

29.32.3 Primary Key Columns

Name
 CONTRACTID
 PERIODID
 VERSIONNO

29.32.4 Index Columns

Name
 LASTCHANGED

29.32.5 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|--|
| CONTRACTID | VARCHAR2(10) | X | Reserve Trader Contract Identifier |
| VERSIONNO | NUMBER(3,0) | X | Reserve Trader Contract Version |
| PERIODID | NUMBER(3,0) | X | Calendar settlement date period identifier, i.e. period 1 is 00:30 |

| | | | |
|-------------|---------|--|-----------------------------------|
| RCF | CHAR(1) | | Reserve Recovery Flag |
| LASTCHANGED | DATE | | Last date and time record changed |

29.33 Table: CONTRACTRESERVETHRESHOLD

29.33.1 CONTRACTRESERVETHRESHOLD

| | |
|---------|---|
| Name | CONTRACTRESERVETHRESHOLD |
| Comment | CONTRACTRESERVETHRESHOLD shows reserve contract threshold details for enabling, usage and availability thresholds and rates for reserve trader contracts. |

29.33.2 Description

CONTRACTRESERVETHRESHOLD data is confidential to the relevant participant.

Source

CONTRACTRESERVETHRESHOLD updates when reserve contracts are first entered or updated.

29.33.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |
| VERSIONNO |

29.33.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.33.5 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|----------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| VERSIONNO | NUMBER(3,0) | X | Contract Version |
| CRA | NUMBER(16,6) | | Availability Rate \$ |
| CRE | NUMBER(16,6) | | Enabling Rate \$ |
| CRU | NUMBER(16,6) | | Usage Rate \$ |

| | | | |
|-----------------|--------------|--|-----------------------------------|
| CTA | NUMBER(16,6) | | Availability Threshold MW/h |
| CTE | NUMBER(16,6) | | Enabling Threshold MW/h |
| CTU | NUMBER(16,6) | | Usage Threshold MW/h |
| AUTHORISED BY | VARCHAR2(15) | | User name |
| AUTHORISED DATE | DATE | | Date contract was authorised |
| LAST CHANGED | DATE | | Last date and time record changed |

29.34 Table: CONTRACTRESERVETRADER

29.34.1 CONTRACTRESERVETRADER

| | |
|---------|--|
| Name | CONTRACTRESERVETRADER |
| Comment | CONTRACTRESERVETRADER shows reserve trader contract details. Version numbers do not apply as contracts exist for specified purposes. |

29.34.2 Description

CONTRACTRESERVETRADER data is confidential to the relevant participant.

Source

CONTRACTRESERVETRADER updates when reserve trader activities occur.

29.34.3 Primary Key Columns

| | |
|------|------------|
| Name | CONTRACTID |
|------|------------|

29.34.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

29.34.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|---------------------------------------|
| CONTRACTID | VARCHAR2(10) | X | Reserve Trader Contract Identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | Terminate Date of contract |
| STARTPERIOD | NUMBER(3,0) | | Starting period of contract |
| ENDPERIOD | NUMBER(3,0) | | Terminate period of contract based on |

| | | | |
|----------------------|--------------|--|--|
| | | | calendar date. |
| DEREGISTRATIONDATE | DATE | | De-registration date of contract; Not Used |
| DEREGISTRATIONPERIOD | NUMBER(3,0) | | De-registration period of contract; Not Used |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| LASTCHANGED | DATE | | Last date and time record changed |
| REGIONID | VARCHAR2(10) | | Region Identifier |

29.35 Table: CONTRACTUNITLOADING

29.35.1 CONTRACTUNITLOADING

| | |
|---------|---|
| Name | CONTRACTUNITLOADING |
| Comment | <p>CONTRACTUNITLOADING became unused when Ancillary Services Review was implemented in 2001. For more details, see Change Notice 126.</p> <p>CONTRACTUNITLOADING shows Unit Loading contract details used in the settlement and dispatch of this service.</p> |

29.35.2 Description

CONTRACTUNITLOADING is confidential to participants.

Source

CONTRACTUNITLOADING is not in Use - discontinued 30/09/2001; was updated only where there was a contract variation.

29.35.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |
| VERSIONNO |

29.35.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.35.5 Index Columns

| |
|---------------|
| Name |
| PARTICIPANTID |

29.35.6 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|-----------------|--------------|---|---|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| VERSIONNO | NUMBER(3,0) | X | Contract Version No. |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | Termination Date of Contract |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| RPRICE | NUMBER(10,2) | | Enabling Price |
| SUPRICE | NUMBER(10,2) | | Usage Price |
| CCPRICE | NUMBER(10,2) | | Compensation Cap |
| ACR | NUMBER(10,2) | | Available Control Range |
| BS | NUMBER(10,2) | | Block Size of Unit |
| PP | NUMBER(10,2) | | Estimated Price for supply |
| EU | NUMBER(10,2) | | Estimated Power consumption of unit when enabled for RGUL |
| AUTHORISED BY | VARCHAR2(15) | | User Name |
| AUTHORISED DATE | DATE | | Date Contract was authorised |
| LASTCHANGED | DATE | | Last date and time record changed |

29.36 Table: CONTRACTUNITUNLOADING

29.36.1 CONTRACTUNITUNLOADING

| | |
|---------|---|
| Name | CONTRACTUNITUNLOADING |
| Comment | CONTRACTUNITUNLOADING shows Ancillary Service contract data for rapid generator unit unloading. |

29.36.2 Description

CONTRACTUNITUNLOADING data is confidential to relevant participants.

Source

CONTRACTUNITUNLOADING updates only where there is a contract variation.

29.36.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |
| VERSIONNO |

29.36.4 Index Columns

| |
|---------------|
| Name |
| PARTICIPANTID |

29.36.5 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.36.6 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|---------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |

| | | | |
|-----------------|--------------|---|-----------------------------------|
| VERSIONNO | NUMBER(3,0) | X | Contract Version No. |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | Termination Date of Contract |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| RPRICE | NUMBER(10,2) | | Enabling Price |
| SUPRICE | NUMBER(10,2) | | Usage Price |
| CCPRICE | NUMBER(10,2) | | Compensation Cap |
| AUTHORISED BY | VARCHAR2(15) | | User Name |
| AUTHORISED DATE | DATE | | Date Contract was Authorised |
| LASTCHANGED | DATE | | Last date and time record changed |

29.37 Table: DAYOFFER

29.37.1 DAYOFFER

| | |
|---------|---|
| Name | DAYOFFER |
| Comment | <p>DAYOFFER sets out the participants' daily components of participant bid containing details applying for the whole day (such as prices, daily energy constraint and fast start profiles).</p> <p>To retrieve full bid details, read in conjunction with PEROFFER.</p> |

29.37.2 Description

DAYOFFER data is confidential to the submitting participant until made public after 4am the next day. The table DAYOFFER_D is quite distinct, with same field names (see DAYOFFER_D).

29.37.3 Primary Key Columns

Name
 DUID
 OFFERDATE
 SETTLEMENTDATE
 VERSIONNO

29.37.4 Index Columns

Name
 LASTCHANGED

29.37.5 Index Columns

Name
 DUID
 LASTCHANGED

29.37.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:00am |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| VERSIONNO | NUMBER(3,0) | X | Version no. for given offer date |
| OFFERDATE | DATE | X | Offer date of data |
| SELFCOMMITFLAG | VARCHAR2(1) | | Not used |
| DAILYENERGYCONSTRAINT | NUMBER(12,6) | | Maximum energy available from Energy Constrained Plant. |
| ENTRYTYPE | VARCHAR2(20) | | Daily or Rebid |
| CONTINGENCYPRICE | NUMBER(9,2) | | Not used |
| REBIDEXPLANATION | VARCHAR2(64) | | Explanation for all rebids and inflexibilities |
| BANDQUANTISATIONID | NUMBER(2,0) | | Not used |
| PRICEBAND1 | NUMBER(9,2) | | Price for Availability Band 1 |
| PRICEBAND2 | NUMBER(9,2) | | Price for Availability Band 2 |
| PRICEBAND3 | NUMBER(9,2) | | Price for Availability Band 3 |
| PRICEBAND4 | NUMBER(9,2) | | Price for Availability Band 4 |
| PRICEBAND5 | NUMBER(9,2) | | Price for Availability Band 5 |
| PRICEBAND6 | NUMBER(9,2) | | Price for Availability Band 6 |
| PRICEBAND7 | NUMBER(9,2) | | Price for Availability Band 7 |
| PRICEBAND8 | NUMBER(9,2) | | Price for Availability Band 8 |
| PRICEBAND9 | NUMBER(9,2) | | Price for Availability Band 9 |
| PRICEBAND10 | NUMBER(9,2) | | Price for Availability Band 10 |
| MAXRAMPUP | NUMBER(9,2) | | Not used |
| MAXRAMPDOWN | NUMBER(9,2) | | Not used |
| MINIMUMLOAD | NUMBER(6,0) | | Minimum MW load fast start plant in MW |
| T1 | NUMBER(6,0) | | Time to synchronise in minutes |

| | | | |
|--------------|--------------|--|--|
| T2 | NUMBER(6,0) | | Time to minimum load in minutes |
| T3 | NUMBER(6,0) | | Time at minimum load in minutes |
| T4 | NUMBER(6,0) | | Time to shutdown in minutes |
| NORMALSTATUS | VARCHAR2(3) | | ON/OFF for loads |
| LASTCHANGED | DATE | | Last date and time record changed |
| MR_FACTOR | NUMBER(16,6) | | Mandatory Restriction Price Scaling Factor |

29.38 Table: DAYOFFER_D

29.38.1 DAYOFFER_D

| | |
|---------|--|
| Name | DAYOFFER_D |
| Comment | <p>DAYOFFER_D sets out the participants' daily components of participant bid containing just the latest details (such as prices, daily energy constraint and fast start profiles).</p> <p>To retrieve latest bid details, read in conjunction with PEROFFER_D.</p> |

29.38.2 Description

Not in Use - discontinued 16/11/2003

DAYOFFER data was confidential to the submitting participant until made public after 4am the next day.

The table DAYOFFER is quite distinct, with same field names (see DAYOFFER).

29.38.3 Primary Key Columns

Name
 DUID
 OFFERDATE
 SETTLEMENTDATE
 VERSIONNO

29.38.4 Index Columns

Name
 LASTCHANGED

29.38.5 Index Columns

Name
 DUID
 LASTCHANGED

29.38.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:00am |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| VERSIONNO | NUMBER(3,0) | X | Version no. for given offer date |
| OFFERDATE | DATE | X | Offer date of data |
| SELFCOMMITFLAG | VARCHAR2(1) | | Not used |
| DAILYENERGYCONSTRAINT | NUMBER(12,6) | | Maximum energy available from Energy Constrained Plant. |
| ENTRYTYPE | VARCHAR2(20) | | Daily or Rebid |
| CONTINGENCYPRICE | NUMBER(9,2) | | Not used |
| REBIDEXPLANATION | VARCHAR2(64) | | Explanation for all rebids and inflexibilities |
| BANDQUANTISATIONID | NUMBER(2,0) | | Not used |
| PRICEBAND1 | NUMBER(9,2) | | Price for Availability Band 1 |
| PRICEBAND2 | NUMBER(9,2) | | Price for Availability Band 2 |
| PRICEBAND3 | NUMBER(9,2) | | Price for Availability Band 3 |
| PRICEBAND4 | NUMBER(9,2) | | Price for Availability Band 4 |
| PRICEBAND5 | NUMBER(9,2) | | Price for Availability Band 5 |
| PRICEBAND6 | NUMBER(9,2) | | Price for Availability Band 6 |
| PRICEBAND7 | NUMBER(9,2) | | Price for Availability Band 7 |
| PRICEBAND8 | NUMBER(9,2) | | Price for Availability Band 8 |
| PRICEBAND9 | NUMBER(9,2) | | Price for Availability Band 9 |
| PRICEBAND10 | NUMBER(9,2) | | Price for Availability Band 10 |
| MAXRAMPUP | NUMBER(9,2) | | Not used |
| MAXRAMPDOWN | NUMBER(9,2) | | Not used |
| MINIMUMLOAD | NUMBER(6,0) | | Minimum MW load fast start plant in MW |

| | | | |
|--------------|-------------|--|--|
| T1 | NUMBER(6,0) | | Time to synchronise in minutes |
| T2 | NUMBER(6,0) | | Time to minimum load in minutes |
| T3 | NUMBER(6,0) | | Time at minimum load in minutes |
| T4 | NUMBER(6,0) | | Time to shutdown in minutes |
| NORMALSTATUS | VARCHAR2(3) | | ON/OFF for loads |
| LASTCHANGED | DATE | | Last date and time record changed |
| MR_FACTOR | NUMBER(6,0) | | Mandatory Restriction Price Scaling Factor |

29.39 Table: DEFAULTDAYOFFER

29.39.1 DEFAULTDAYOFFER

| | |
|---------|--|
| Name | DEFAULTDAYOFFER |
| Comment | DEFAULTDAYOFFER shows day-based details of participants' default bids unit for the same day. |

29.39.2 Description

Source

Obsolete; was updated only when participant changed their default bid.

29.39.3 Primary Key Columns

Name
 DUID
 SETTLEMENTDATE
 VERSIONNO

29.39.4 Index Columns

Name
 LASTCHANGED

29.39.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|--------------------------------------|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:30 |
| DUID | VARCHAR2(10) | X | Dispatchable unit Identifier |
| VERSIONNO | NUMBER(3,0) | X | Version No for given offer date |
| SELFCOMMITFLAG | VARCHAR2(1) | | Not used |
| DAILYENERGYCONSTRAINT | NUMBER(12,6) | | Maximum energy available from Energy |

| | | | |
|--------------------|--------------|--|--|
| | | | Constrained Plant. |
| ENTRYTYPE | VARCHAR2(20) | | Daily or Rebid |
| CONTINGENCYPRICE | NUMBER(9,2) | | Not used |
| REBIDEXPLANATION | VARCHAR2(64) | | Explanation for all rebids and inflexibilities |
| BANDQUANTISATIONID | NUMBER(2,0) | | Not used |
| PRICEBAND1 | NUMBER(9,2) | | Price for Availability Band 1 |
| PRICEBAND2 | NUMBER(9,2) | | Price for Availability Band 2 |
| PRICEBAND3 | NUMBER(9,2) | | Price for Availability Band 3 |
| PRICEBAND4 | NUMBER(9,2) | | Price for Availability Band 4 |
| PRICEBAND5 | NUMBER(9,2) | | Price for Availability Band 5 |
| PRICEBAND6 | NUMBER(9,2) | | Price for Availability Band 6 |
| PRICEBAND7 | NUMBER(9,2) | | Price for Availability Band 7 |
| PRICEBAND8 | NUMBER(9,2) | | Price for Availability Band 8 |
| PRICEBAND9 | NUMBER(9,2) | | Price for Availability Band 9 |
| PRICEBAND10 | NUMBER(9,2) | | Price for Availability Band 10 |
| MAXRAMPUP | NUMBER(9,2) | | Not used |
| MAXRAMPDOWN | NUMBER(9,2) | | Not used |
| MINIMUMLOAD | NUMBER(6,0) | | Minimum stable load |
| T1 | NUMBER(6,0) | | Time to synchronise in minutes |
| T2 | NUMBER(6,0) | | Time to minimum load in minutes |
| T3 | NUMBER(6,0) | | Time at minimum load in minutes |
| T4 | NUMBER(6,0) | | Time to shut down in minutes |
| LASTCHANGED | DATE | | Last date and time record changed |

29.40 Table: DEFAULTOFFERTRK

29.40.1 DEFAULTOFFERTRK

| | |
|---------|---|
| Name | DEFAULTOFFERTRK |
| Comment | DEFAULTOFFERTRK shows the file names of default offers submitted for each unit. |

29.40.2 Description

Source

Obsolete; was updated only when participant changed their default bid.

29.40.3 Primary Key Columns

Name
 DUID
 EFFECTIVEDATE
 VERSIONNO

29.40.4 Index Columns

Name
 LASTCHANGED

29.40.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| DUID | VARCHAR2(10) | X | Dispatchable Unit Identifier |
| EFFECTIVEDATE | DATE | X | Market date default offer file is effective |
| VERSIONNO | NUMBER(3,0) | X | Version no of file for this date |
| FILENAME | VARCHAR2(40) | | Load File identifier |
| AUTHORISED BY | VARCHAR2(15) | | User authorising record |

| | | | |
|----------------|------|--|-----------------------------------|
| AUTHORISEDDATE | DATE | | Date record authorised |
| LASTCHANGED | DATE | | Last date and time record changed |

29.41 Table: DEFAULTPEROFFER

29.41.1 DEFAULTPEROFFER

| | |
|---------|---|
| Name | DEFAULTPEROFFER |
| Comment | DEFAULTPEROFFER shows half hourly period-based data in the default bid for each Dispatchable Unit, such as period availability, rate of change and band quantities. |

29.41.2 Description

Source

Obsolete; was updated only when participant changes their default bid.

29.41.3 Primary Key Columns

Name
 DUID
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

29.41.4 Index Columns

Name
 LASTCHANGED

29.41.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--------------------------------------|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:30 |
| DUID | VARCHAR2(10) | X | Dispatchable Unit Identifier |
| PERIODID | NUMBER(3,0) | X | Market data. Trading Interval number |

| | | | |
|------------------|--------------|---|---|
| VERSIONNO | NUMBER(3,0) | X | Version no of the offer file. |
| SELFDISPATCH | NUMBER(9,6) | | Not used |
| MAXAVAIL | NUMBER(12,6) | | Maximum planned availability MW |
| FIXEDLOAD | NUMBER(9,6) | | Fixed unit output MW. A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load) |
| ROCUP | NUMBER(6,0) | | Rate of change up MW/min |
| ROCDOWN | NUMBER(6,0) | | Rate of change down MW/min |
| LASTCHANGED | DATE | | Last date and time record changed |
| BANDAVAIL1 | NUMBER(6,0) | | Availability at price band 1 |
| BANDAVAIL2 | NUMBER(6,0) | | Availability at price band 2 |
| BANDAVAIL3 | NUMBER(6,0) | | Availability at price band 3 |
| BANDAVAIL4 | NUMBER(6,0) | | Availability at price band 4 |
| BANDAVAIL5 | NUMBER(6,0) | | Availability at price band 5 |
| BANDAVAIL6 | NUMBER(6,0) | | Availability at price band 6 |
| BANDAVAIL7 | NUMBER(6,0) | | Availability at price band 7 |
| BANDAVAIL8 | NUMBER(6,0) | | Availability at price band 8 |
| BANDAVAIL9 | NUMBER(6,0) | | Availability at price band 9 |
| BANDAVAIL10 | NUMBER(6,0) | | Availability at price band 10 |
| PASAAVAILABILITY | NUMBER(12,0) | | The physical plant capability including any capability potentially available within 24 hours. |

29.42 Table: DELTAMW

29.42.1 DELTAMW

| | |
|---------|---|
| Name | DELTAMW |
| Comment | DELTAMW sets out the Frequency Control Ancillary Services (FCAS) requirement to be provided locally within each region and each half-hour period in a market day. Two fields specify Frequency Controlled Ancillary Services requirements to be provided locally for the new regulation ancillary services. |

29.42.2 Description

Change Notice 324 (for the FCAS Constraint enhancements project) means that Dispatch no longer utilises the static FCAS requirements defined in the DELTAMW and RESERVE tables. These tables are replaced with constraint data as a source of FCAS requirements.

The name of the table derives from the now obsolete delta MW for participant factors in Queensland.

Source

DELTAMW updates result from action by operational control staff, generally once a day.

Not in Use - discontinued 16/11/2003

29.42.3 Primary Key Columns

Name
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

29.42.4 Index Columns

Name
 LASTCHANGED

29.42.5 Content

| Name | Data Type | Mandat | Comment |
|------|-----------|--------|---------|
|------|-----------|--------|---------|

| | | ory | |
|----------------|--------------|-----|--|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:30 |
| VERSIONNO | NUMBER(3,0) | X | Version No of record for this date |
| REGIONID | VARCHAR2(10) | X | Differentiates this region from all other regions |
| PERIODID | NUMBER(2,0) | X | Market trading interval from 1 to 48 starting at 04:30 |
| DELTAMW | NUMBER(6,0) | | Not Used |
| LOWER5MIN | NUMBER(6,0) | | Lower 5 min local share requirement |
| LOWER60SEC | NUMBER(6,0) | | Lower 60 sec local share requirement |
| LOWER6SEC | NUMBER(6,0) | | Lower 6 sec local share requirement |
| RAISE5MIN | NUMBER(6,0) | | Raise 5 minute local share requirement |
| RAISE60SEC | NUMBER(6,0) | | Raise 60 sec local share requirement |
| RAISE6SEC | NUMBER(6,0) | | Raise 6 sec local share requirement |
| LASTCHANGED | DATE | | Last date and time record changed |
| RAISEREG | NUMBER(6,0) | | Raise Regulation local share requirement |
| LOWERREG | NUMBER(6,0) | | Lower Regulation local share requirement |

29.43 Table: DISPATCHBIDTRK

29.43.1 DISPATCHBIDTRK

Name DISPATCHBIDTRK

Comment DISPATCHBIDTRK shows the bid tracking, including the bid version used in each dispatch run for each unit. DISPATCHBIDTRK is the audit trail of the bid actually used in each dispatch.

29.43.2 Primary Key Columns

Name

DUID

OFFEREFFECTIVEDATE

OFFERVERSIONNO

RUNNO

SETTLEMENTDATE

29.43.3 Index Columns

Name

LASTCHANGED

29.43.4 Index Columns

Name

DUID

LASTCHANGED

29.43.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-------------------------------|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:05 |

| | | | |
|--------------------|--------------|---|--|
| RUNNO | NUMBER(3,0) | X | Dispatch run no from 1 to 288 (as per bid) |
| OFFEREFFECTIVEDATE | DATE | X | Effective date of offer used |
| OFFERVERSIONNO | NUMBER(3,0) | X | Version no of offer used |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| BIDTYPE | VARCHAR2(10) | | Bid type (daily, default or rebid) |
| LASTCHANGED | DATE | | Last date and time record changed |

29.44 Table: DISPATCHCASE_OCD

29.44.1 DISPATCHCASE_OCD

| | |
|---------|--|
| Name | DISPATCHCASE_OCD |
| Comment | DISPATCHCASE_OCD shows the key data to indicate when an over-constrained dispatch (OCD) re-run actually occurred. One record per over-constrained dispatch interval. |

29.44.2 Description

The DISPATCHCASE_OCD data is public.

Source

The occurrences of Over-constrained dispatch (OCD) or binding intra-regional network constraints (BNC) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system. Potentially updated every 5 minutes.

Volume

Rows per day: ~2

Mb per month: <1

The estimates on the number of rows are based on a 1% occurrence rate for OCD runs.

Note

Due to the close dependency with the dispatch process, the OCD and BNC data models use a “CaseSolution” key table in the same manner as the DISPATCHCASESOLUTION table.

29.44.3 Primary Key Columns

| |
|----------------|
| Name |
| RUNNO |
| SETTLEMENTDATE |

29.44.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.44.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--|
| SETTLEMENTDATE | DATE | X | End date and time of the dispatch interval |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| LASTCHANGED | DATE | | Last date and time record changed |

29.45 Table: DISPATCHCASESOLUTION_BNC

29.45.1 DISPATCHCASESOLUTION_BNC

| | |
|---------|---|
| Name | DISPATCHCASESOLUTION_BNC |
| Comment | DISPATCHCASESOLUTION_BNC was discontinued on 30 September 2009. Prior: DISPATCHCASESOLUTION_BNC is the key data to indicate when a binding intra-regional network constraints (BNC) re-run actually occurred. |

29.45.2 Description

DISPATCHCASESOLUTION_BNC was discontinued on 30 September 2009.

In accordance with the "Arrangements for Managing Risks Associated with Transmission Network Congestion" set of rule changes the Dispatch Binding Network Constraints re-run was discontinued on September 30, 2009.

Source

The occurrences of Over-constrained dispatch (OCD) or binding intra-regional network constraints (BNC) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system. Potentially updated every 5 minutes.

Volume

Rows per day: ~72

Mb per month: 25% of DISPATCHCASESOLUTION

The estimates on the number of rows are based on a 25% occurrence rate for BNC runs.

Note

Due to the close dependency with the dispatch process, the OCD and BNC data models use a "CaseSolution" key table in the same manner as DISPATCHCASESOLUTION.

29.45.3 Primary Key Columns

- Name
- INTERVENTION
- RUNNO
- SETTLEMENTDATE

29.45.4 Index Columns

- Name

LASTCHANGED

29.45.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------------------|---------------|-----------|--|
| SETTLEMENTDATE | DATE | X | End date and time of the dispatch interval |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| INTERVENTION | NUMBER(2,0) | X | Manual intervention flag |
| CASESUBTYPE | VARCHAR2(3) | | always BNC |
| SOLUTIONSTATUS | NUMBER(2,0) | | If non-zero indicated one of the following conditions: * 1 = Supply Scarcity, Excess generation or constraint violations * X = Model failure |
| SPDVERSION | NUMBER(10,3) | | Current version of SPD |
| STARTPERIOD | VARCHAR2(20) | | Period identifier of first interval of the case (yyyymmddppp) |
| NONPHYSICALLOSSES | NUMBER(1,0) | | Non-Physical Losses algorithm invoked occurred during this run |
| TOTALOBJECTIVE | NUMBER(27,10) | | The Objective function from the LP |
| TOTALAREAGENVIOIATION | NUMBER(15,5) | | Total Region Demand violations |
| TOTALINTERCONNECTORVIOIATION | NUMBER(15,5) | | Total interconnector violations |
| TOTALGENERICVIOIATION | NUMBER(15,5) | | Total generic constraint violations |
| TOTALRAMPRATEVIOIATION | NUMBER(15,5) | | Total ramp rate violations |
| TOTALUNITMWCAPACITYVIOIATION | NUMBER(15,5) | | Total unit capacity violations |
| TOTAL5MINVIOIATION | NUMBER(15,5) | | Total of 5 minute ancillary service region violations |
| TOTALREGVIOIATION | NUMBER(15,5) | | Total of Regulation ancillary service region violations |
| TOTAL6SECVIOIATION | NUMBER(15,5) | | Total of 6 second ancillary service region |

| | | | |
|----------------------------|--------------|--|--|
| | | | violations |
| TOTAL60SECVIOLATION | NUMBER(15,5) | | Total of 60 second ancillary service region violations |
| TOTALENERGYCONSTRVIOLATION | NUMBER(15,5) | | |
| TOTALENERGYOFFERVIOLATION | NUMBER(15,5) | | Total of unit summated offer band violations |
| TOTALASPROFILEVIOLATION | NUMBER(15,5) | | Total of ancillary service trader profile violations |
| TOTALFASTSTARTVIOLATION | NUMBER(15,5) | | Total of fast start trader profile violations |
| LASTCHANGED | DATE | | Last date and time record changed |

29.46 Table: DISPATCHLOAD_BNC

29.46.1 DISPATCHLOAD_BNC

| | |
|---------|---|
| Name | DISPATCHLOAD_BNC |
| Comment | DISPATCHLOAD_BNC was discontinued on 30 September 2009. Prior: DISPATCHLOAD_BNC gives binding intra-regional network constraints (BNC) re-run dispatch results for all scheduled generating units. DISPATCHLOAD_BNC has a similar structure to DISPATCHLOAD but does not repeat input type data (e.g. InitialMW, AGCStatus) since these values are available from DISPATCHLOAD. |

29.46.2 Description

DISPATCHLOAD_BNC was discontinued on 30 September 2009.

In accordance with the "Arrangements for Managing Risks Associated with Transmission Network Congestion" set of rule changes the Dispatch Binding Network Constraints re-run was discontinued on September 30, 2009.

Source

The occurrences of Over-constrained dispatch (OCD) or binding intra-regional network constraints (BNC) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system. Potentially updated every 5 minutes.

DISPATCHLOAD_BNC shows data produced every 5 minutes for all units when they have over-constrained dispatch, with own data being confidential until the next day.

Volume

Rows per day: ~14000

Mb per month: 25% of DISPATCHLOAD

The basis of estimation on the number of rows is on a 25% occurrence rate for BNC runs

Note

A flag exists for each ancillary service type such that a unit trapped or stranded in one or more service type can be immediately identified. The flag is defined as follows:

| Flag Name | Bit | Description | Field value |
|-----------|-----|---|-------------|
| Enabled | 0 | The unit is enabled to provide this ancillary service type. | >1 |
| Trapped | 1 | The unit is enabled to provide this ancillary service type, however the profile for this service type is causing the unit to be trapped in the energy market. | 3 |
| Stranded | 2 | The unit is bid available to provide this ancillary service type, however, the unit is operating in the energy market outside of the profile for this service type and is stranded from providing this service. | 4 |

29.46.3 Primary Key Columns

Name

DUID

INTERVENTION

RUNNO

SETTLEMENTDATE

29.46.4 Index Columns

Name

LASTCHANGED

29.46.5 Index Columns

Name

DUID

LASTCHANGED

29.46.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | End date and time of the dispatch interval |
| RUNNO | NUMBER(3,0) | X | Dispatch run no; always 1 |
| DUID | VARCHAR2(10) | X | Dispatchable unit identifier |
| INTERVENTION | NUMBER(2,0) | X | Intervention flag if intervention run |
| CONNECTIONPOINTID | VARCHAR2(12) | | Connection point identifier for DUID |
| DISPATCHMODE | NUMBER(2,0) | | Dispatch mode for fast start plant (0 to 4). |
| TOTALCleared | NUMBER(15,5) | | Target MW for end of period |
| RAISEREG | NUMBER(15,5) | | Raise Regulation reserve target |
| RAISE5MIN | NUMBER(15,5) | | Raise 5 min reserve target |
| RAISE60SEC | NUMBER(15,5) | | Raise 60 sec reserve target |

| | | | |
|-----------------|--------------|--|-----------------------------------|
| RAISE6SEC | NUMBER(15,5) | | Raise 6 sec reserve target |
| LOWERREG | NUMBER(15,5) | | Lower Regulation reserve target |
| LOWER5MIN | NUMBER(15,5) | | Lower 5 min reserve target |
| LOWER60SEC | NUMBER(15,5) | | Lower 60 sec reserve target |
| LOWER6SEC | NUMBER(15,5) | | Lower 6 sec reserve target |
| RAISEREGFLAGS | NUMBER(3,0) | | Raise Reg status flag |
| RAISE5MINFLAGS | NUMBER(3,0) | | Raise 5min status flag |
| RAISE60SECFLAGS | NUMBER(3,0) | | Raise 60sec status flag |
| RAISE6SECFLAGS | NUMBER(3,0) | | Raise 6sec status flag |
| LOWERREGFLAGS | NUMBER(3,0) | | Lower Reg status flag |
| LOWER5MINFLAGS | NUMBER(3,0) | | Lower 5min status flag |
| LOWER60SECFLAGS | NUMBER(3,0) | | Lower 60sec status flag |
| LOWER6SECFLAGS | NUMBER(3,0) | | Lower 6sec status flag |
| LASTCHANGED | DATE | | Last date and time record changed |

29.47 Table: DISPATCHTRK

29.47.1 DISPATCHTRK

Name DISPATCHTRK

Comment DISPATCHTRK is no longer used. DISPATCHTRK was the cross-reference between each dispatch run and SPD case run. DISPATCHTRK may be available on the InfoServer but not replicated to participant databases as it contains data duplicated in other tables.

29.47.2 Description

This is a public table, and is available to all participants.

Source

No longer used; discontinued 30/09/2001

29.47.3 Primary Key Columns

Name

RUNNO

SETTLEMENTDATE

29.47.4 Index Columns

Name

LASTCHANGED

29.47.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Market date and time starting at 04:05 |
| RUNNO | NUMBER(3,0) | X | Dispatch run no, normally 1. |
| REASON | VARCHAR2(64) | | Reason code (if rerun) |
| SPDRUNNO | NUMBER(3,0) | | Case identifier for LP Solver |
| LASTCHANGED | DATE | | Last date and time record changed |

29.48 Table: FORCEMAJEURE

29.48.1 FORCEMAJEURE

| | |
|---------|--|
| Name | FORCEMAJEURE |
| Comment | FORCEMAJEURE used to set out the start and end dates / periods of any force majeure event. FORCEMAJEURE is not used. |

29.48.2 Description

FORCEMAJEURE is a public table, and is available to all participants.

Source

FORCEMAJEURE is not used; was updated if a force majeure event was recorded.

29.48.3 Primary Key Columns

Name

FMID

29.48.4 Index Columns

Name

LASTCHANGED

29.48.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|-------------------------------------|
| FMID | VARCHAR2(10) | X | Force Majeure Identifier |
| STARTDATE | DATE | | Start Date for this event |
| STARTPERIOD | NUMBER(3,0) | | Start Trading Interval for event |
| ENDDATE | DATE | | End Date for this event |
| ENDPERIOD | NUMBER(3,0) | | End Trading Interval for this event |
| APCSTARTDATE | DATE | | APC Start Date |

| | | | |
|-----------------|--------------|--|-----------------------------------|
| STARTAUTHORISED | VARCHAR2(15) | | User authorising start |
| ENDAUTHORISED | VARCHAR2(15) | | User authorising end of event |
| LASTCHANGED | DATE | | Last date and time record changed |

29.49 Table: FORCEMAJEUREREGION

29.49.1 FORCEMAJEUREREGION

| | |
|---------|---|
| Name | FORCEMAJEUREREGION |
| Comment | FORCEMAJEUREREGION used to set out regions impacted by a force majeure event. This table is not used. |

29.49.2 Description

FORCEMAJEUREREGION is public data, and is available to all participants.

Source

FORCEMAJEUREREGION is not used; was updated if a force majeure event was recorded.

29.49.3 Primary Key Columns

Name
FMID
REGIONID

29.49.4 Index Columns

Name
LASTCHANGED

29.49.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|---|
| FMID | VARCHAR2(10) | X | Force Majeure ID |
| REGIONID | VARCHAR2(10) | X | Differentiates this region from all other regions |
| LASTCHANGED | DATE | | Last date and time record changed |

29.50 Table: GENUNITMTRINPERIOD

29.50.1 GENUNITMTRINPERIOD

| | |
|---------|--|
| Name | GENUNITMTRINPERIOD |
| Comment | GENUNITMTRINPERIOD shows meter reading by period for each generator meter. GENUNITMTRINPERIOD covers generated power flowing into the system. It is used to calculate settlement values. |

29.50.2 Description

GENUNITMTRINPERIOD data is confidential to the relevant participant.

Source

GENUNITMTRINPERIOD updated only when new meter reading files are submitted by MDAs.

29.50.3 Primary Key Columns

- Name
- CONNECTIONPOINTID
- LOCAL_RETAILER
- MDA
- PARTICIPANTID
- PERIODID
- SETTLEMENTDATE
- VERSIONNO

29.50.4 Index Columns

- Name
- LASTCHANGED

29.50.5 Index Columns

- Name

STATIONID

29.50.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|---|
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| SETTLEMENTDATE | DATE | X | Trading date of meter data submitted |
| VERSIONNO | NUMBER(6,0) | X | Version no of the record for the given effective date |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Connection Point NMI |
| PERIODID | NUMBER(3,0) | X | Period number where 1 period ending 00:30 EST |
| GENUNITID | VARCHAR2(10) | | Physical unit ID |
| STATIONID | VARCHAR2(10) | | Station Identifier |
| IMPORTENERGYVALUE | NUMBER(16,6) | | Energy sent to the pool (MWh) |
| EXPORTENERGYVALUE | NUMBER(16,6) | | Energy received from the pool (MWh) |
| IMPORTREACTIVEVALUE | NUMBER(16,6) | | Reactive power sent to the network |
| EXPORTREACTIVEVALUE | NUMBER(16,6) | | Reactive power received from the network |
| LASTCHANGED | DATE | | Last date and time record changed |
| MDA | VARCHAR2(10) | X | Relevant Metering Data Agent |
| LOCAL_RETAILER | VARCHAR2(10) | X | Local Retailer for this NMI |

29.51 Table: INTCONTRACT

29.51.1 INTCONTRACT

| | |
|---------|---|
| Name | INTCONTRACT |
| Comment | INTCONTRACT shows intervention contract details. These are specific to each intervention. |

29.51.2 Description

INTCONTRACT became unused when Ancillary Services Review was implemented in 2001.

Confidential to participant

Source

INTCONTRACT is unused; was updated as required.

29.51.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |

29.51.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.51.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|----------------------------------|
| CONTRACTID | VARCHAR2(10) | X | Intervention Contract Identifier |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| STARTDATE | DATE | | Starting Date of Contract |
| ENDDATE | DATE | | Terminate Date of contract |

| | | | |
|----------------------|--------------|--|--|
| STARTPERIOD | NUMBER(3,0) | | Starting period of contract |
| ENDPERIOD | NUMBER(3,0) | | Terminate period of contract in trading interval |
| DEREGISTRATIONDATE | DATE | | Not Used |
| DEREGISTRATIONPERIOD | NUMBER(3,0) | | Not Used |
| LASTCHANGED | DATE | | Last changed date/time |
| REGIONID | VARCHAR2(10) | | Region Identifier |

29.52 Table: INTCONTRACTAMOUNT

29.52.1 INTCONTRACTAMOUNT

| | |
|---------|--|
| Name | INTCONTRACTAMOUNT |
| Comment | INTCONTRACTAMOUNT shows intervention contract amounts. |

29.52.2 Description

INTCONTRACTAMOUNT became unused when Ancillary Services Review was implemented in 2001.
Confidential to participant

Source

INTCONTRACTAMOUNT updated with intervention contracts settlement calculations.

29.52.3 Primary Key Columns

Name
CONTRACTID
PERIODID
VERSIONNO

29.52.4 Index Columns

Name
LASTCHANGED

29.52.5 Content

| Name | Data Type | Mandatory | Comment |
|------------|--------------|-----------|-------------------------------------|
| CONTRACTID | VARCHAR2(10) | X | Intervention Contract Identifier |
| VERSIONNO | NUMBER(3,0) | X | Intervention Contract Version |
| PERIODID | NUMBER(3,0) | X | Period Identifier based on calendar |

| | | | |
|-------------|--------------|---|--|
| | | | settlement date - YYYYMMDDPP. |
| AMOUNT | NUMBER(16,6) | | Intervention Amount for Trading Interval |
| RCF | CHAR(1) | | Regional Recovery Flag |
| LASTCHANGED | DATE | X | Last date and time record changed |

29.53 Table: INTCONTRACTAMOUNTTRK

29.53.1 INTCONTRACTAMOUNTTRK

| | |
|---------|--|
| Name | INTCONTRACTAMOUNTTRK |
| Comment | INTCONTRACTAMOUNTTRK shows the latest valid version of each intervention contract. |

29.53.2 Description

INTCONTRACTAMOUNTTRK became unused when Ancillary Services Review was implemented in 2001. INTCONTRACTAMOUNTTRK is confidential to relevant participant

Source

INTCONTRACTAMOUNTTRK is unused; was updated for contract changes / creation only.

29.53.3 Primary Key Columns

| |
|------------|
| Name |
| CONTRACTID |
| VERSIONNO |

29.53.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.53.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|----------------------------------|
| CONTRACTID | VARCHAR2(10) | X | Intervention Contract Identifier |
| VERSIONNO | NUMBER(3,0) | X | Intervention Contract Version |
| AUTHORISED BY | VARCHAR2(15) | | User name |
| AUTHORISED DATE | DATE | | Date contract was authorised |

| | | | |
|-------------|------|--|-----------------------------------|
| LASTCHANGED | DATE | | Last date and time record changed |
|-------------|------|--|-----------------------------------|

29.54 Table: INTERCONNMFLOW

29.54.1 INTERCONNMFLOW

| | |
|---------|---|
| Name | INTERCONNMFLOW |
| Comment | INTERCONNMFLOW shows Metered Interconnector flow data. INTERCONNMFLOW shows the meter data provided by Meter Data Providers to MSATS. Despite the name, this view shows metered energy (MWh) and not power flow (MW). |

29.54.2 Description

INTERCONNMFLOW data is public, available to all participants.

Source

INTERCONNMFLOW updates weekly.

Volume

The volume depends on number of interconnectors and number of loads (versions) from MSATS per settlement run.

29.54.3 Primary Key Columns

| |
|------------------|
| Name |
| INTERCONNECTORID |
| PERIODID |
| SETTLEMENTDATE |
| VERSIONNO |

29.54.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.54.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Settlement Date (based on Trading day, not dispatch day - i.e. period 1 ends 00:30) |
| VERSIONNO | NUMBER(6,0) | X | Meter Data Version number |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector Identifier |
| PERIODID | NUMBER(3,0) | X | Settlement Period identifier (half hour period) |
| IMPORTENERGYVALUE | NUMBER(15,6) | | Imported Energy value (MWh) |
| EXPORTENERGYVALUE | NUMBER(15,6) | | Exported Energy value (MWh) |
| LASTCHANGED | DATE | | Record creation timestamp |

29.55 Table: MARKETSUSPENSION

29.55.1 MARKETSUSPENSION

| | |
|---------|--|
| Name | MARKETSUSPENSION |
| Comment | MARKETSUSPENSION is obsolete from 2017 End of Year DM4.27 Release. MARKETSUSPENSION sets out a start and end periods of any market suspension and the reason. |

29.55.2 Description

MARKETSUSPENSION is public data, so is available to all participants.

Source

MARKETSUSPENSION updates only if market is suspended.

29.55.3 Primary Key Columns

| | |
|------|--------------|
| Name | SUSPENSIONID |
|------|--------------|

29.55.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

29.55.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|--------------------------------------|
| SUSPENSIONID | VARCHAR2(10) | X | Unique identifier for suspension |
| STARTDATE | DATE | | Start date of suspension |
| STARTPERIOD | NUMBER(3,0) | | Start trading interval of suspension |
| ENDDATE | DATE | | End Date of suspension |

| | | | |
|-----------------|--------------|--|------------------------------------|
| ENDPERIOD | NUMBER(3,0) | | End trading interval of suspension |
| REASON | VARCHAR2(64) | | Reason for suspension |
| STARTAUTHORISED | VARCHAR2(15) | | User authorising start |
| ENDAUTHORISED | VARCHAR2(15) | | User authorising end |
| LASTCHANGED | DATE | | Last date and time record changed |

29.56 Table: MARKETSUSREGION

29.56.1 MARKETSUSREGION

| | |
|---------|--|
| Name | MARKETSUSREGION |
| Comment | MARKETSUSREGION is obsolete from 2017 End of Year DM4.27 Release. MARKETSUSREGION sets out a regions affected by a market suspension. |

29.56.2 Description

MARKETSUSREGION is public data, so is available to all participants.

Source

MARKETSUSREGION updates only if market is suspended.

29.56.3 Primary Key Columns

| |
|--------------|
| Name |
| REGIONID |
| SUSPENSIONID |

29.56.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.56.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|---|
| SUSPENSIONID | VARCHAR2(10) | X | Unique identifier of suspension |
| REGIONID | VARCHAR2(10) | X | Differentiates this region from all other regions |
| LASTCHANGED | DATE | | Last date and time record changed |

29.57 Table: MAS_CP_CHANGE

29.57.1 MAS_CP_CHANGE

Name MAS_CP_CHANGE

Comment MAS_CP_CHANGE records pending changes to the current MAS configuration.

29.57.2 Description

Obsolete; Replaced by MSATS

Source

MAS_CP_CHANGE updates daily with each MAS export.

Note

Expiry date: When the Expiry date on a change record is reached, the change record is deleted.

Meter Read Date: only used in specific circumstances. For more details, refer to MAS documentation. The meter read date is not cleared if it becomes unusable (e.g. due to change of Metering Type or the passage of time).

29.57.3 Primary Key Columns

Name

NMI

29.57.4 Index Columns

Name

LASTCHANGED

29.57.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------|--------------|-----------|------------------------------|
| NMI | VARCHAR2(10) | X | National Metering Identifier |
| STATUS_FLAG | VARCHAR2(1) | | Active/Inactive flag |

| | | | |
|-----------------------------|--------------|--|-----------------------------|
| CP_OLD_SECURITY_CODE | VARCHAR2(4) | | Old Security Code |
| CP_NEW_SECURITY_CODE | VARCHAR2(4) | | New Security Code |
| OLD_LOCAL_NETWORK_PROVIDER | VARCHAR2(10) | | Old Local Network Provider |
| OLD_LOCAL_RETAILER | VARCHAR2(10) | | Old Local Retailer |
| OLD_FINANCIAL_PARTICIPANT | VARCHAR2(10) | | Old FRMP |
| OLD_METERING_DATA_AGENT | VARCHAR2(10) | | Old Metering Data Agent |
| OLD_RETAILER_OF_LAST_RESORT | VARCHAR2(10) | | Old Retailer of Last Resort |
| OLD_RESPONSIBLE_PERSON | VARCHAR2(10) | | Old Responsible Person |
| NEW_LOCAL_NETWORK_PROVIDER | VARCHAR2(10) | | New Local Network Provider |
| NEW_LOCAL_RETAILER | VARCHAR2(10) | | New Local Retailer |
| NEW_FINANCIAL_PARTICIPANT | VARCHAR2(10) | | New FRMP |
| NEW_METERING_DATA_AGENT | VARCHAR2(10) | | New Metering Data Agent |
| NEW_RETAILER_OF_LAST_RESORT | VARCHAR2(10) | | New Retailer of Last Resort |
| NEW_RESPONSIBLE_PERSON | VARCHAR2(10) | | New Responsible Person |
| OLD_LNSP_OK | VARCHAR2(1) | | Old LNSP approval flag |
| OLD_LR_OK | VARCHAR2(1) | | Old LR approval flag |
| OLD_FRMP_OK | VARCHAR2(1) | | Old FRMP approval flag |
| OLD_MDA_OK | VARCHAR2(1) | | Old MDA approval flag |
| OLD_ROLR_OK | VARCHAR2(1) | | Old ROLR approval flag |
| OLD_RP_OK | VARCHAR2(1) | | Old RP approval flag |
| NEW_LNSP_OK | VARCHAR2(1) | | New LNSP approval flag |
| NEW_LR_OK | VARCHAR2(1) | | New LR approval flag |

| | | | |
|------------------------|--------------|--|---|
| NEW_FRMP_OK | VARCHAR2(1) | | New FRMP approval flag |
| NEW_MDA_OK | VARCHAR2(1) | | New MDA approval flag |
| NEW_ROLR_OK | VARCHAR2(1) | | New ROLR approval flag |
| NEW_RP_OK | VARCHAR2(1) | | New RP approval flag |
| PRUDENTIAL_OK | VARCHAR2(1) | | Prudential check flag |
| INITIAL_CHANGE_DATE | DATE | | Initial change date |
| CURRENT_CHANGE_DATE | DATE | | Current change date |
| CP_NAME | VARCHAR2(30) | | Connection point name |
| CP_DETAIL_1 | VARCHAR2(30) | | Connection point detail 1 |
| CP_DETAIL_2 | VARCHAR2(30) | | Connection point detail 2 |
| CITY_SUBURB | VARCHAR2(30) | | Connection point City/Suburb |
| STATE | VARCHAR2(3) | | State of Australia |
| POST_CODE | VARCHAR2(4) | | Connection point postcode |
| TX_NODE | VARCHAR2(4) | | Connection point TNI |
| AGGREGATE_DATA | VARCHAR2(1) | | Aggregate data Flag (YIN) |
| AVERAGE_DAILY_LOAD_KWH | NUMBER(8,0) | | Average Daily load in KWh |
| DISTRIBUTION_LOSS | NUMBER(5,4) | | Distribution loss factors |
| OLD_LSNP_TEXT | VARCHAR2(30) | | Old LNSP text field (LNSP misspelt in name) |
| OLD_LR_TEXT | VARCHAR2(30) | | Old LR text field |
| OLD_FRMP_TEXT | VARCHAR2(30) | | Old FRMP text field |
| OLD_MDA_TEXT | VARCHAR2(30) | | Old MDA text field |
| OLD_ROLR_TEXT | VARCHAR2(30) | | Old ROLR text field |
| OLD_RP_TEXT | VARCHAR2(30) | | Old RP text field |
| NEW_LSNP_TEXT | VARCHAR2(30) | | New LNSP text field (LNSP misspelt in name) |
| NEW_LR_TEXT | VARCHAR2(30) | | New LR text field |
| NEW_FRMP_TEXT | VARCHAR2(30) | | New FRMP text field |

| | | | |
|-----------------|--------------|--|--|
| NEW_MDA_TEXT | VARCHAR2(30) | | New MDA text field |
| NEW_ROLR_TEXT | VARCHAR2(30) | | New ROLR text field |
| NEW_RP_TEXT | VARCHAR2(30) | | New RP text field |
| LASTCHANGED | DATE | | Last changed date. |
| NMI_CLASS | VARCHAR2(9) | | Class of National Metering Identifier to allow for different business rules to apply |
| METERING_TYPE | VARCHAR2(9) | | Type of metering installation (e.g. BASIC, MRIM, COMMS) |
| JURISDICTION | VARCHAR2(3) | | Area; for application of rules |
| CREATE_DATE | DATE | | Set by the system with today's date when the change record is created. |
| EXPIRY_DATE | DATE | | Set by the system (and cannot be changed). |
| METER_READ_DATE | DATE | | Date of meter reading |

29.58 Table: MAS_CP_MASTER

29.58.1 MAS_CP_MASTER

Name MAS_CP_MASTER

Comment MAS_CP_MASTER shows the current MAS configuration.

29.58.2 Description

Obsolete; Replaced by MSATS

Source

MAS_CP_MASTER updates daily with each MAS export.

Note

| In_Use Value | Meaning |
|--------------|---------|
| Y | ACTIVE |
| N | CLOSED |
| X | EXTINCT |

29.58.3 Primary Key Columns

Name

NMI

VALID_FROM_DATE

29.58.4 Primary Key Columns

Name

NMI

VALID_TO_DATE

29.58.5 Index Columns

Name

LASTCHANGED

29.58.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|--|
| NMI | VARCHAR2(10) | X | National Metering Identifier |
| CP_SECURITY_CODE | VARCHAR2(4) | | Security Code |
| IN_USE | VARCHAR2(1) | | Active/Inactive Status flag (NEW/N/Y/X) |
| VALID_FROM_DATE | DATE | X | Record valid from date |
| VALID_TO_DATE | DATE | X | Record valid to date |
| LOCAL_NETWORK_PROVIDER | VARCHAR2(10) | | LNSP |
| LOCAL_RETAILER | VARCHAR2(10) | | Local Retailer |
| FINANCIAL_PARTICIPANT | VARCHAR2(10) | | FRMP |
| METERING_DATA_AGENT | VARCHAR2(10) | | MDA |
| RETAILER_OF_LAST_RESORT | VARCHAR2(10) | | ROLR |
| RESPONSIBLE_PERSON | VARCHAR2(10) | | Responsible Person |
| CP_NAME | VARCHAR2(30) | | Connection point name |
| CP_DETAIL_1 | VARCHAR2(30) | | Connection point detail 1 |
| CP_DETAIL_2 | VARCHAR2(30) | | Connection point detail 2 |
| CITY_SUBURB | VARCHAR2(30) | | Connection point city/suburb |
| STATE | VARCHAR2(3) | | State of Australia |
| POST_CODE | VARCHAR2(4) | | Connection point postcode |
| TX_NODE | VARCHAR2(4) | | Connection point TNI |
| AGGREGATE_DATA | VARCHAR2(1) | | Aggregate data flag (YIN) |
| AVERAGE_DAILY_LOAD_KWH | NUMBER(8,0) | | Average daily load in KWh |
| DISTRIBUTION_LOSS | NUMBER(5,4) | | Distribution loss factor |
| LNSP_TEXT | VARCHAR2(30) | | LNSP text field (name has misspelt LNSP) |
| LR_TEXT | VARCHAR2(30) | | LR text field |

| | | | |
|---------------|--------------|--|-------------------|
| FRMP_TEXT | VARCHAR2(30) | | FRMP text field |
| MDA_TEXT | VARCHAR2(30) | | MDA text field |
| ROLR_TEXT | VARCHAR2(30) | | ROLR text field |
| RP_TEXT | VARCHAR2(30) | | RP text field |
| LASTCHANGED | DATE | | Last changed date |
| NMI_CLASS | VARCHAR2(9) | | |
| METERING_TYPE | VARCHAR2(9) | | |
| JURISDICTION | VARCHAR2(3) | | |

29.59 Table: METERDATA

29.59.1 METERDATA

| | |
|---------|---|
| Name | METERDATA |
| Comment | METERDATA sets out a meter data for each customer connection point. METERDATA covers market load. Use the field METERRUNNO to match the meter data version for each settlement run. |

29.59.2 Description

METERDATA data is confidential to the relevant participant.

Source

METERDATA updates whenever meter files are processed from MSATS.

Volume

Depends on number of TNI, FRMP, LR combinations and number of data file loads (versions) from MSATS per settlement run.

29.59.3 Primary Key Columns

Name

CONNECTIONPOINTID

HOSTDISTRIBUTOR

MDA

METERRUNNO

PARTICIPANTID

PERIODID

SETTLEMENTDATE

29.59.4 Index Columns

Name

LASTCHANGED

29.59.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| PERIODID | NUMBER(3,0) | X | Settlement period identifier (half hour period) |
| SETTLEMENTDATE | DATE | X | Settlement date |
| METERRUNNO | NUMBER(6,0) | X | Data version no |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Transmission Node Identifier (TNI). Identifies a Transmission NetworkConnection Point. |
| IMPORTENERGYVALUE | NUMBER(9,6) | | Imported energy value (MWh) |
| EXPORTENERGYVALUE | NUMBER(9,6) | | Exported energy value (MWh) |
| IMPORTREACTIVEVALUE | NUMBER(9,6) | | Not used |
| EXPORTREACTIVEVALUE | NUMBER(9,6) | | Not used |
| HOSTDISTRIBUTOR | VARCHAR2(10) | X | Local Retailer participant identifier |
| LASTCHANGED | DATE | | Last date and time record changed |
| MDA | VARCHAR2(10) | X | Defaults to MSATS |

29.60 Table: METERDATA_GEN_DUID

29.60.1 METERDATA_GEN_DUID

| | |
|---------|--|
| Name | METERDATA_GEN_DUID |
| Comment | Recorded actual generation of non-scheduled units where SCADA data is available. |

29.60.2 Primary Key Columns

| |
|-------------------|
| Name |
| DUID |
| INTERVAL_DATETIME |

29.60.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.60.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|------------------------------------|
| INTERVAL_DATETIME | date | X | Timestamp of the recorded interval |
| DUID | varchar2(10) | X | Unit ID |
| MWH_READING | number(18,8) | | MW reading |
| LASTCHANGED | date | | Timestamp of last record change |

29.61 Table: METERDATA_TRK

29.61.1 METERDATA_TRK

| | |
|---------|---|
| Name | METERDATA_TRK |
| Comment | Tracking table for the publication of wholesale settlement data associated with BILLING run |

29.61.2 Primary Key Columns

| |
|---------|
| Name |
| CASE_ID |

29.61.3 Index Columns

| |
|---------|
| Name |
| CASE_ID |

29.61.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------------------------|--------------|-----------|--|
| CASE_ID | NUMBER(15,0) | X | Case Identifier |
| AGGREGATE_READS_LOAD_DATETIME | DATE | | Timestamp of the aggregated reads being loaded for this case |
| INDIVIDUAL_READS_LOAD_DATETIME | DATE | | Timestamp of the non aggregated reads being loaded for this case |
| STARTDATE | DATE | | The start date of data associated with the CASE_ID |
| ENDDATE | DATE | | The end date of data associated with the Case_ID |
| LASTCHANGED | DATE | | Last changed date for the record |

29.62 Table: METERDATATRK

29.62.1 METERDATATRK

| | |
|---------|--|
| Name | METERDATATRK |
| Comment | METERDATATRK records meter data files submitted for each connection point on a daily basis. The same data is provided in METERDATA period by period (i.e. 48 records), whereas METERDATATRK shows one record per day for each file submitted for a connection point. |

29.62.2 Description

METERDATATRK data is confidential to the relevant participant.

Source

METERDATATRK updates whenever meter files are processed.

Volume

Depends on the number of TNI, FRMP and LR combinations plus the number of data file loads (versions) from MSATS per settlement run.

29.62.3 Primary Key Columns

Name

CONNECTIONPOINTID

HOSTDISTRIBUTOR

METERINGDATAAGENT

METERRUNNO

PARTICIPANTID

SETTLEMENTDATE

29.62.4 Index Columns

Name

LASTCHANGED

29.62.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---------------------------------------|
| SETTLEMENTDATE | DATE | X | Settlement calendar date |
| METERRUNNO | NUMBER(6,0) | X | Meter data version number |
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| FILENAME | VARCHAR2(40) | | Meter file name (MSATS file name) |
| ACKFILENAME | VARCHAR2(40) | | Not used |
| CONNECTIONPOINTID | VARCHAR2(10) | X | Transmission Node Identifier (TNI) |
| AUTHORISEDDATE | DATE | | Date processed |
| AUTHORISEDBY | VARCHAR2(15) | | Not used |
| METERINGDATAAGENT | VARCHAR2(10) | X | Defaults to MSATS |
| HOSTDISTRIBUTOR | VARCHAR2(10) | X | Local retailer participant identifier |
| LASTCHANGED | DATE | | Last date and time record changed |

29.63 Table: MNSP_FILETRK

29.63.1 MNSP_FILETRK

Name MNSP_FILETRK

Comment MNSP_FILETRK shows all MNSPOFFERS transmitted to the MMS system.

29.63.2 Description

MNSP_FILETRK is confidential to the relevant participant.

Source

MNSP_FILETRK updates for every submitted MNSP bid.

Volume

4000 per year, being one per bid containing an MNSP bid

29.63.3 Primary Key Columns

Name

FILENAME

OFFERDATE

PARTICIPANTID

SETTLEMENTDATE

29.63.4 Index Columns

Name

LASTCHANGED

29.63.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market Date from which bid is active |
| OFFERDATE | DATE | X | The actual date and time the bid file was |

| | | | |
|---------------|--------------|---|---|
| | | | submitted by the participant |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| FILENAME | VARCHAR2(40) | X | File name for default bids, bids, rebids, re-offers or meter files, as appropriate to table |
| STATUS | VARCHAR2(10) | | Load status [SUCCESSFUL/CORRUPT] |
| ACKFILENAME | VARCHAR2(40) | | Acknowledge file name for bids, rebids |
| LASTCHANGED | DATE | | Last date and time record changed |

29.64 Table: MNSP_OFFERTRK

29.64.1 MNSP_OFFERTRK

| | |
|---------|---|
| Name | MNSP_OFFERTRK |
| Comment | MNSP_OFFERTRK records all valid MNSPOFFERS loaded into the MMS system. The authorised date reflects the date and time of the load. MNSP_OFFERTRK is key for tracking MNSP bid submission. |

29.64.2 Description

MNSP_OFFERTRK shows own (confidential) data updates as bids are processed. All bids are available as part of next day market data.

Volume

4000 per year

29.64.3 Primary Key Columns

Name
 FILENAME
 OFFERDATE
 PARTICIPANTID
 SETTLEMENTDATE
 VERSIONNO

29.64.4 Index Columns

Name
 LASTCHANGED

29.64.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|---------|
| SETTLEMENTDATE | DATE | X | |

| | | | |
|----------------|--------------|---|--|
| OFFERDATE | DATE | X | |
| VERSIONNO | NUMBER(3,0) | X | |
| PARTICIPANTID | VARCHAR2(10) | X | |
| FILENAME | VARCHAR2(40) | X | |
| AUTHORISEDDATE | DATE | | |
| AUTHORISEDBY | VARCHAR2(15) | | |
| LASTCHANGED | DATE | | |

29.65 Table: MNSP_PEROFFER

29.65.1 MNSP_PEROFFER

| | |
|---------|--|
| Name | MNSP_PEROFFER |
| Comment | <p>MNSP_PEROFFER shows period by period availability and other period data pertaining to a specific bid and LinkID for the given Settlement Date.</p> <p>MNSP_PEROFFER is a child to MNSP_DAYOFFER and links to MNSP_OFFERTRK.</p> |

29.65.2 Description

MNSP_PEROFFER shows own (confidential) data updates as bids are processed. All bids are available as part of next day market data.

Volume

192, 000 per year

29.65.3 Primary Key Columns

Name

LINKID

OFFERDATE

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

29.65.4 Index Columns

Name

LASTCHANGED

29.65.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Market Date from which bid is active |
| OFFERDATE | DATE | X | Offer date for bid |
| VERSIONNO | NUMBER(3,0) | X | Version of data for other key data - a higher version for same key data will take precedence |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| LINKID | VARCHAR2(10) | X | Identifier for each of the two MNSP Interconnector Links. Each link pertains to the direction from and to. |
| PERIODID | NUMBER(22,0) | X | Trading Interval number |
| MAXAVAIL | NUMBER(6,0) | | Maximum planned availability MW |
| BANDAVAIL1 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL2 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL3 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL4 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL5 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL6 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL7 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL8 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL9 | NUMBER(6,0) | | Band Availability for current Period |
| BANDAVAIL10 | NUMBER(6,0) | | Band Availability for current Period |
| LASTCHANGED | DATE | | Last date and time record changed |
| FIXEDLOAD | NUMBER(12,6) | | Inflexibility flag and availability. Fixed unit output MW. A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load) |
| RAMPUPRATE | NUMBER(6,0) | | Ramp rate (MW / min) in the positive direction of flow for this MNSP link for this |

| | | | |
|------------------|--------------|--|---|
| | | | half-hour period |
| PASAAVAILABILITY | NUMBER(12,0) | | Allows for future use for energy bids, being the physical plant capability including any capability potentially available within 24 hours |
| MR_CAPACITY | NUMBER(6,0) | | Mandatory Restriction Offer amount |

29.66 Table: MR_DAYOFFER_STACK

29.66.1 MR_DAYOFFER_STACK

| | |
|---------|---|
| Name | MR_DAYOFFER_STACK |
| Comment | MR_DAYOFFER_STACK defines the Stack order for each version of the Acceptance Schedule, including all units submitting MR offers for that event. MR_DAYOFFER_STACK is the child to MR_EVENT_SCHEDULE, and parent to MR_PEROFFER_STACK. |

29.66.2 Description

Once the offer cut off time has passed and as the schedule changes AEMO is obliged to accept MR capacity to meet the schedule in merit order according to the offers submitted. The relationship to a specific schedule, the merit order of submitted offers and accepted quantities for each trading interval are stored in the MR_EVENT_SCHEDULE, MR_DAYOFFER_STACK and MR_PEROFFER_STACK.

MR_DAYOFFER_STACK sets includes all generators/MNSPs in the region that submitted an MR offer and a primary key reference to the Offer tables to identify the specific offer used for that unit.

MR_DAYOFFER_STACK also includes a Stack Order, irrespective of whether the unit is required to meet the Schedule.

MR_DAYOFFER_STACK updates are confidential on day of submission, with public exposure the next day.

Source

MR_DAYOFFER_STACK updates are ad hoc.

Volume

100 rows per year

29.66.3 Primary Key Columns

| |
|------------------|
| Name |
| MR_DATE |
| REGIONID |
| STACK_POSITION |
| VERSION_DATETIME |

29.66.4 Index Columns

| |
|------|
| Name |
|------|

LASTCHANGED

29.66.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|--|
| MR_DATE | DATE | X | Mandatory Restriction imposition date |
| REGIONID | VARCHAR2(10) | X | Unique RegionID |
| VERSION_DATETIME | DATE | X | Allows many Stack versions |
| STACK_POSITION | NUMBER(3,0) | X | Loss Adjusted Offer Factor Stack order starting at 1 |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID or LinkID |
| AUTHORISED | NUMBER(1,0) | | Confirms the unit is allowed to Contribute MR Capacity |
| OFFER_SETTLEMENTDATE | DATE | | Foreign key reference to XXXX_DayOffer.SettlementDate |
| OFFER_OFFERDATE | DATE | | Foreign key reference to XXXX_DayOffer.OfferDate |
| OFFER_VERSIONNO | NUMBER(3,0) | | Foreign key reference to XXXX_DayOffer.VersionNo |
| OFFER_TYPE | VARCHAR2(20) | | Source tables - ENERGY or MNSP |
| LAOF | NUMBER(16,6) | | Loss Adjusted Offer Factor = TLF times MR_Factor |
| LASTCHANGED | DATE | | Date and time the record was last inserted/modified |

29.67 Table: MR_EVENT

29.67.1 MR_EVENT

| | |
|---------|---|
| Name | MR_EVENT |
| Comment | MR_EVENT defines an MR Event for a given region on a specific trading date. |

29.67.2 Description

MR_EVENT defines a mandatory restriction event for a given region and trading date (04:30 to 04:00). Data within MR_EVENT includes the cut-off time for submission of MR offers for this event and a notification that the settlements figures are locked due to results from an independent expert being engaged to allocate settlement of a significant shortfall. If mandatory restrictions are defined in two regions on the same trading day, two MR events are defined.

MR_EVENT data is public, so is available to all participants.

Source

MR_EVENT updates are ad hoc.

Volume

1 Row per year

29.67.3 Primary Key Columns

Name
MR_DATE
REGIONID

29.67.4 Index Columns

Name
LASTCHANGED

29.67.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|---------------------|---------------|---|--|
| MR_DATE | DATE | X | Mandatory Restriction imposition date |
| REGIONID | VARCHAR2(10) | X | Unique RegionID |
| DESCRIPTION | VARCHAR2(200) | | Description of MR |
| AUTHORISEDDATE | DATE | | Required for MR_Event to take effect |
| AUTHORISEDBY | VARCHAR2(20) | | Ignored - Tracking purpose only |
| OFFER_CUT_OFF_TIME | DATE | | Cut off after when new Offers and Scaling Factor changes are disallowed |
| SETTLEMENT_COMPLETE | NUMBER(1,0) | | Flag:1 = MR settlement figures locked. Do not recalculate, - 0 = MR settlements to be recalculated |
| LASTCHANGED | DATE | | Date/Time record inserted/modified |

29.68 Table: MR_EVENT_SCHEDULE

29.68.1 MR_EVENT_SCHEDULE

| | |
|---------|--|
| Name | MR_EVENT_SCHEDULE |
| Comment | MR_EVENT_SCHEDULE defines the Stack version of the Acceptance Schedule and is the parent table to MR_DayOffer_Stack and MR_PerOffer_Stack. |

29.68.2 Description

Once the offer cut off time has passed and as the schedule changes AEMO is obliged to accept MR capacity to meet the schedule in merit order according to the offers submitted. The relationship to a specific schedule, the merit order of submitted offers and accepted quantities for each trading interval are stored in the MR_Event_Schedule, MR_DayOffer_Stack and MR_PerOffer_Stack table.

The MR_EVENT_SCHEDULE table determines the existence of an MR offer acceptance stack for a specific MR schedule of an MR event. The MR_EVENT_SCHEDULE table also tracks the time each stack is exercised. MR_EVENT_SCHEDULE is public and notifies the market that a new offer stack has been created.

Source

MR_EVENT_SCHEDULE updates are ad hoc.

Volume

2 Rows per year

29.68.3 Primary Key Columns

| |
|------------------|
| Name |
| MR_DATE |
| REGIONID |
| VERSION_DATETIME |

29.68.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.68.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------------|--------------|-----------|---|
| MR_DATE | DATE | X | Mandatory Restriction imposition date |
| REGIONID | VARCHAR2(10) | X | Unique RegionID |
| VERSION_DATETIME | DATE | X | Effective Date/Time of Schedule; Allows many Stack versions |
| DEMAND_EFFECTIVEDATE | DATE | | Foreign key reference to ResDemandTrk.EffectiveDate |
| DEMAND_OFFERDATE | DATE | | Foreign key reference to ResDemandTrk.OfferDate |
| DEMAND_VERSIONNO | NUMBER(3,0) | | Foreign key reference to ResDemandTrk.VersionNo |
| AUTHORISED_BY | VARCHAR2(20) | | Authorised person confirming Offer Stack (AKA Acceptance) |
| AUTHORISED_DATE | DATE | | Date and time the Offer Stack confirmed |
| LASTCHANGED | DATE | | Date and time the record was inserted/modified |

29.69 Table: MR_PEROFFER_STACK

29.69.1 MR_PEROFFER_STACK

| | |
|---------|---|
| Name | MR_PEROFFER_STACK |
| Comment | MR_PEROFFER_STACK defines the accepted capacity on a period basis for the Acceptance Schedule, is a child table to MR_DayOffer_Stack and only includes records or units with accepted_capacity > 0 for the specific period. |

29.69.2 Description

Once the offer cut off time has passed and as the schedule changes AEMO is obliged to accept MR capacity to meet the schedule in merit order according to the offers submitted. The relationship to a specific schedule, the merit order of submitted offers and accepted quantities for each trading interval are stored in MR_Event_Schedule, MR_DayOffer_Stack and MR_PerOffer_Stack.

MR_PEROFFER_STACK reports the accepted MR capacity (Accepted_Capacity) required from each unit for each trading interval. MR_PEROFFER_STACK is sparse so lists only units with accepted capacity > 0 for that trading interval. The Deducted_Capacity field allows the tracking and implementation of participant requested reductions to accepted MR capacity to be tracked and applied. MR_PEROFFER_STACK is reported confidentially to each participant to notify acceptance of an MR offer.

Source

MR_PEROFFER_STACK updates are ad hoc.

Volume

4800 rows per year

29.69.3 Primary Key Columns

- Name
- MR_DATE
- PERIODID
- REGIONID
- STACK_POSITION
- VERSION_DATETIME

29.69.4 Index Columns

Name

LASTCHANGED

29.69.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| MR_DATE | DATE | X | Mandatory Restriction imposition date |
| REGIONID | VARCHAR2(10) | X | Unique RegionID |
| VERSION_DATETIME | DATE | X | Allows many Period Stack versions for the one Scaling Factor stack |
| STACK_POSITION | NUMBER(3,0) | X | LAOF Stack order |
| PERIODID | NUMBER(3,0) | X | Trade Period for the MR Offer |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID or LinkID. Only required here for CSV reports |
| ACCEPTED_CAPACITY | NUMBER(6,0) | | MR Capacity to be Dispatched |
| DEDUCTED_CAPACITY | NUMBER(6,0) | | Requested capacity reduction amount |
| LASTCHANGED | DATE | | Date and time the record was last inserted/modified |

29.70 Table: MTPASA_CASE_SET

29.70.1 MTPASA_CASE_SET

Name MTPASA_CASE_SET

Comment MTPASA_CASE_SET is obsolete from 2005 End of Year Release. The RUNTYPE added to the primary key of the detail tables for MTPASA allows for the different types of runs for each case.

MTPASA_CASE_SET allows a MT PASA scenario to be linked across runs.

29.70.2 Description

Source

Update weekly.

29.70.3 Primary Key Columns

Name

RUN_DATETIME

RUN_NO

29.70.4 Index Columns

Name

LASTCHANGED

29.70.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|---|
| RUN_DATETIME | DATE | X | Date processing of the run begins. Generated from the solution file CASEID. |
| RUN_NO | NUMBER(3,0) | X | Unique run id. Generated from the solution file CASEID. |
| CASESETID | NUMBER(3,0) | | Unique id to link a set of cases run from |

| | | | |
|-------------|-------------|--|---|
| | | | the same inputs |
| RUNTYPEID | NUMBER(1,0) | | Unique id for type of run, being either |
| LASTCHANGED | DATE | | Date the solution was loaded |

29.71 Table: MTPASA_CASESOLUTION

29.71.1 MTPASA_CASESOLUTION

| | |
|---------|--|
| Name | MTPASA_CASESOLUTION |
| Comment | MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release. MTPASA_CASESOLUTION holds one record for each entire solution. Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxXX tables become obsolete, replaced by MTPASA_XXX tables. |

29.71.2 Description

MTPASA_CASESOLUTION is public data.

Source

MTPASA_CASESOLUTION is updated each MTPASA run (i.e. weekly).

Volume

Rows per week: 1

Rows per month: 5

Monthly space increment is based on storing all the MT PASA solutions. To store only the latest solution, divide these figures by 5 (number of weeks per month rounded up).

29.71.3 Primary Key Columns

| |
|--------------|
| Name |
| RUN_DATETIME |
| RUN_NO |

29.71.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.71.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|----------------------------|--------------|---|--|
| RUN_DATETIME | DATE | X | Date processing of the run begins. Generated from the solution file caseid |
| RUN_NO | NUMBER(3,0) | X | Unique run id. Generated from the solution file caseid |
| PASAVERSION | VARCHAR2(10) | | Version of the PASA solver used to solve this case |
| RESERVECONDITION | NUMBER(1,0) | | Low Reserve Condition (LRC) flag for the case (1 - LRC in the case, 0 - No LRCs in the case) for capacity run |
| LORCONDITION | NUMBER(1,0) | | Lack of Reserve Condition (LOR) flag for the case indicates the most severe condition in the case (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR) |
| CAPACITYOBJFUNCTION | NUMBER(12,3) | | Objective Function from the Capacity Adequacy run |
| CAPACITYOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the demand forecast used for capacity adequacy assessment: 0 = no assessment, 1 = 10%, 2 = 50%, 3 = 90% |
| MAXSURPLUSRESERVEOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the demand forecast used for assessment of Maximum surplus Reserve: 0 = no assessment, 1 = 10%, 2 = 50%, 3 = 90% |
| MAXSPARECAPACITYOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the demand forecast used for assessment of Maximum Spare Capacity: 0 = no assessment, 1 = 10%, 2 = 50%, 3 = 90% |
| INTERCONNECTORFLOWPENALTY | NUMBER(12,3) | | The penalty for non-zero interconnector flow |
| LASTCHANGED | DATE | | Date and time the record was created or modified |
| RUNTYPE | VARCHAR2(50) | | Discontinued in Dec 2005; was description of the constraints included in this run, being either System Normal and Planned Outage Constraints or System Normal Constraints Only |
| RELIABILITYLRCDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedence (POE) demand forecast for Reliability LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |

| | | | |
|------------------------------|--------------|--|--|
| OUTAGELRCDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedence (POE) demand forecast for outage LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |
| LORDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedence (POE) demand forecast for LOR assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |
| RELIABILITYLRCCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in Reliability LRC run (either PASA or MARKET) |
| OUTAGELRCCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in Outage LRC run (either PASA or MARKET) |
| LORCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in LOR run (either PASA or MARKET) |
| LORUIGFOPTION | NUMBER(3,0) | | UIGF POE forecast availability used for this option |
| RELIABILITYLRUIGFOPTION | NUMBER(3,0) | | UIGF POE forecast availability used for this option |
| OUTAGELRCUIGFOPTION | NUMBER(3,0) | | UIGF POE forecast availability used for this option |

29.72 Table: MTPASA_CONSTRAINTSOLUTION

29.72.1 MTPASA_CONSTRAINTSOLUTION

| | |
|---------|---|
| Name | MTPASA_CONSTRAINTSOLUTION |
| Comment | <p>MTPASA_CONSTRAINTSOLUTION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>The MTPASA_CONSTRAINTSOLUTION table holds the binding and violated constraint results from the capacity evaluation, including the RHS value.</p> <p>Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxXX tables become obsolete, replaced by MTPASA_XXX tables.</p> |

29.72.2 Description

MTPASA_CONSTRAINTSOLUTION is public data.

Source

MTPASA_CONSTRAINTSOLUTION is updated each MTPASA run (i.e. weekly).

Volume

Rows per week: 230

To store only the latest solution, divide these figures by 5.

29.72.3 Primary Key Columns

- Name
- CONSTRAINTID
- DAY
- ENERGYBLOCK
- LDCBLOCK
- RUN_DATETIME
- RUN_NO
- RUNTYPE

29.72.4 Index Columns

- Name

LASTCHANGED

29.72.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date processing of the run begins |
| RUN_NO | NUMBER(3,0) | X | Unique run id. Generated from the solution file caseid |
| ENERGYBLOCK | DATE | X | Sunday at start of the week for this solutions energy block. Generated from the solution file energy block |
| DAY | DATE | X | Day this solution is for. Generated from the solution file periodid |
| LDCBLOCK | NUMBER(3,0) | X | LDC block this solution is for. Generated from the solution file periodid |
| CONSTRAINTID | VARCHAR2(20) | X | The unique identifier for the constraint |
| CAPACITYRHS | NUMBER(12,2) | | The RHS value in the capacity evaluation |
| CAPACITYMARGINALVALUE | NUMBER(12,2) | | Capacity adequacy assessment marginal value; 0 if not binding |
| CAPACITYVIOLATIONDEGREE | NUMBER(12,2) | | Capacity adequacy assessment violation degree; 0 if not violating |
| LASTCHANGED | DATE | | Date the solution was loaded |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC |

29.73 Table: MTPASA_INTERCONNECTORSOLUTION

29.73.1 MTPASA_INTERCONNECTORSOLUTION

| | |
|---------|---|
| Name | MTPASA_INTERCONNECTORSOLUTION |
| Comment | <p>MTPASA_INTERCONNECTORSOLUTION is obsolete from 2017 End of Year DM4.27 Release.</p> <p>The MTPASA_INTERCONNECTORSOLUTION table shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the ldcblock within the day.</p> <p>Change Notice 379 announced the replacement of the MT PASA data model so all MTPASAxXX tables become obsolete, replaced by MTPASA_XXX tables (see Change Notices 400, 400a and 400b).</p> |

29.73.2 Description

MTPASA_INTERCONNECTORSOLUTION is public so is available to all participants.

Source

MTPASA_INTERCONNECTORSOLUTION is updated each MTPASA run (i.e. weekly).

Volume

Rows per week: 35280

To store only the latest solution, divide these figures by 5 (number of weeks per month rounded up).

29.73.3 Primary Key Columns

| |
|------------------|
| Name |
| DAY |
| ENERGYBLOCK |
| INTERCONNECTORID |
| LDCBLOCK |
| RUN_DATETIME |
| RUN_NO |
| RUNTYPE |

29.73.4 Index Columns

Name

LASTCHANGED

29.73.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Date processing of the run begins |
| RUN_NO | NUMBER(3,0) | X | Unique run id. Generated from the solution file caseid |
| ENERGYBLOCK | DATE | X | Sunday at start of the week for this solutions energy block. Generated from the solution file energy block |
| DAY | DATE | X | Day this solution is for. Generated from the solution file periodid |
| LDCBLOCK | NUMBER(3,0) | X | LDC block this solution is for. Generated from the solution file periodid |
| INTERCONNECTORID | VARCHAR2(10) | X | The unique identifier for the interconnector |
| CAPACITYMWFLOW | NUMBER(12,2) | | Interconnector loading level (MW) that can be reached in case of capacity scarcity in neighbouring regions subject to network and energy constraints |
| CAPACITYMARGINALVALUE | NUMBER(12,2) | | Capacity adequacy assessment marginal value; 0 if not binding |
| CAPACITYVIOLATIONDEGREE | NUMBER(12,2) | | Capacity adequacy assessment violation degree, 0 if not violating; where CapacityMWFlow <= export + violation Degree (Deficit)CapacityMWFlow >= import + CapacityViolationDegree (Deficit) |
| CALCULATEDEXPORTLIMIT | NUMBER(12,2) | | Calculated Interconnector limit of exporting energy on the basis of invoked constraints and static interconnector export limit |
| CALCULATEDIMPORTLIMIT | NUMBER(12,2) | | Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input |

| | | | |
|-------------------------|--------------|---|--|
| | | | interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow |
| LASTCHANGED | DATE | | Date the solution was loaded |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC |
| EXPORTLIMITCONSTRAINTID | VARCHAR2(20) | | ID of the constraint that sets the Interconnector Export Limit |
| IMPORTLIMITCONSTRAINTID | VARCHAR2(20) | | ID of the constraint that sets the Interconnector Import Limit |

29.74 Table: MTPASA_REGIONSOLUTION

29.74.1 MTPASA_REGIONSOLUTION

| | |
|---------|---|
| Name | MTPASA_REGIONSOLUTION |
| Comment | MTPASA_CASESOLUTION is obsolete from 2017 End of Year DM4.27 Release. The MTPASA_REGIONSOLUTION table shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each day and ldcblock of the study. |

29.74.2 Description

MTPASA_REGIONSOLUTION is public so is available to all participants.

Source

MTPASA_REGIONSOLUTION is updated each MTPASA run (i.e. weekly).

Volume

Rows per week: 29400

To store only the latest solution, divide these figures by 5 (number of weeks per month rounded up).

29.74.3 Primary Key Columns

- Name
- DAY
- ENERGYBLOCK
- LDCBLOCK
- REGIONID
- RUN_DATETIME
- RUN_NO
- RUNTYPE

29.74.4 Index Columns

- Name
- LASTCHANGED

29.74.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Date processing of the run begins |
| RUN_NO | NUMBER(3,0) | X | Unique run id. Generated from the solution file caseid |
| ENERGYBLOCK | DATE | X | Sunday at start of the week for this solutions energy block. Generated from the solution file energy block |
| DAY | DATE | X | Day this solution is for. Generated from the solution file periodid |
| LDCBLOCK | NUMBER(3,0) | X | LDC block this solution is for. Generated from the solution file periodid |
| REGIONID | VARCHAR2(10) | X | The unique region identifier |
| DEMAND10 | NUMBER(12,2) | | Input value for 10% probability demand |
| RESERVEREQ | NUMBER(12,2) | | Not used from 21/05/2010. Prior to 21/05/2010: Input reserve requirement |
| CAPACITYREQ | NUMBER(12,2) | | Not used from 21/05/2010. Prior to 21/05/2010: CA Demand + Reserve Requirement |
| ENERGYREQDEMAND10 | NUMBER(12,2) | | Sum of: (Region Period Demand - given Demand10)/PeriodLength(sum by Energy Block, entered in first period of energy block, GWh) |
| UNCONSTRAINEDCAPACITY | NUMBER(12,0) | | Region energy unconstrained MW capacity subject to network security constraints |
| CONSTRAINEDCAPACITY | NUMBER(12,0) | | Region energy constrained MW capacity subject to energy and network security constraints |
| NETINTERCHANGEUNDERSCAPACITY | NUMBER(12,2) | | Calculated in capacity adequacy evaluation: Export if > 0, Import if < 0. |
| SURPLUSCAPACITY | NUMBER(12,2) | | Regional surplus capacity MW, +/- values indicate surplus/deficit capacity |
| SURPLUSRESERVE | NUMBER(12,2) | | Not used from 21/05/2010. Prior to 21/05/2010: Regional reserve surplus. +/- |

| | | | |
|------------------------------------|--------------|---|--|
| | | | 0 values indicate surplus/deficit reserve |
| RESERVECONDITION | NUMBER(1,0) | | The regional reserve condition: 0 = Adequate, 1 = LRC |
| MAXSURPLUSRESERVE | NUMBER(12,2) | | The Maximum generation (MW) that could be withdrawn from this region without incurring a Low Reserve Condition. |
| MAXSPARECAPACITY | NUMBER(12,2) | | The Maximum Spare Capacity evaluated for this region in this period. Calculated for each region in turn |
| LORCONDITION | NUMBER(1,0) | | The LOR Condition determined from the Maximum Spare Capacity value: 0 = no condition, 1 = LOR1 condition, 2 = LOR2 condition, 3 = LOR3 condition |
| AGGREGATECAPACITYAVAILABLE | NUMBER(12,2) | | Sum of MAXAVAIL quantities offered by all Scheduled Generators in a given Region for a given PERIODID. |
| AGGREGATESCHEDULEDLOAD | NUMBER(12,2) | | Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID. |
| LASTCHANGED | DATE | | Date the solution was loaded |
| AGGREGATEPASAAVAILABILITY | NUMBER(12,0) | | Sum of PASAAVAILABILITY quantities offered by all Scheduled Generators in a given Region for a given PERIODID. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC |
| CALCULATEDLOR1LEVEL | NUMBER(16,6) | | Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency |
| CALCULATEDLOR2LEVEL | NUMBER(16,6) | | Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency |
| MSRNETINTERCHANGEUNDE RSCARCITY | NUMBER(12,2) | | Net interconnector flow from the region for this interval from the MSR assessment |
| LORNETINTERCHANGEUNDE RSCARCITY | NUMBER(12,2) | | Net interconnector flow from the region for this interval from the LOR assessment |
| TOTALINTERMITTENTGENERATION | NUMBER(15,5) | | Allowance made for non-scheduled generation in the demand forecast (MW). |

| | | | |
|---------------------------------|--------------|--|--|
| DEMAND50 | NUMBER(12,2) | | Input value for 50% probability demand |
| DEMAND_AND_NONSCHEDGEN | NUMBER(15,5) | | Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW). |
| UIGF | NUMBER(12,2) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW). |
| SEMISCHEDULEDCAPACITY | NUMBER(12,2) | | Aggregate Regional UIGF availability |
| LOR_SEMISCHEDULEDCAPACITY | NUMBER(12,2) | | Aggregate Regional UIGF availability for LOR |
| DEFICITRESERVE | NUMBER(16,6) | | Regional reserve deficit (MW) |
| MAXUSEFULRESPONSE | NUMBER(12,2) | | The Maximum market response (MW) needed for the region to eliminate a Low Reserve Condition (LRC) |
| MURNETINTERCHANGEUNDE RSCARCITY | NUMBER(12,2) | | Net interconnector flow from the region for this interval from the MRR assessment |
| LORTOTALINTERMITTENTGENERATION | NUMBER(15,5) | | Allowance made for non-scheduled generation in the LOR assessment |
| ENERGYREQDEMAND50 | number(12,2) | | Sum of: (Region Period Demand - given Demand50)/PeriodLength (sum by Energy Block, entered in first period of energy block, GWh) |

29.75 Table: MTPASA_RESERVELIMITSOLUTION

29.75.1 MTPASA_RESERVELIMITSOLUTION

| | |
|---------|---|
| Name | MTPASA_RESERVELIMITSOLUTION |
| Comment | MTPASA_RESERVELIMITSOLUTION is obsolete from 2017 End of Year DM4.27 Release. MT PASA Solution table reporting whether a MT PASA Reserve requirement is binding for each day and LDC block of the run. |

29.75.2 Description

Source

MTPASA_RESERVELIMITSOLUTION is updated each MTPASA run (i.e. weekly).

Volume

400,000 rows per year

29.75.3 Primary Key Columns

Name
DAY
ENERGYBLOCK
LDCBLOCK
RESERVELIMITID
RUN_DATETIME
RUN_NO
RUNTYPE

29.75.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-------------|-----------|--|
| RUN_DATETIME | DATE | X | Date processing of the run begins |
| RUN_NO | NUMBER(3,0) | X | Unique run ID. Generated from the solution file Case ID. |

| | | | |
|----------------|--------------|---|---|
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC |
| ENERGYBLOCK | DATE | X | Sunday at start of the week for this solutions energy block. Generated from the solution file energy block. |
| DAY | DATE | X | Day this solution is for. Generated from the solution file period id. |
| LDCBLOCK | NUMBER(3,0) | X | Load Duration Curve block this solution is for. Generated from the solution file period id. |
| RESERVELIMITID | VARCHAR2(20) | X | The unique identifier of the MT PASA LRC Reserve Requirement. |
| MARGINALVALUE | NUMBER(16,6) | | Marginal Value of the Reserve Requirement Constraint. A non-zero value indicates that the reserve requirement is binding. |
| LASTCHANGED | DATE | | Timestamp the record was last modified. |

29.76 Table: MTPASACONSTRAINTSOLUTION_D

29.76.1 MTPASACONSTRAINTSOLUTION_D

| | |
|---------|---|
| Name | MTPASACONSTRAINTSOLUTION_D |
| Comment | MTPASACONSTRAINTSOLUTION_D sets out MT PASA constraint solution results, where constraints are binding. |

29.76.2 Description

MTPASACONSTRAINTSOLUTION_D is public data.

Source

MTPASACONSTRAINTSOLUTION_D updates weekly.

Volume

Each run overwrites data from previous runs for all future dates. Growth is one record per newly effective constraint.

29.76.3 Primary Key Columns

| |
|---------------|
| Name |
| CONSTRAINT_ID |
| DATETIME |

29.76.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.76.5 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| DATETIME | DATE | X | Date constraint is binding |
| CONSTRAINT_ID | VARCHAR2(20) | X | Constraint Identifier |
| DEGREE_OF_VIOLATION | NUMBER(16,6) | | The degree in MW by which the constraint would be violated if the solution could not solve. This could be due to incorrect |

| | | | |
|--------------|------|--|--|
| | | | penalties etc. This figure should always be 0. |
| LASTCHANGED | DATE | | Last changed data and time. |
| RUN_DATETIME | DATE | | The run date and time |

29.77 Table: MTPASAINTERCONNECTORSOLUTION_D

29.77.1 MTPASAINTERCONNECTORSOLUTION_D

| | |
|---------|--|
| Name | MTPASAINTERCONNECTORSOLUTION_D |
| Comment | MTPASAINTERCONNECTORSOLUTION_D shows interconnector results for MT PASA, shown region by region. |

29.77.2 Description

MTPASAINTERCONNECTORSOLUTION_D is public data.

Source

MTPASAINTERCONNECTORSOLUTION_D updates weekly.

Volume

Each run overwrites data from previous runs for all future dates. Growth is one record per day per interconnector.

29.77.3 Primary Key Columns

| |
|-------------------|
| Name |
| DATETIME |
| INTERCONNECTOR_ID |

29.77.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.77.5 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|--|
| DATETIME | DATE | X | Date of results. One record for each day for next two years. |
| INTERCONNECTOR_ID | VARCHAR2(12) | X | Interconnector Identifier |

| | | | |
|------------------------------|--------------|--|--|
| POSITIVE_INTERCONNECTOR_FLOW | NUMBER(16,6) | | The MW flow out |
| POSITIVE_TRANSFER_LIMITS | NUMBER(16,6) | | The MW transfer limits out |
| POSITIVE_BINDING | VARCHAR2(10) | | Indication of a binding limit in the out direction |
| NEGATIVE_INTERCONNECTOR_FLOW | NUMBER(16,6) | | The MW flow in |
| NEGATIVE_TRANSFER_LIMITS | NUMBER(16,6) | | the MW transfer limits in |
| NEGATIVE_BINDING | VARCHAR2(10) | | Indication of a binding limit in the in direction |
| LASTCHANGED | DATE | | Last change date and time |
| RUN_DATETIME | DATE | | The run date and time |

29.78 Table: MTPASAREGIONSOLUTION_D

29.78.1 MTPASAREGIONSOLUTION_D

| | |
|---------|--|
| Name | MTPASAREGIONSOLUTION_D |
| Comment | MTPASAREGIONSOLUTION_D shows region results for MT PASA, showing predicted demand and any capacity limits. |

29.78.2 Description

MTPASAREGIONSOLUTION_D is public data.

Source

MTPASAREGIONSOLUTION_D updates weekly.

Volume

Each run overwrites data from previous runs for all future dates. Growth is one record per day per region.

29.78.3 Primary Key Columns

Name
DATETIME
REGION_ID

29.78.4 Index Columns

Name
LASTCHANGED

29.78.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|--|
| DATETIME | DATE | X | Date of results. One record for each day for next two years. |
| REGION_ID | VARCHAR2(12) | X | Region Identifier |
| RUN_DATETIME | DATE | | The run date and time |

| | | | |
|-----------------------------|--------------|--|---|
| RESERVE_CONDITION | VARCHAR2(50) | | The regional reserve condition |
| RESERVE_SURPLUS | NUMBER(16,6) | | Regional reserve surplus value |
| CAPACITY_REQUIREMENT | NUMBER(16,6) | | Capacity in MW required to meet demand |
| MINIMUM_RESERVE_REQUIREMENT | NUMBER(16,6) | | Minimum required regional reserve value |
| REGION_DEMAND_10POE | NUMBER(16,6) | | Regional 10% Probability of Exceedance demand forecast value |
| DEMAND_MINUS_SCHEDULED_LOAD | NUMBER(16,6) | | Regional demand minus the scheduled load value |
| CONSTRAINED_CAPACITY | NUMBER(16,6) | | The total regional capacity due to energy and network constraints |
| UNCONSTRAINED_CAPACITY | NUMBER(16,6) | | The total regional capacity, subject to network constraints. |
| NET_INTERCHANGE | NUMBER(16,6) | | Regional net MW import via interconnectors |
| ENERGY_REQUIREMENT_10POE | NUMBER(16,6) | | Regional energy required to meet demand |
| REPORTED_BLOCK_ID | NUMBER(16,6) | | The load duration curve block that is recorded in the report. |
| LASTCHANGED | DATE | | Last change date and time. |

29.79 Table: OARTRACK

29.79.1 OARTRACK

| | |
|---------|---|
| Name | OARTRACK |
| Comment | OARTRACK shows an audit trail of bids for a particular settlement day. Corrupt bids do not update OARTRACK, but are just in OFFERFILETRK. |

29.79.2 Description

Not in Use - discontinued 16/11/2003

Status

The OARTRACK table is obsolete. Please refer to BIDOFFERFILETRK. As a transition assist, the OARTRACK views expose data based on BIDOFFERFILETRK.

Source

Own (confidential) data updates as bids are processed. All bids are available as part of next day market data.

29.79.3 Primary Key Columns

Name
 OFFERDATE
 PARTICIPANTID
 SETTLEMENTDATE
 VERSIONNO

29.79.4 Index Columns

Name
 LASTCHANGED

29.79.5 Index Columns

Name
 PARTICIPANTID

29.79.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|-----------------------------------|
| SETTLEMENTDATE | DATE | X | Settlement date |
| OFFERDATE | DATE | X | Date file offered |
| VERSIONNO | NUMBER(3,0) | X | Version no for this offer date |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| FILENAME | VARCHAR2(40) | | Load file name |
| AUTHORISEDDATE | DATE | | Date record authorised |
| AUTHORISEDBY | VARCHAR2(10) | | User authorising record |
| LASTCHANGED | DATE | | Last date and time record changed |

29.80 Table: OFFERFILETRK

29.80.1 OFFERFILETRK

Name OFFERFILETRK

Comment OFFERFILETRK shows an audit trail of all bid files submitted containing energy bids, including corrupt bids/rebids.

29.80.2 Description

Status

OFFERFILETRK is obsolete. Please see BIDOFFERFILETRK.

Source

OFFERFILETRK is obsolete.

29.80.3 Primary Key Columns

Name

FILENAME

OFFERDATE

PARTICIPANTID

29.80.4 Index Columns

Name

LASTCHANGED

29.80.5 Index Columns

Name

PARTICIPANTID

29.80.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|-----------------------------------|
| OFFERDATE | DATE | X | Date file offered |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| STATUS | VARCHAR2(10) | | Load status [SUCCESSFUL/CORRUPT] |
| ACKFILENAME | VARCHAR2(40) | | Acknowledge file name |
| ENDDATE | DATE | | Not used |
| FILENAME | VARCHAR2(40) | X | Load file name |
| LASTCHANGED | DATE | | Last date and time record changed |

29.81 Table: OFFERGOVDATA

29.81.1 OFFERGOVDATA

| | |
|---------|---|
| Name | OFFERGOVDATA |
| Comment | OFFERGOVDATA sets out reoffers of governor (6 and 60 second FCAS) availability. |

29.81.2 Description

Not in Use - discontinued 30/09/2001

Confidential to participant

Source

Updated as reoffers process.

29.81.3 Primary Key Columns

Name
 CONTRACTID
 EFFECTIVEDATE
 PERIODID
 VERSIONNO

29.81.4 Index Columns

Name
 LASTCHANGED

29.81.5 Index Columns

Name
 CONTRACTID

29.81.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| CONTRACTID | VARCHAR2(10) | X | Contract Version No. |
| EFFECTIVEDATE | DATE | X | Effective Date of Re-Offer |
| VERSIONNO | NUMBER(3,0) | X | Version No. of Re-Offer |
| PERIODID | NUMBER(3,0) | X | Market day trading interval number |
| SEC6AVAILUP | NUMBER(6,0) | | Availability for 6 Second Raise (0 or 1. '0'= unavailable, '1' = available) |
| SEC6AVAILDOWN | NUMBER(6,0) | | Availability for 6 Second Lower (0 or 1) |
| SEC60AVAILUP | NUMBER(6,0) | | Availability for 60 Second Raise (0 or 1) |
| SEC60AVAILDOWN | NUMBER(6,0) | | Availability for 60 Second Lower (0 or 1) |
| AUTHORISEDDATE | DATE | | Date Contract was Authorised |
| AUTHORISEDBY | VARCHAR2(15) | | User Name |
| FILENAME | VARCHAR2(40) | | File name of Re-Offer file |
| LASTCHANGED | DATE | | Last date and time record changed |

29.82 Table: OFFERLOADINGDATA

29.82.1 OFFERLOADINGDATA

| | |
|---------|---|
| Name | OFFERLOADINGDATA |
| Comment | OFFERLOADINGDATA shows reoffers of rapid unit loading capability. |

29.82.2 Description

Not in Use - discontinued 30/09/2001

OFFERLOADINGDATA data is confidential to each participant.

Source

OFFERLOADINGDATA updated as reoffers processed.

29.82.3 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID
VERSIONNO

29.82.4 Index Columns

Name
LASTCHANGED

29.82.5 Index Columns

Name
CONTRACTID

29.82.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|------------------------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract identifier |
| EFFECTIVEDATE | DATE | X | Effective date of contract |
| VERSIONNO | NUMBER(3,0) | X | Version No of contract |
| AVAILABLELOAD | NUMBER(4,0) | | Available load |
| AUTHORISEDDATE | DATE | | Authorised date |
| AUTHORISEDBY | VARCHAR2(15) | | Authorised by |
| FILENAME | VARCHAR2(40) | | Name of reoffer file |
| LASTCHANGED | DATE | | Last date and time record changed |
| PERIODID | NUMBER(3,0) | X | Market day trading interval number |

29.83 Table: OFFERUNLOADINGDATA

29.83.1 OFFERUNLOADINGDATA

| | |
|---------|---|
| Name | OFFERUNLOADINGDATA |
| Comment | OFFERUNLOADINGDATA shows reoffers of rapid unit unloading capability. |

29.83.2 Description

Not in Use - discontinued 30/09/2001

OFFERUNLOADINGDATA data is confidential to the relevant participant.

Source

OFFERUNLOADINGDATA updates as reoffers processed.

29.83.3 Primary Key Columns

Name
CONTRACTID
EFFECTIVEDATE
PERIODID
VERSIONNO

29.83.4 Index Columns

Name
LASTCHANGED

29.83.5 Index Columns

Name
CONTRACTID

29.83.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|------------------------------------|
| CONTRACTID | VARCHAR2(10) | X | Contract identifier |
| EFFECTIVEDATE | DATE | X | Market date of reoffer |
| VERSIONNO | NUMBER(3,0) | X | Version No of reoffer |
| AVAILABLELOAD | NUMBER(4,0) | | Available load |
| AUTHORISEDDATE | DATE | | Authorised date |
| AUTHORISEDBY | VARCHAR2(15) | | Authorised by |
| FILENAME | VARCHAR2(40) | | Name of reoffer file |
| LASTCHANGED | DATE | | Last date and time record changed |
| PERIODID | NUMBER(3,0) | X | Market day trading interval number |

29.84 Table: PASACASESOLUTION

29.84.1 PASACASESOLUTION

| | |
|---------|---|
| Name | PASACASESOLUTION |
| Comment | PASACASESOLUTION sets out ST PASA case listing providing details of each STPASA case run. |

29.84.2 Description

PASACASESOLUTION is obsolete on 27 March 2002

PASACASESOLUTION is public data, so is available to all participants.

Source

PASACASESOLUTION is not used; was updated every 2 hours.

29.84.3 Primary Key Columns

| |
|--------|
| Name |
| CASEID |

29.84.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.84.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|---------------|-----------|---------------------------------|
| CASEID | VARCHAR2(20) | X | PASA Case Identifier |
| SOLUTIONCOMPLETE | NUMBER(16,6) | | Not used |
| PASAVERSION | NUMBER(27,10) | | Software version identifier |
| EXCESSGENERATION | NUMBER(16,6) | | Excess generation detected flag |
| DEFICITCAPACITY | NUMBER(16,6) | | Deficit capacity detected flag |

| | | | |
|-------------|------|--|------------------------------------|
| LASTCHANGED | DATE | | Last date and time record changed |
| DATETIME | DATE | | Scheduled date and time of the run |

29.85 Table: PASACONSTRAINTSOLUTION

29.85.1 PASACONSTRAINTSOLUTION

| | |
|---------|---|
| Name | PASACONSTRAINTSOLUTION |
| Comment | PASACONSTRAINTSOLUTION records the latest binding STPASA constraint details for each period. For each solution, the latest recalculation for each period overwrites the previous entry. |

29.85.2 Description

PASACONSTRAINTSOLUTION is obsolete on 27 March 2002

PASACONSTRAINTSOLUTION is public data, so is available to all participants.

Source

PASACONSTRAINTSOLUTION is not used; was updated every 2 hours.

29.85.3 Primary Key Columns

| |
|--------------|
| Name |
| CONSTRAINTID |
| PERIODID |

29.85.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.85.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|-------------------------------|
| CASEID | VARCHAR2(20) | X | PASA Case Identifier |
| CONSTRAINTID | VARCHAR2(20) | X | Generic Constraint Id |
| PERIODID | VARCHAR2(20) | X | PASA Interval (48 half hours) |

| | | | |
|--------------------------|--------------|--|---|
| CAPACITYMARGINALVALUE | NUMBER(16,6) | | Binding value of capacity and adequacy (if insufficient to measure) |
| CAPACITYVIOLATIONDEGREE | NUMBER(16,6) | | Deficit MW of surplus capacity |
| EXCESSGENMARGINALVALUE | NUMBER(16,6) | | Binding value of dispatch generator above aggregate self dispatch |
| EXCESSGENVIOLATIONDEGREE | NUMBER(16,6) | | Deficit of generator above aggregate self dispatch level |
| LASTCHANGED | DATE | | Last date and time record changed |
| DATETIME | DATE | | Date and time of the end of the period |

29.86 Table: PASAINTERCONNECTORSOLUTION

29.86.1 PASAINTERCONNECTORSOLUTION

| | |
|---------|--|
| Name | PASAINTERCONNECTORSOLUTION |
| Comment | PASAINTERCONNECTORSOLUTION records ST PASA interconnector solutions for the latest period. |

29.86.2 Description

PASAINTERCONNECTORSOLUTION is obsolete on 27 March 2002

PASAINTERCONNECTORSOLUTION is public data, so is available to all participants.

Source

PASAINTERCONNECTORSOLUTION is unused; was updated every 2 hours.

29.86.3 Primary Key Columns

| |
|------------------|
| Name |
| INTERCONNECTORID |
| PERIODID |

29.86.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.86.5 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|-------------------------------|
| CASEID | VARCHAR2(20) | X | PASA Case Identifier |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector Id |
| PERIODID | VARCHAR2(20) | X | PASA Interval (48 half hours) |
| CAPACITYMWFLOW | NUMBER(16,6) | | Capacity MW flow |

| | | | |
|--------------------------|--------------|--|--|
| CAPACITYMARGINALVALUE | NUMBER(16,6) | | Marginal value in capacity |
| CAPACITYVIOLATIONDEGREE | NUMBER(16,6) | | Violation value in capacity |
| EXCESSGENMWFLOW | NUMBER(16,6) | | Excess generation MW flow |
| EXCESSGENMARGINALVALUE | NUMBER(16,6) | | Marginal value in excess generation |
| EXCESSGENVIOLATIONDEGREE | NUMBER(16,6) | | Violation value in excess generation |
| LASTCHANGED | DATE | | Last date and time record changed |
| IMPORTLIMIT | NUMBER(15,5) | | Calculated import limit |
| EXPORTLIMIT | NUMBER(15,5) | | Calculated export limit |
| DATETIME | DATE | | Date and time of the end of the period |

29.87 Table: PASAREGIONSOLUTION

29.87.1 PASAREGIONSOLUTION

| | |
|---------|--|
| Name | PASAREGIONSOLUTION |
| Comment | PASAREGIONSOLUTION shows the Regional solution for ST PASA showing reserves for each half-hour period. This table (PASAREGIONSOLUTION_D) shows the latest calculated result for each period. |

29.87.2 Description

PASAREGIONSOLUTION is obsolete on 27 March 2002.

PASAREGIONSOLUTION is public data, so is available to all participants.

Source

PASAREGIONSOLUTION is not used; was updated every 2 hours.

29.87.3 Primary Key Columns

| |
|----------|
| Name |
| PERIODID |
| REGIONID |

29.87.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.87.5 Content

| Name | Data Type | Mandatory | Comment |
|----------|--------------|-----------|-------------------------------|
| CASEID | VARCHAR2(20) | X | PASA Case Identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | VARCHAR2(20) | X | PASA Interval (48 half hours) |

| | | | |
|---------------------------------|--------------|--|--|
| DEMAND10 | NUMBER(16,6) | | 10% exceedence forecast |
| DEMAND50 | NUMBER(16,6) | | 50% exceedence forecast |
| DEMAND90 | NUMBER(16,6) | | 90% exceedence forecast |
| UNCONSTRAINEDCAPACITY | NUMBER(16,6) | | Unconstrained capacity |
| CONSTRAINEDCAPACITY | NUMBER(16,6) | | Constrained capacity |
| CAPACITYSURPLUS | NUMBER(16,6) | | Surplus capacity |
| RESERVEREQ | NUMBER(16,6) | | Reserve requirement |
| RESERVECONDITION | NUMBER(16,6) | | Reserve condition |
| RESERVESURPLUS | NUMBER(16,6) | | Reserve surplus |
| LOADREJECTIONRESERVE EQ | NUMBER(16,6) | | Load rejection reserve requirement |
| LOADREJECTIONRESERVE SURPLUS | NUMBER(16,6) | | Load rejection reserve surplus |
| NETINTERCHANGEUNDEREX CESS | NUMBER(16,6) | | Net interchange excess |
| NETINTERCHANGEUNDERSC ARCITY | NUMBER(16,6) | | Net interchange scarcity |
| LASTCHANGED | DATE | | Last date and time record changed |
| EXCESSGENERATION | NUMBER(22,0) | | Excess generation in period OR Deficit generation if VoLL |
| ENERGYREQUIRED | NUMBER(15,5) | | Total amount of energy required for the reported day |
| CAPACITYREQUIRED | NUMBER(15,5) | | Trading interval demand for the region that has a 10% probability of being exceeded, plus the medium term capacity reserve standard. |
| DATETIME | DATE | | Date and time of the end of the period |

29.88 Table: PEROFFER

29.88.1 PEROFFER

| | |
|---------|--|
| Name | PEROFFER |
| Comment | <p>PEROFFER contains the half-hourly period details of daily bids and rebids, to be used in conjunction with DAYOFFER. These views provide period varying details such as rate of change up (ROCUP), rate of change down (ROCDOWN) and band quantities (BANDAVAIL from 1 to 10).</p> <p>PEROFFER is a child table of DAYOFFER.</p> |

29.88.2 Description

Status

PEROFFER is obsolete. please see BIDPEROFFER. For a transition period, PEROFFER data continued to exist, being based on BIDPEROFFER.

Source

PEROFFER is obsolete; confidential data was updated for each bid and rebid, with full visibility of rest of market were updated daily as part of next day data.

29.88.3 Primary Key Columns

Name
 DUID
 OFFERDATE
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

29.88.4 Index Columns

Name
 LASTCHANGED

29.88.5 Index Columns

Name

DUID

LASTCHANGED

29.88.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:00am |
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |
| OFFERDATE | DATE | X | Offer date made |
| PERIODID | NUMBER(3,0) | X | Period identifier |
| VERSIONNO | NUMBER(3,0) | X | Version number of offer |
| SELFDISPATCH | NUMBER(12,6) | | Not used |
| MAXAVAIL | NUMBER(12,6) | | Maximum plant availability |
| FIXEDLOAD | NUMBER(12,6) | | Fixed unit output MW. A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load) |
| ROCUP | NUMBER(6,0) | | MW/min for raise |
| ROCDOWN | NUMBER(6,0) | | MW/Min for lower |
| BANDAVAIL1 | NUMBER(6,0) | | Availability at price band 1 |
| BANDAVAIL2 | NUMBER(6,0) | | Availability at price band 2 |
| BANDAVAIL3 | NUMBER(6,0) | | Availability at price band 3 |
| BANDAVAIL4 | NUMBER(6,0) | | Availability at price band 4 |
| BANDAVAIL5 | NUMBER(6,0) | | Availability at price band 5 |
| BANDAVAIL6 | NUMBER(6,0) | | Availability at price band 6 |
| BANDAVAIL7 | NUMBER(6,0) | | Availability at price band 7 |
| BANDAVAIL8 | NUMBER(6,0) | | Availability at price band 8 |

| | | | |
|------------------|--------------|--|---|
| BANDAVAIL9 | NUMBER(6,0) | | Availability at price band 9 |
| BANDAVAIL10 | NUMBER(6,0) | | Availability at price band 10 |
| LASTCHANGED | DATE | | Last date and time record changed |
| PASAAVAILABILITY | NUMBER(12,0) | | The physical plant capability including any capability potentially available within 24 hours. |
| MR_CAPACITY | NUMBER(6,0) | | Mandatory Restriction Offer amount |

29.89 Table: PEROFFER_D

29.89.1 PEROFFER_D

| | |
|---------|--|
| Name | PEROFFER_D |
| Comment | <p>PEROFFER_D contains the half-hourly period details of daily bids and rebids, to be used in conjunction with DAYOFFER_D. These views provide period varying details such as rate of change up (ROCUP), rate of change down (ROCDOWN) and band quantities (BANDAVAIL from 1 to 10).</p> <p>PEROFFER_D is a child table of DAYOFFER_D.</p> |

29.89.2 Description

Not in Use - discontinued 16/11/2003

Status

PEROFFER and its related views are obsolete. please see BIDPEROFFER views. For a transition period, the PEROFFER views exist, being based on the BIDPEROFFER table.

Source

PEROFFER is obsolete; confidential data was updated for each bid and rebid, with full visibility of rest of market were updated daily as part of next day data.

29.89.3 Primary Key Columns

Name

DUID

OFFERDATE

PERIODID

SETTLEMENTDATE

VERSIONNO

29.89.4 Index Columns

Name

LASTCHANGED

29.89.5 Index Columns

Name

DUID

LASTCHANGED

29.89.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Market date starting at 04:00am |
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |
| OFFERDATE | DATE | X | Offer date made |
| PERIODID | NUMBER(3,0) | X | Period identifier |
| VERSIONNO | NUMBER(3,0) | X | Version number of offer |
| SELFDISPATCH | NUMBER(12,6) | | Not used |
| MAXAVAIL | NUMBER(12,6) | | Maximum plant availability |
| FIXEDLOAD | NUMBER(12,6) | | Fixed unit output MW. A value of zero means no fixed load so the unit is dispatched according to bid and market (rather than zero fixed load) |
| ROCUP | NUMBER(6,0) | | MW/min for raise |
| ROCDOWN | NUMBER(6,0) | | MW/Min for lower |
| BANDAVAIL1 | NUMBER(6,0) | | Availability at price band 1 |
| BANDAVAIL2 | NUMBER(6,0) | | Availability at price band 2 |
| BANDAVAIL3 | NUMBER(6,0) | | Availability at price band 3 |
| BANDAVAIL4 | NUMBER(6,0) | | Availability at price band 4 |
| BANDAVAIL5 | NUMBER(6,0) | | Availability at price band 5 |
| BANDAVAIL6 | NUMBER(6,0) | | Availability at price band 6 |
| BANDAVAIL7 | NUMBER(6,0) | | Availability at price band 7 |

| | | | |
|------------------|--------------|--|---|
| BANDAVAIL8 | NUMBER(6,0) | | Availability at price band 8 |
| BANDAVAIL9 | NUMBER(6,0) | | Availability at price band 9 |
| BANDAVAIL10 | NUMBER(6,0) | | Availability at price band 10 |
| LASTCHANGED | DATE | | Last date and time record changed |
| PASAAVAILABILITY | NUMBER(12,0) | | The physical plant capability including any capability potentially available within 24 hours. |
| MR_CAPACITY | NUMBER(6,0) | | Mandatory Restriction Offer amount |

29.90 Table: PREDISPATCBIDTRK

29.90.1 PREDISPATCBIDTRK

Name PREDISPATCBIDTRK

Comment PREDISPATCBIDTRK contains an audit trail of bids used in each predispatch run. Where predispatch is over 2 days, two bids are listed.

29.90.2 Description

Status

PREDISPATCHOFFERTRK and related views are obsolete. Please see tables and views related to BIDPEROFFER.

Source

Own (confidential) data shows via inserts with every thirty-minute predispatch. Daily update after close of day shows all market bids for the closed day.

Period date and time

29.90.3 Primary Key Columns

Name

DUID

PERIODID

PREDISPATCHSEQNO

29.90.4 Index Columns

Name

LASTCHANGED

29.90.5 Index Columns

Name

DUID

LASTCHANGED

29.90.6 Index Columns

Name

DUID

SETTLEMENTDATE

29.90.7 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| PREDISPATCHSEQNO | VARCHAR2(20) | X | Unique identifier of predispach run in the form YYYYMMDDPP with 01 at 04:30 |
| DUID | VARCHAR2(10) | X | Dispatchable Unit identifier |
| PERIODID | VARCHAR2(20) | X | PERIODID is just a period count, starting from 1 for each predispach run. Use DATETIME to determine half hour period. |
| BIDTYPE | VARCHAR2(10) | | Bid type (daily, default or rebid) |
| OFFERDATE | DATE | | Offer date for bid |
| VERSIONNO | NUMBER(3,0) | | Version no of offer for the offer date |
| LASTCHANGED | DATE | | Last date and time record changed |
| SETTLEMENTDATE | DATE | | Market Settlement Date |
| DATETIME | DATE | | Period date and time |

29.91 Table: REALLOCATIONDETAILS

29.91.1 REALLOCATIONDETAILS

Name REALLOCATIONDETAILS

Comment REALLOCATIONDETAILS sets out specific reallocation agreements.

29.91.2 Description

Not in Use - discontinued 10/06/2004

Source

As changes occur.

29.91.3 Primary Key Columns

Name

EFFECTIVEDATE

REALLOCATIONID

VERSIONNO

29.91.4 Index Columns

Name

LASTCHANGED

29.91.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| REALLOCATIONID | VARCHAR2(20) | X | Identification of the reallocation agreement |
| EFFECTIVEDATE | DATE | X | Calendar settlement date the agreement starts from |
| VERSIONNO | NUMBER(3,0) | X | Version number on the effective date, highest is the reallocation used on that |

| | | | |
|----------------|--------------|--|-----------------------------------|
| | | | date |
| AUTHORISEDDATE | DATE | | Date the entry was authorised |
| AUTHORISEDBY | VARCHAR2(10) | | User who authorised the record |
| LASTCHANGED | DATE | | Last date and time record changed |

29.92 Table: REALLOCATIONINTERVALS

29.92.1 REALLOCATIONINTERVALS

| | |
|---------|--|
| Name | REALLOCATIONINTERVALS |
| Comment | REALLOCATIONINTERVALS identifies the the reallocation agreement and provides the corresponding reallocation profiles submitted by the participant and accepted by AEMO |

29.92.2 Description

Not in Use - discontinued 10/06/2004

Source

Only populated if a reallocation contract has been submitted and accepted by AEMO.

Volume

Generally 144 rows are inserted by week.

29.92.3 Primary Key Columns

Name

EFFECTIVEDATE

PERIODID

REALLOCATIONID

VERSIONNO

29.92.4 Index Columns

Name

LASTCHANGED

29.92.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|------------------------------------|
| REALLOCATIONID | VARCHAR2(20) | X | Identification of the reallocation |

| | | | |
|-------------------|-------------|---|---|
| | | | agreement |
| EFFECTIVEDATE | DATE | X | Date the agreement starts from |
| VERSIONNO | NUMBER(3,0) | X | Version number on the effective date, highest is the reallocation used on that date |
| PERIODID | NUMBER(3,0) | X | Period number where period 1 use the half hour ended 00:30 EST |
| REALLOCATIONVALUE | NUMBER(6,2) | | Either \$ or MWh depending on agreement type |
| LASTCHANGED | DATE | | Last date and time record changed |

29.93 Table: REALLOCATIONS

29.93.1 REALLOCATIONS

| | |
|---------|---|
| Name | REALLOCATIONS |
| Comment | REALLOCATIONS shows reallocation agreement identifiers with corresponding start and end dates of submitted reallocations as accepted by AEMO. |

29.93.2 Description

Not in Use - discontinued 10/06/2004

Source

This view is populated upon submission of a reallocation contract and accepted by AEMO.

Volume

Generally 3 rows are inserted by week.

29.93.3 Primary Key Columns

| |
|----------------|
| Name |
| REALLOCATIONID |

29.93.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.93.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| REALLOCATIONID | VARCHAR2(20) | X | Identification of the reallocation agreement |
| STARTDATE | DATE | | Starting data for the agreement |
| STARTPERIOD | NUMBER(3,0) | | Starting period number |
| ENDDATE | DATE | | Ending date for the agreement |

| | | | |
|----------------------|--------------|--|--|
| ENDPERIOD | NUMBER(3,0) | | Ending period number |
| PARTICIPANTTOID | VARCHAR2(10) | | Participant who receives the money |
| PARTICIPANTFROMID | VARCHAR2(10) | | Participant who provides the money |
| AGREEMENTTYPE | VARCHAR2(10) | | Either \$ or MWh |
| DEREGISTRATIONDATE | DATE | | Not used |
| DEREGISTRATIONPERIOD | NUMBER(3,0) | | Not used |
| REGIONID | VARCHAR2(10) | | Place where the RRP is taken for the agreement |
| LASTCHANGED | DATE | | Last date and time record changed |

29.94 Table: REGIONFCASRELAXATION_OCD

29.94.1 REGIONFCASRELAXATION_OCD

| | |
|---------|---|
| Name | REGIONFCASRELAXATION_OCD |
| Comment | <p>REGIONFCASRELAXATION_OCD contains details of regional FCAS requirements relaxed in the over-constrained dispatch (OCD) re-run (if there was one).</p> <p>Note: INTERVENTION is not included in REGIONFCASRELAXATION_OCD since the relaxation of the FCAS requirement is the same amount in both intervened and non-intervened cases.</p> |

29.94.2 Description

REGIONFCASRELAXATION_OCD data is public, so is available to all participants.

Source

The occurrences of Over-constrained dispatch (OCD) re-runs are ad hoc, with significant dependencies on the configuration or events in the physical power system.

Volume

Rows per day: ~2

Mb per month: <1

The estimates on the number of rows are based on a 1% occurrence rate for OCD runs.

Note

The DISPATCHCASESOLUTION results report with the existing CASESUBTYPE field as “OCD” when detecting over-constrained dispatch.

29.94.3 Primary Key Columns

| |
|----------------|
| Name |
| GLOBAL |
| REGIONID |
| RUNNO |
| SERVICETYPE |
| SETTLEMENTDATE |

29.94.4 Index Columns

Name

LASTCHANGED

29.94.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | End date and time of the dispatch interval |
| RUNNO | NUMBER(3,0) | X | Dispatch run no |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| SERVICETYPE | VARCHAR2(10) | X | Ancillary service type identifier (e.g. LOWER60SEC) |
| GLOBAL | NUMBER(1,0) | X | FCAS Requirement: 1 = global, 0 = local |
| REQUIREMENT | NUMBER(15,5) | | Relaxed Requirement used in attempt to avoid violation |
| LASTCHANGED | DATE | | Last date and time record changed |

29.95 Table: SET_CSP_DEROGATION_AMOUNT

29.95.1 SET_CSP_DEROGATION_AMOUNT

Name SET_CSP_DEROGATION_AMOUNT

Comment A settlement table for the publication of Snowy CSP derogation amounts.

29.95.2 Description

Source

Settlements data process is populated at the posting of a billing run in which it is included.

Volume

Estimated number of rows is 13440 for a based on the 35 settlement days posted per week. Note this data would only be delivered to the participant receiving payments from the derogation.

29.95.3 Primary Key Columns

Name

AMOUNT_ID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

29.95.4 Index Columns

Name

LASTCHANGED

29.95.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
|------|-----------|-----------|---------|

| | | | |
|-------------------|--------------|---|--|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3) | X | Settlement run number |
| PERIODID | NUMBER(3) | X | Period identifier |
| PARTICIPANTID | VARCHAR2(10) | X | The participant allocated the payment amount for the derogation. |
| AMOUNT_ID | VARCHAR2(20) | X | Amount identifier represented as a string, from "TA1" through to "TA6" (or "TA8" for a LYMMCO derogation result) |
| DEROGATION_AMOUNT | NUMBER(18,8) | | Derogation amount associated with the amount identifier |
| LASTCHANGED | DATE | | Last changed date for the record |

29.96 Table: SET_CSP_SUPPORTDATA_CONSTRAINT

29.96.1 SET_CSP_SUPPORTDATA_CONSTRAINT

Name SET_CSP_SUPPORTDATA_CONSTRAINT

Comment A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes the constraint-level information for each five minute interval in the settlement run

29.96.2 Description

Source

Settlements data process is populated at the posting of a billing run in which it is included.

Volume

Estimated number of rows is an average of 1000 per week based on the 35 settlement days posted per week.

29.96.3 Primary Key Columns

Name

CONSTRAINTID

INTERVAL_DATETIME

PERIODID

SETTLEMENTDATE

VERSIONNO

29.96.4 Index Columns

Name

LASTCHANGED

29.96.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
|------|-----------|-----------|---------|

| | | | |
|-----------------------|--------------|---|---|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3) | X | Settlement run number |
| INTERVAL_DATETIME | DATE | X | Dispatch interval identifier |
| CONSTRAINTID | VARCHAR2(20) | X | Constraint identifier |
| PERIODID | NUMBER(3) | X | Settlements trading interval identifier |
| MARGINALVALUE | NUMBER(18,8) | | Marginal value of the constraint |
| RHS | NUMBER(18,8) | | RHS value of the constraint |
| LOWERTUMUT_FACTOR | NUMBER(18,8) | | Value of the Lower Tumut left-hand term of the constraint |
| UPPERTUMUT_FACTOR | NUMBER(18,8) | | Value of the Upper Tumut left hand term of the constraint |
| LOWERTUMUT_CSPA_COEFF | NUMBER(18,8) | | LOWERTUMUT_FACTOR x MARGINALVALUE |
| UPPERTUMUT_CSPA_COEFF | NUMBER(18,8) | | UPPERTUMUT_FACTOR x MARGINALVALUE |
| ABS_X | NUMBER(18,8) | | Equal to RHS if the constraint direction is SOUTH, otherwise zero |
| ABS_Y | NUMBER(18,8) | | Equal to RHS if the constraint direction is NORTH, otherwise zero |
| LASTCHANGED | DATE | | Last changed date of the record |

29.97 Table: SET_CSP_SUPPORTDATA_ENERGYDIFF

29.97.1 SET_CSP_SUPPORTDATA_ENERGYDIFF

| | |
|---------|--|
| Name | SET_CSP_SUPPORTDATA_ENERGYDIFF |
| Comment | A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes energy differential information for each half-hour interval in the settlement run |

29.97.2 Description

THIS TABLE WILL BE DISCONTINUED AS PART OF THE END OF YEAR 2009 MMS RELEASESSource

Settlements data process is populated at the posting of a billing run in which it is included.

Volume

Estimated number of rows is an average of 1000 per week based on the 35 settlement days posted per week.

29.97.3 Primary Key Columns

| |
|----------------|
| Name |
| PERIODID |
| SETTLEMENTDATE |
| VERSIONNO |

29.97.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.97.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-----------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3) | X | Settlement run number |

| | | | |
|-----------------|--------------|---|--|
| PERIODID | NUMBER(3) | X | Period identifier |
| LOWERTUMUT_SPDP | NUMBER(18,8) | | Lower Tumut Substitute Price for the half hour interval |
| UPPERTUMUT_SPDP | NUMBER(18,8) | | Upper Tumut Substitute Price for the half hour interval |
| LOWERTUMUT_EVDP | NUMBER(18,8) | | Lower Tumut Energy Value Differential for the half hour interval |
| UPPERTUMUT_EVDP | NUMBER(18,8) | | Upper Tumut Energy Value Differential for the half hour interval |
| FLOW_DIRECTION | VARCHAR2(20) | | Indicates the determined direction of flow in the half hour. Will be either "NORTH" or "SOUTH" |
| TOTAL_X | NUMBER(18,8) | | Sum of all "ABS_X" values in the half hour |
| TOTAL_Y | NUMBER(18,8) | | Sum of all "ABS_Y" values in the half hour |
| LOWERTUMUT_AGE | NUMBER(18,8) | | Energy output of the Lower Tumut unit in the half hour interval |
| UPPERTUMUT_AGE | NUMBER(18,8) | | Energy output of the Upper Tumut unit in the half hour interval |
| EVA | NUMBER(18,8) | | Energy value adjustment for northward flows in the half-hour interval |
| LASTCHANGED | DATE | | Last changed date for the record |

29.98 Table: SET_CSP_SUPPORTDATA_SUBPRICE

29.98.1 SET_CSP_SUPPORTDATA_SUBPRICE

Name SET_CSP_SUPPORTDATA_SUBPRICE

Comment A settlements table for the publication of support data for the Snowy CSP derogation amounts. This table publishes substitution price information for each five minute interval in the settlement run

29.98.2 Description

Source

Settlements data process is populated at the posting of a billing run in which it is included.

Volume

Estimated number of rows is an average of 1000 per week based on the 35 settlement days posted per week.

29.98.3 Primary Key Columns

Name

INTERVAL_DATETIME

SETTLEMENTDATE

VERSIONNO

29.98.4 Index Columns

Name

LASTCHANGED

29.98.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-----------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3) | X | Settlement run number |

| | | | |
|--------------------------|--------------|---|---|
| INTERVAL_DATETIME | DATE | X | Dispatch interval identifier |
| PERIODID | NUMBER(3) | | Period identifier |
| RRP | NUMBER(18,8) | | SNOWY1 RRP for the dispatch interval |
| IS_CSP_INTERVAL | NUMBER(1) | | A flag to indicate whether a binding CSP constraint was present in the dispatch interval. A value of 1 indicates that CSP processing occurred due to a binding CSP constraint, while a value of 0 indicates that no binding CSP constraints were present in this interval |
| LOWERTUMUT_TLF | NUMBER(18,8) | | Transmission loss factor of the Lower Tumut unit |
| UPPERTUMUT_TLF | NUMBER(18,8) | | Transmission Loss factor of the Upper Tumut unit |
| LOWERTUMUT_PRICE | NUMBER(18,8) | | The dispatch price at the Lower Tumut node |
| UPPERTUMUT_PRICE | NUMBER(18,8) | | The dispatch price at the Upper Tumut node |
| LOWERTUMUT_CSPA_COEFF | NUMBER(18,8) | | Sum of CSPAxCOEFF for all constraints and Lower Tumut left-hand terms |
| UPPERTUMUT_CSPA_COEFF | NUMBER(18,8) | | Sum of CSPAxCOEFF for all constraints and Upper Tumut left-hand terms |
| LOWERTUMUT_SPDP_UNCAPPED | NUMBER(18,8) | | LOWERTUMUT_SPDP before VOLL or MPF capping is applied |
| UPPERTUMUT_SPDP_UNCAPPED | NUMBER(18,8) | | UPPERTUMUT_SPDP before VOLL or MPF capping is applied |
| LOWERTUMUT_SPDP | NUMBER(18,8) | | Substitute Price for Lower Tumut |
| UPPERTUMUT_SPDP | NUMBER(18,8) | | Substitute Price for Upper Tumut |
| INTERVAL_ABS_X | NUMBER(18,8) | | Sum of all ABS_X values for binding CSP constraints in the dispatch interval |
| INTERVAL_ABS_Y | NUMBER(18,8) | | Sum of all ABS_Y values for binding CSP constraints in the dispatch interval |
| LASTCHANGED | DATE | | Last changed date for the record |

29.99 Table: SET_MR_PAYMENT

29.99.1 SET_MR_PAYMENT

| | |
|---------|---|
| Name | SET_MR_PAYMENT |
| Comment | SET_MR_PAYMENT shows trading interval payments on a dispatchable unit basis for accepted MR capacity. |

29.99.2 Description

SET_MR_PAYMENT data is confidential to the relevant participant.

Source

SET_MR_PAYMENT updates are ad hoc, being for MR events only.

Volume

24000 rows per year

29.99.3 Primary Key Columns

Name
 DUID
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

29.99.4 Index Columns

Name
 LASTCHANGED

29.99.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|------------------|--------------|---|--|
| SETTLEMENTDATE | DATE | X | Settlement Date (Calendar) |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run Number for this date |
| REGIONID | VARCHAR2(10) | X | Unique Region Identifier |
| PARTICIPANTID | VARCHAR2(10) | | Unique Participant identifier |
| DUID | VARCHAR2(10) | X | Unique identifier for DUID / MNSP LinkID |
| PERIODID | NUMBER(3,0) | X | Calendar day Trading Interval number |
| MR_CAPACITY | NUMBER(16,6) | | Accepted MR Capacity |
| UNCAPPED_PAYMENT | NUMBER(16,6) | | Uncapped Trading Interval Payment |
| CAPPED_PAYMENT | NUMBER(16,6) | | Capped Trading Interval Payment |
| LASTCHANGED | DATE | | Date/Time record inserted/modified |

29.100 Table: SET_MR_RECOVERY

29.100.1 SET_MR_RECOVERY

| | |
|---------|---|
| Name | SET_MR_RECOVERY |
| Comment | SET_MR_RECOVERY shows the trading interval recovery charges on a dispatchable unit basis for spot market income from dispatch of MR capacity. |

29.100.2 Description

SET_MR_RECOVERY data is confidential to the relevant participant.

Source

SET_MR_RECOVERY updates are ad hoc, being for MR events only.

Volume

24000 rows per year

29.100.3 Primary Key Columns

Name
 DUID
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

29.100.4 Index Columns

Name
 LASTCHANGED

29.100.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|----------------|--------------|---|---|
| SETTLEMENTDATE | DATE | X | Settlement Date (Calendar) |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run Number for this date |
| REGIONID | VARCHAR2(10) | X | Unique Region Identifier |
| PARTICIPANTID | VARCHAR2(10) | | Unique Participant identifier |
| DUID | VARCHAR2(10) | X | Unique identifier for DUID / MNSP LinkID |
| PERIODID | NUMBER(3,0) | X | Calendar day Trading Interval number |
| ARODEF | NUMBER(16,6) | | Accepted Restriction Offer Dispatched Energy Factor |
| NTA | NUMBER(16,6) | | The amount payable to AEMO for that accepted restriction offer and trading interval |
| LASTCHANGED | DATE | | Date/Time record inserted/modified |

29.101 Table: SETAGCPAYMENT

29.101.1 SETAGCPAYMENT

| | |
|---------|--|
| Name | SETAGCPAYMENT |
| Comment | SETAGCPAYMENT sets out specific payment details for Automatic Generation Control (AGC) services by period. |

29.101.2 Description

SETAGCPAYMENT data is confidential to the relevant participant

Source

SETAGCPAYMENT updates with each settlement run.

29.101.3 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

29.101.4 Index Columns

Name
LASTCHANGED

29.101.5 Index Columns

Name
PARTICIPANTID

29.101.6 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| PERIODID | NUMBER(3,0) | X | Settlement Period Identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| TLF | NUMBER(7,5) | | Transmission Loss Factor of Unit |
| EBP | NUMBER(15,5) | | Eligible Bid Price |
| RRP | NUMBER(15,5) | | Regional Reference Price |
| CLEAREDMW | NUMBER(15,5) | | Cleared MW of Unit in Enabled Dispatch period |
| INITIALMW | NUMBER(15,5) | | Initial MW of Unit in Enabled Dispatch period |
| ENABLINGPAYMENT | NUMBER(15,5) | | Enabling Payment |
| CONTRACTVERSIONNO | NUMBER(3,0) | | AS contract version no |
| OFFERDATE | DATE | | Re-offer offer date |
| OFFERVERSIONNO | NUMBER(3,0) | | Re-Offer Version No. |
| LASTCHANGED | DATE | | Last date and time record changed |

29.102 Table: SETAGCRECOVERY

29.102.1 SETAGCRECOVERY

| | |
|---------|--|
| Name | SETAGCRECOVERY |
| Comment | SETAGCRECOVERY shows reimbursements for Automatic Generation Control (AGC) Ancillary Services to be recovered from participants. |

29.102.2 Description

SETAGCRECOVERY data is confidential to the relevant participant

Source

SETAGCRECOVERY updates with each settlement run.

29.102.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

29.102.4 Index Columns

Name

LASTCHANGED

29.102.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |

| | | | |
|-----------------------|--------------|---|--|
| PARTICIPANTID | VARCHAR2(10) | X | Participant to pay recovery |
| CONTRACTID | VARCHAR2(10) | | |
| PERIODID | NUMBER(3,0) | X | Trading Interval |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| ENBLINGPAYMENT | NUMBER(15,5) | | Enabling Payment |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Participant Demand in Region |
| REGIONDEMAND | NUMBER(15,5) | | Total Regional Demand |
| ENBLINGRECOVERY | NUMBER(15,5) | | Enabling Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |
| ENBLINGRECOVERY_GEN | NUMBER(15,5) | | Enabling Recovery for Generator |
| PARTICIPANTDEMAND_GEN | NUMBER(15,5) | | Participant Demand in Region for Generator |
| REGIONDEMAND_GEN | NUMBER(15,5) | | Total Regional Demand for Generator |

29.103 Table: SETAPCCOMPENSATION

29.103.1 SETAPCCOMPENSATION

| | |
|---------|--|
| Name | SETAPCCOMPENSATION |
| Comment | SETAPCCOMPENSATION shows Administered Price Cap (APC) compensation payments for each period. |

29.103.2 Description

SETAPCCOMPENSATION data is confidential to the relevant participant.

Source

SETAPCCOMPENSATION updates in settlement runs, as needed.

29.103.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

29.103.4 Index Columns

Name

LASTCHANGED

29.103.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--------------------------|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement run number |

| | | | |
|-----------------|--------------|---|---|
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Settlement period (based on calendar day) |
| APCCOMPENSATION | NUMBER(15,5) | | APC amount |
| LASTCHANGED | DATE | | Last date and time record changed |

29.104 Table: SETAPCRECOVERY

29.104.1 SETAPCRECOVERY

| | |
|---------|---|
| Name | SETAPCRECOVERY |
| Comment | SETAPCRECOVERY shows reimbursements for Administered Price Cap (APC) to be recovered from participants. |

29.104.2 Description

SETAPCRECOVERY data is confidential to the relevant participant.

Source

SETAPCRECOVERY updates with each settlement run.

29.104.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

29.104.4 Index Columns

Name

LASTCHANGED

29.104.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--------------------------|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement run number |

| | | | |
|-------------------|--------------|---|---|
| PARTICIPANTID | VARCHAR2(10) | X | Participant identifier |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Settlement period (based on calendar day) |
| TOTALCOMPENSATION | NUMBER(15,5) | | Total compensation |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Participant MW Demand |
| REGIONDEMAND | NUMBER(15,5) | | Total region demand |
| APCRECOVERY | NUMBER(15,5) | | APC Recovery amount |
| LASTCHANGED | DATE | | Last date and time record changed |

29.105 Table: SETFCASCOMP

29.105.1 SETFCASCOMP

| | |
|---------|---|
| Name | SETFCASCOMP |
| Comment | SETFCASCOMP shows the compensation details for Frequency Controlled Ancillary Services (FCAS). These compensation values are calculated by a separate "what if" run of the LP Solver and entered as an unconstrained MW value into settlements. |

29.105.2 Description

SETFCASCOMP data is confidential to the relevant participant

Source

SETFCASCOMP updates with each Settlement run, if required.

29.105.3 Primary Key Columns

Name
 DUID
 PARTICIPANTID
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

29.105.4 Index Columns

Name
 LASTCHANGED

29.105.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|-----------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |

| | | | |
|-----------------|--------------|---|---|
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| DUID | VARCHAR2(10) | X | Dispatchable Unit ID |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Period Identifier |
| CCPRICE | NUMBER(15,5) | | Compensation Cap |
| CLEAREDMW | NUMBER(15,5) | | Cleared MW of Unit in First Dispatch period in Trading Interval |
| UNCONSTRAINEDMW | NUMBER(15,5) | | Initial MW of Unit in First Dispatch period in Trading Interval |
| EBP | NUMBER(15,5) | | Eligible Bid Price |
| TLF | NUMBER(7,5) | | Transmission Loss Factor of Unit |
| RRP | NUMBER(15,5) | | Regional Reference Price |
| EXCESSGEN | NUMBER(15,5) | | Excess Generation Payment in trading interval |
| FCASCOMP | NUMBER(15,5) | | Frequency Control AS Compensation payment to Generator |
| LASTCHANGED | DATE | | |

29.106 Table: SETFCASRECOVERY

29.106.1 SETFCASRECOVERY

| | |
|---------|---|
| Name | SETFCASRECOVERY |
| Comment | SETFCASRECOVERY shows reimbursements for the Frequency Control Ancillary Services compensation. |

29.106.2 Description

Status

SETFCASRECOVERY is obsolete since the implementation of Ancillary Services Review. For more details, see Change Notice 126.

Confidential to the participant

Source

This view is updated with each Settlement run.

29.106.3 Primary Key Columns

Name
 PARTICIPANTID
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

29.106.4 Index Columns

Name
 LASTCHANGED

29.106.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement run no |
| DUID | VARCHAR2(10) | | Dispatchable Unit identifier |
| PARTICIPANTID | VARCHAR2(10) | X | Participant to pay recovery |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Settlement Period identifier |
| FCASCOMP | NUMBER(15,5) | | Frequency Control Ancillary Service Compensation Payment |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Participant Demand in Region |
| REGIONDEMAND | NUMBER(15,5) | | Total Regional demand |
| FCASRECOVERY | NUMBER(15,5) | | Frequency Control Ancillary Service recovery amount. |
| LASTCHANGED | DATE | | Date and Time last changed |
| FCASRECOVERY_GEN | NUMBER(15,5) | | Frequency Control Ancillary Service recovery amount for Generator |
| PARTICIPANTDEMAND_GEN | NUMBER(15,5) | | Participant Demand in Region for Generator |
| REGIONDEMAND_GEN | NUMBER(15,5) | | Total Regional Demand for Generator |

29.107 Table: SETGOVPAYMENT

29.107.1 SETGOVPAYMENT

| | |
|---------|---|
| Name | SETGOVPAYMENT |
| Comment | SETGOVPAYMENT shows specific payment details for Governor services by period. |

29.107.2 Description

SETGOVPAYMENT is planned to become unused when Ancillary Services Review is implemented. For more details, see Change Notice 126 (1 Sep 2000), Change Notice 126a (18 Sep 2000) and any subsequent Change Notices with the same number.

SETGOVPAYMENT data is confidential to each participant.

Frequency and source

SETGOVPAYMENT updates with each settlement run.

29.107.3 Primary Key Columns

Name

CONTRACTID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

29.107.4 Index Columns

Name

LASTCHANGED

29.107.5 Index Columns

Name

PARTICIPANTID

29.107.6 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| CONTRACTID | VARCHAR2(10) | X | Contract Identifier |
| PERIODID | NUMBER(3,0) | X | Period Identifier |
| DUID | VARCHAR2(10) | | Dispatchable Unit ID |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| TLF | NUMBER(7,5) | | Transmission Loss Factor of Unit |
| RL6SECRAISE | NUMBER(15,5) | | contract enabling price - 6 sec raise |
| RL60SECRAISE | NUMBER(15,5) | | contract enabling price - 60 sec raise |
| RL6SECLOWER | NUMBER(15,5) | | contract enabling price - 6 sec lower |
| RL60SECLOWER | NUMBER(15,5) | | contract enabling price - 60 sec lower |
| DEADBANDUP | NUMBER(7,5) | | contracted dead band up |
| DEADBANDDOWN | NUMBER(7,5) | | contracted dead band down |
| R6 | NUMBER(15,5) | | 6 sec raise response for 1% deviation in frequency (droop equation) |
| R60 | NUMBER(15,5) | | 60 sec raise response for 1% deviation in frequency (droop equation) |
| L6 | NUMBER(15,5) | | 6 sec lower response for 1% deviation in frequency (droop equation) |
| L60 | NUMBER(15,5) | | 60 sec lower response for 1% deviation in frequency (droop equation) |
| RL6 | NUMBER(15,5) | | 6 sec raise response limit equation |
| RL60 | NUMBER(15,5) | | 60 sec raise response limit equation |

| | | | |
|--------------------|--------------|--|-------------------------------------|
| LL6 | NUMBER(15,5) | | 6 sec lower response limit equation |
| LL60 | NUMBER(15,5) | | 6 sec lower response limit equation |
| ENABLING6RPAYMENT | NUMBER(15,5) | | 6 sec raise enabling payment |
| ENABLING60RPAYMENT | NUMBER(15,5) | | 60 sec raise enabling payment |
| ENABLING6LPAYMENT | NUMBER(15,5) | | 6 sec lower enabling payment |
| ENABLING60LPAYMENT | NUMBER(15,5) | | 60 sec lower enabling payment |
| CONTRACTVERSIONNO | NUMBER(3,0) | | AS contract version no |
| OFFERDATE | DATE | | re-offer offer date |
| OFFERVERSIONNO | NUMBER(3,0) | | re-offer offer version |
| LASTCHANGED | DATE | | Last date and time record changed |

29.108 Table: SETGOVRECOVERY

29.108.1 SETGOVRECOVERY

| | |
|---------|--|
| Name | SETGOVRECOVERY |
| Comment | SETGOVRECOVERY shows reimbursements for the Governor Ancillary Services to be recovered from participants. |

29.108.2 Description

SETGOVRECOVERY became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETGOVRECOVERY data is confidential to each participant.

Source

SETGOVRECOVERY updates with each settlement run.

29.108.3 Primary Key Columns

Name
 PARTICIPANTID
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

29.108.4 Index Columns

Name
 LASTCHANGED

29.108.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|-------------------------|--------------|---|---|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant to pay recovery |
| CONTRACTID | VARCHAR2(10) | | |
| PERIODID | NUMBER(3,0) | X | Trading Interval |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| ENABLING6RPAYMENT | NUMBER(15,5) | | Enabling Payment 6 Second Raise |
| ENABLING60RPAYMENT | NUMBER(15,5) | | Enabling Payment 60 Second Raise |
| ENABLING6LPAYMENT | NUMBER(15,5) | | Enabling Payment 6 Second Lower |
| ENABLING60LPAYMENT | NUMBER(15,5) | | Enabling Payment 60 Second Lower |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Participant Demand in Region |
| REGIONDEMAND | NUMBER(15,5) | | Total Regional Demand |
| ENABLING6RRECOVERY | NUMBER(15,5) | | Enabling Recovery 6 Second Raise |
| ENABLING60RRECOVERY | NUMBER(15,5) | | Enabling Recovery 60 Second Raise |
| ENABLING6LRECOVERY | NUMBER(15,5) | | Enabling Recovery 6 Second Lower |
| ENABLING60LRECOVERY | NUMBER(15,5) | | Enabling Recovery 60 Second Lower |
| LASTCHANGED | DATE | | Last date and time record changed |
| ENABLING6LRECOVERY_GEN | NUMBER(15,5) | | Enabling Recovery 6 Second Lower for Generator |
| ENABLING6RRECOVERY_GEN | NUMBER(15,5) | | Enabling Recovery 6 Second Raise for Generator |
| ENABLING60LRECOVERY_GEN | NUMBER(15,5) | | Enabling Recovery 60 Second Lower for Generator |
| ENABLING60RRECOVERY_GEN | NUMBER(15,5) | | Enabling Recovery 60 Second Raise for Generator |
| PARTICIPANTDEMAND_GEN | NUMBER(15,5) | | Participant Demand in Region for Generator |
| REGIONDEMAND_GEN | NUMBER(15,5) | | Total Regional Demand for Generator |

29.109 Table: SETINTERVENTION

29.109.1 SETINTERVENTION

| | |
|---------|--|
| Name | SETINTERVENTION |
| Comment | SETINTERVENTION shows intervention settlement payment details by unit. |

29.109.2 Description

SETINTERVENTION became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETINTERVENTION data is confidential to each participant.

Source

SETINTERVENTION is unused; was updating when intervention occurred in a billing run.

29.109.3 Primary Key Columns

Name
 DUID
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

29.109.4 Index Columns

Name
 LASTCHANGED

29.109.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|--------------------------|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |

| | | | |
|---------------------|--------------|---|---------------------------------------|
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PERIODID | NUMBER(3,0) | X | Settlement Period identifier |
| CONTRACTID | VARCHAR2(10) | | Intervention Contract Identifier |
| CONTRACTVERSION | NUMBER(3,0) | | Intervention Contract Version |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| DUID | VARCHAR2(10) | X | Dispatchable Unit ID |
| RCF | CHAR(1) | | Regional Recovery Flag |
| INTERVENTIONPAYMENT | NUMBER(12,5) | | Payment to Generator for Intervention |
| LASTCHANGED | DATE | | Last date and time record changed |

29.110 Table: SETINTERVENTIONRECOVERY

29.110.1 SETINTERVENTIONRECOVERY

| | |
|---------|---|
| Name | SETINTERVENTIONRECOVERY |
| Comment | SETINTERVENTIONRECOVERY shows intervention recovery details by participant. |

29.110.2 Description

Status

SETINTERVENTIONRECOVERY became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

Confidential to participant

Source

Unused; was updating when intervention occurred in a billing run.

29.110.3 Primary Key Columns

- Name
- CONTRACTID
- PARTICIPANTID
- PERIODID
- SETTLEMENTDATE
- VERSIONNO

29.110.4 Index Columns

- Name
- LASTCHANGED

29.110.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|---------------------|--------------|---|---|
| SETTLEMENTDATE | DATE | X | Calendar Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PERIODID | NUMBER(3,0) | X | Settlement Period identifier |
| CONTRACTID | VARCHAR2(10) | X | Intervention Contract Identifier |
| RCF | CHAR(1) | | Regional Recovery Flag |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| PARTICIPANTDEMAND | NUMBER(12,5) | | Demand of Participant in Region/Market |
| TOTALDEMAND | NUMBER(12,5) | | Total Demand of Region/Market |
| INTERVENTIONPAYMENT | NUMBER(12,5) | | Payment to Generator for Intervention |
| INTERVENTIONAMOUNT | NUMBER(12,5) | | Retailer Payment to Pool for Intervention |
| LASTCHANGED | DATE | | Last date and time record changed |
| REGIONID | VARCHAR2(10) | | Region Identifier |

29.111 Table: SETIRFMRECOVERY

29.111.1 SETIRFMRECOVERY

| | |
|---------|---|
| Name | SETIRFMRECOVERY |
| Comment | SETIRFMRECOVERY sets out reimbursements for Industrial Relations Force Majeure to be recovered from participants. |

29.111.2 Description

SETIRFMRECOVERY data is confidential to the relevant participant.

Source

SETIRFMRECOVERY updates with each settlement run.

29.111.3 Primary Key Columns

Name

IRFMID

PARTICIPANTID

PERIODID

SETTLEMENTDATE

VERSIONNO

29.111.4 Index Columns

Name

LASTCHANGED

29.111.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|-----------------|
| SETTLEMENTDATE | DATE | X | Settlement date |
| VERSIONNO | NUMBER(3,0) | X | Version number |

| | | | |
|-------------------|--------------|---|---|
| PERIODID | NUMBER(3,0) | X | Settlement period ID |
| IRFMID | VARCHAR2(10) | X | Industrial Relations Forced Majeure event number |
| IRMFVERSION | NUMBER(3,0) | | Industrial Relations Forced Majeure event number |
| PARTICIPANTID | VARCHAR2(10) | X | Participant unique identifier |
| PARTICIPANTDEMAND | NUMBER(12,5) | | Participant demand |
| TOTALTCD | NUMBER(12,5) | | Total non franchised load in Victoria. |
| TOTALTFD | NUMBER(12,5) | | Total franchised load in Victoria. |
| IRFMAMOUNT | NUMBER(12,5) | | Industrial Relations Forced Majeure event amount in \$. |
| IRFMPAYMENT | NUMBER(12,5) | | Industrial Relations Forced Majeure payment amount in \$. |
| LASTCHANGED | DATE | | Last date and time record changed |

29.112 Table: SETLLOADPAYMENT

29.112.1 SETLLOADPAYMENT

| | |
|---------|--|
| Name | SETLLOADPAYMENT |
| Comment | SETLLOADPAYMENT shows specific payment details for rapid unit load services by period. |

29.112.2 Description

SETLLOADPAYMENT became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETLLOADPAYMENT data is confidential to each participant.

Source

SETLLOADPAYMENT is unused; was updated with each settlement run.

29.112.3 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

29.112.4 Index Columns

Name
LASTCHANGED

29.112.5 Index Columns

Name

PARTICIPANTID

29.112.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|--|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| CONTRACTID | VARCHAR2(10) | X | AS Contract Identifier |
| PERIODID | NUMBER(3,0) | X | Trading Interval |
| DUID | VARCHAR2(10) | | Dispatchable Unit Identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| TLF | NUMBER(7,5) | | Transmission Loss Factor |
| EBP | NUMBER(15,5) | | Eligible Bid Price |
| RRP | NUMBER(15,5) | | Regional Reference Price |
| ENABLINGPRICE | NUMBER(15,5) | | Enabling Price |
| USAGEPRICE | NUMBER(15,5) | | Usage Price |
| CCPRICE | NUMBER(15,5) | | Compensation Cap |
| BLOCKSIZE | NUMBER(4,0) | | Indicates how much of the unit at one given time is available for the ancillary service. |
| ACR | NUMBER(6,2) | | Dispatch target |
| UNITOUTPUT | NUMBER(15,5) | | Unit output. |
| UNITEXCESSGEN | NUMBER(15,5) | | Excess Generation |
| ENABLINGPAYMENT | NUMBER(15,5) | | Enabling Payment |
| USAGEPAYMENT | NUMBER(15,5) | | Usage Payment |
| COMPENSATIONPAYMENT | NUMBER(15,5) | | Compensation Payment |
| CONTRACTVERSIONNO | NUMBER(3,0) | | Contract Version No. |

| | | | |
|----------------|-------------|--|-----------------------------------|
| OFFERDATE | DATE | | Re-offer offer date |
| OFFERVERSIONNO | NUMBER(3,0) | | Re-Offer Version No. |
| LASTCHANGED | DATE | | Last date and time record changed |

29.113 Table: SETLLOADRECOVERY

29.113.1 SETLLOADRECOVERY

| | |
|---------|---|
| Name | SETLLOADRECOVERY |
| Comment | SETLLOADRECOVERY shows reimbursements for rapid-unit-load Ancillary Services to be recovered from participants. |

29.113.2 Description

SETLLOADRECOVERY became unused when Ancillary Services Review was implemented. For more details, see Change Notice 126.

SETLLOADRECOVERY data is confidential to each participant.

Source

SETLLOADRECOVERY is unused; was updated with each settlement run.

29.113.3 Primary Key Columns

Name
 PARTICIPANTID
 PERIODID
 REGIONID
 SETTLEMENTDATE
 VERSIONNO

29.113.4 Index Columns

Name
 LASTCHANGED

29.113.5 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|--------------------------|--------------|---|--|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PARTICIPANTID | VARCHAR2(10) | X | Participant to pay recovery |
| CONTRACTID | VARCHAR2(10) | | AS Contract ID |
| PERIODID | NUMBER(3,0) | X | Trading Interval |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| ENABLINGPAYMENT | NUMBER(15,5) | | Enabling Payment |
| USAGEPAYMENT | NUMBER(15,5) | | Usage Payment |
| COMPENSATIONPAYMENT | NUMBER(15,5) | | Compensation Payment |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Participant Demand in Region |
| REGIONDEMAND | NUMBER(15,5) | | Total Regional Demand |
| ENABLINGRECOVERY | NUMBER(15,5) | | Enabling Recovery |
| USAGERECOVERY | NUMBER(15,5) | | Usage Recovery |
| COMPENSATIONRECOVERY | NUMBER(15,5) | | Compensation Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |
| ENABLINGRECOVERY_GEN | NUMBER(15,5) | | Enabling Recovery for Generator |
| USAGERECOVERY_GEN | NUMBER(15,5) | | Usage Recovery for Generator |
| COMPENSATIONRECOVERY_GEN | NUMBER(15,5) | | Compensation Recovery for Generator |
| PARTICIPANTDEMAND_GEN | NUMBER(15,5) | | Participant Demand in Region for Generator |
| REGIONDEMAND_GEN | NUMBER(15,5) | | Total Regional Demand for Generator |

29.114 Table: SETLUNLOADPAYMENT

29.114.1 SETLUNLOADPAYMENT

| | |
|---------|---|
| Name | SETLUNLOADPAYMENT |
| Comment | SETLUNLOADPAYMENT shows specific payment details for rapid unit unload service. |

29.114.2 Description

SETLUNLOADPAYMENT data is confidential to the relevant participant.

Source

SETLUNLOADPAYMENT updates with each settlement run.

29.114.3 Primary Key Columns

Name
CONTRACTID
PARTICIPANTID
PERIODID
SETTLEMENTDATE
VERSIONNO

29.114.4 Index Columns

Name
LASTCHANGED

29.114.5 Index Columns

Name
PARTICIPANTID

29.114.6 Content

| Name | Data Type | Mandatory | Comment |
|---------------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Settlement date |
| VERSIONNO | NUMBER(3,0) | X | Settlement run no |
| PARTICIPANTID | VARCHAR2(10) | X | Unique participant identifier |
| CONTRACTID | VARCHAR2(10) | X | Ancillary Services contract identifier |
| PERIODID | NUMBER(3,0) | X | Trading Interval |
| DUID | VARCHAR2(10) | | Dispatchable unit identifier |
| REGIONID | VARCHAR2(10) | | Region identifier |
| TLF | NUMBER(7,5) | | Transmission Loss Factor |
| EBP | NUMBER(15,5) | | Eligible bid price |
| RRP | NUMBER(15,5) | | Regional Reference Price |
| ENABLINGPRICE | NUMBER(15,5) | | Enabling price |
| USAGEPRICE | NUMBER(15,5) | | Usage Price |
| CCPRICE | NUMBER(15,5) | | Compensation cap |
| CLEAREDMW | NUMBER(15,5) | | Cleared MW of Unit in Dispatch, Predispatch or Trading period. |
| UNCONSTRAINEDMW | NUMBER(15,5) | | MW output the generator would have been running at had it not been constrained up to provide unit unloading |
| CONTROLRANGE | NUMBER(4,0) | | The MW output achieved in 5 minutes from startup and is what payment is based on. |
| ENABLINGPAYMENT | NUMBER(15,5) | | Enabling payment |
| USAGEPAYMENT | NUMBER(15,5) | | Usage Payment |
| COMPENSATIONPAYMENT | NUMBER(15,5) | | Compensation payment |
| CONTRACTVERSIONNO | NUMBER(3,0) | | Contract version number |
| OFFERDATE | DATE | | Re-offer offer date |
| OFFERVERSIONNO | NUMBER(3,0) | | Re-Offer Version No. |

| | | | |
|-------------|------|--|-------------------|
| LASTCHANGED | DATE | | Date last changed |
|-------------|------|--|-------------------|

29.115 Table: SETLUNLOADRECOVERY

29.115.1 SETLUNLOADRECOVERY

| | |
|---------|--|
| Name | SETLUNLOADRECOVERY |
| Comment | SETLUNLOADRECOVERY shows reimbursements for rapid unit unloading Ancillary Services to be recovered from participants. |

29.115.2 Description

SETLUNLOADRECOVERY data is confidential to the relevant participant.

Source

SETLUNLOADRECOVERY updates with each settlement run.

29.115.3 Primary Key Columns

Name

PARTICIPANTID

PERIODID

REGIONID

SETTLEMENTDATE

VERSIONNO

29.115.4 Index Columns

Name

LASTCHANGED

29.115.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |

| | | | |
|--------------------------|--------------|---|--|
| PARTICIPANTID | VARCHAR2(10) | X | Participant to pay recovery |
| CONTRACTID | VARCHAR2(10) | | AS Contract |
| PERIODID | NUMBER(3,0) | X | Trading Interval |
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| ENABLINGPAYMENT | NUMBER(15,5) | | Enabling Payment |
| USAGEPAYMENT | NUMBER(15,5) | | Usage Payment |
| COMPENSATIONPAYMENT | NUMBER(15,5) | | Compensation Payment |
| PARTICIPANTDEMAND | NUMBER(15,5) | | Participant Demand in Region |
| REGIONDEMAND | NUMBER(15,5) | | Total Regional Demand |
| ENABLINGRECOVERY | NUMBER(15,5) | | Enabling Recovery |
| USAGERECOVERY | NUMBER(15,5) | | Usage Recovery |
| COMPENSATIONRECOVERY | NUMBER(15,5) | | Compensation Recovery |
| LASTCHANGED | DATE | | Last date and time record changed |
| ENABLINGRECOVERY_GEN | NUMBER(15,5) | | Enabling Recovery for Generator |
| USAGERECOVERY_GEN | NUMBER(15,5) | | Usage Recovery for Generator |
| COMPENSATIONRECOVERY_GEN | NUMBER(15,5) | | Compensation Recovery for Generator |
| PARTICIPANTDEMAND_GEN | NUMBER(15,5) | | Participant Demand in Region for Generator |
| REGIONDEMAND_GEN | NUMBER(15,5) | | Total Regional Demand for Generator |

29.116 Table: SETRESERVETRADER

29.116.1 SETRESERVETRADER

| | |
|---------|--|
| Name | SETRESERVETRADER |
| Comment | SETRESERVETRADER shows reserve trader details. |

29.116.2 Description

SETRESERVETRADER data is confidential to the relevant participant.

Source

SETRESERVETRADER updates when reserve trading occurs in a billing run, such as during an Administered Price Cap event. SETRESERVETRADER is empty until such an event occurs.

29.116.3 Primary Key Columns

Name
 DUID
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

29.116.4 Index Columns

Name
 LASTCHANGED

29.116.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--------------------|
| SETTLEMENTDATE | DATE | X | Settlement Date |
| VERSIONNO | NUMBER(3,0) | X | Settlement Run No. |
| PERIODID | NUMBER(3,0) | X | Period Identifier |

| | | | |
|-----------------|--------------|---|--|
| CONTRACTID | VARCHAR2(10) | | Reserve Trader Contract Identifier |
| CONTRACTVERSION | NUMBER(3,0) | | Reserve Trader Contract Version |
| PARTICIPANTID | VARCHAR2(10) | | Unique participant identifier |
| REGIONID | VARCHAR2(10) | | Region Identifier |
| DUID | VARCHAR2(10) | X | Dispatchable Unit ID |
| RCF | CHAR(1) | | Reserve Recovery Flag |
| UNITAVAIL | NUMBER(6,2) | | Offered Availability of Unit |
| CPA | NUMBER(12,5) | | Contract Availability Payment |
| CPE | NUMBER(12,5) | | Contract Enabling Payment |
| CPU | NUMBER(12,5) | | Contract Usage Payment |
| CPTOTAL | NUMBER(12,5) | | Total Payment for Contract |
| CAPDIFFERENCE | NUMBER(12,5) | | Spot payment applicable to the capacity above the enabling threshold |
| LASTCHANGED | DATE | | Last date and time record changed |

29.117 Table: SETVICBOUNDARYENERGY

29.117.1 SETVICBOUNDARYENERGY

| | |
|---------|---|
| Name | SETVICBOUNDARYENERGY |
| Comment | SETVICBOUNDARYENERGY is as requested by Participants for the settlement of Victorian Vesting contracts. |

29.117.2 Description

SETVICBOUNDARYENERGY data is confidential to the relevant participants.

Source

SETVICBOUNDARYENERGY is populated by the posting of a billing run.

Volume

Generally there are approximately 550 records inserted per week.

29.117.3 Primary Key Columns

Name
 PARTICIPANTID
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

29.117.4 Index Columns

Name
 LASTCHANGED

29.117.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-----------|-----------|---------------------|
| SETTLEMENTDATE | DATE | X | Settlement and date |

| | | | |
|----------------|--------------|---|---|
| VERSIONNO | NUMBER(3,0) | X | Version number |
| PARTICIPANTID | VARCHAR2(10) | X | Participant Identifier |
| PERIODID | NUMBER(3,0) | X | Period Identifier |
| BOUNDARYENERGY | NUMBER(15,5) | | Interval energy purchases in Victoria when host distributor = Pool (in MWh) |
| LASTCHANGED | DATE | | Last changed |

29.118 Table: SETVICENERGYFIGURES

29.118.1 SETVICENERGYFIGURES

| | |
|---------|---|
| Name | SETVICENERGYFIGURES |
| Comment | SETVICENERGYFIGURES is used in settlement of Victorian Vesting contracts. |

29.118.2 Description

SETVICENERGYFIGURES data is public, so is available to all participants.

Source

SETVICENERGYFIGURES updates daily, with settlements.

29.118.3 Primary Key Columns

Name
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

29.118.4 Index Columns

Name
 LASTCHANGED

29.118.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|------------------------|
| SETTLEMENTDATE | DATE | X | Settlement date |
| VERSIONNO | NUMBER(3,0) | X | Version number |
| PERIODID | NUMBER(3,0) | X | Settlement period |
| TOTALGENOUTPUT | NUMBER(15,5) | | Total generator output |

| | | | |
|-------------|--------------|--|--------------------------|
| TOTALPCSD | NUMBER(15,5) | | Total participant demand |
| LASTCHANGED | DATE | | Last changed |
| TLR | NUMBER(15,6) | | Transmission loss factor |
| MLF | NUMBER(15,6) | | Marginal loss factor |

29.119 Table: SETVICENERGYFLOW

29.119.1 SETVICENERGYFLOW

| | |
|---------|--|
| Name | SETVICENERGYFLOW |
| Comment | SETVICENERGYFLOW is used in settlement of Victorian Vesting contracts. |

29.119.2 Description

SETVICENERGYFLOW data is public, so is available to all participants.

Source

SETVICENERGYFLOW updates daily, with settlements

29.119.3 Primary Key Columns

Name
 PERIODID
 SETTLEMENTDATE
 VERSIONNO

29.119.4 Index Columns

Name
 LASTCHANGED

29.119.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Settlement date |
| VERSIONNO | NUMBER(3,0) | X | Version number |
| PERIODID | NUMBER(3,0) | X | Settlement period |
| NETFLOW | NUMBER(15,5) | | Net metered energy flowing across the V-SN and V-SA interconnectors |

| | | | |
|-------------|------|--|--------------|
| LASTCHANGED | DATE | | Last changed |
|-------------|------|--|--------------|

29.120 Table: STPASA_SYSTEMSOLUTION

29.120.1 STPASA_SYSTEMSOLUTION

| | |
|---------|---|
| Name | STPASA_SYSTEMSOLUTION |
| Comment | STPASA_SYSTEMSOLUTION is obsolete from 2005 End of Year Release. For solution information, see Region solution tables. STPASA_SYSTEMSOLUTION showed the results of the system capacity evaluations for each interval of the study. |

29.120.2 Description

STPASA_SYSTEMSOLUTION is public data.

Source

STPASA_SYSTEMSOLUTION is updated each STPASA run (half-hourly).

Volume

Rows per day: 48

Mb per month: <1

29.120.3 Primary Key Columns

| |
|-------------------|
| Name |
| INTERVAL_DATETIME |

29.120.4 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

29.120.5 Index Columns

| |
|--------------|
| Name |
| RUN_DATETIME |

29.120.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| SYSTEMDEMAND50 | NUMBER(12,2) | | Sum of Demand 50% PoE |
| RESERVEREQ | NUMBER(12,2) | | System total reserve requirement |
| UNCONSTRAINEDCAPACITY | NUMBER(12,2) | | System energy unconstrained capacity MW subject to energy and network constraints |
| CONSTRAINEDCAPACITY | NUMBER(12,2) | | System energy constrained capacity MW subject to energy and network constraints |
| SURPLUSCAPACITY | NUMBER(12,2) | | System capacity surplus MW, +/- values indicate surplus/deficit capacity |
| SURPLUSRESERVE | NUMBER(12,2) | | System reserve surplus MW, +/- values indicate surplus/deficit reserve |
| RESERVECONDITION | NUMBER(1,0) | | The system reserve condition: 0 Adequate, 1 LRC |
| LASTCHANGED | DATE | | Last changed date of this record |

29.121 Table: STPASA_UNITSOLUTION

29.121.1 STPASA_UNITSOLUTION

| | |
|---------|--|
| Name | STPASA_UNITSOLUTION |
| Comment | STPASA_UNITSOLUTION shows the unit results from the capacity evaluations for each period of the study. |

29.121.2 Description

STPASA_UNITSOLUTION was discontinued in the End Year 2005 MMS Release. See Change Notice 512c for further details.

STPASA_UNITSOLUTION is confidential data.

Source

STPASA_UNITSOLUTION is updated each STPASA run (i.e. every 2 hours).

29.121.3 Primary Key Columns

Name
 DUID
 INTERVAL_DATETIME
 RUN_DATETIME
 RUNTYPE

29.121.4 Index Columns

Name
 LASTCHANGED

29.121.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-----------|-----------|--|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |

| | | | |
|-------------------------|--------------|---|---|
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| DUID | VARCHAR2(10) | X | Dispatchable unit Identifier |
| CONNECTIONPOINTID | VARCHAR2(10) | | Connection point identifier |
| EXPECTEDMAXCAPACITY | NUMBER(12,2) | | Max MW capacity that can be obtained in case of capacity scarcity from units subject to network and energy constraints. |
| CAPACITYMARGINALVALUE | NUMBER(12,2) | | Capacity adequacy assessment marginal value, 0 if not binding |
| CAPACITYVIOLATIONDEGREE | NUMBER(12,2) | | Capacity adequacy assessment violation degree for unit capacity; 0 if not violating |
| CAPACITYAVAILABLE | NUMBER(12,2) | | The available MW capacity for the period |
| ENERGYCONSTRAINED | NUMBER(1,0) | | 0 if not energy constrained, 1 if energy constrained for this energy block |
| ENERGYAVAILABLE | NUMBER(10,0) | | The energy limit (MWH) over this energy block for the energy constrained unit |
| LASTCHANGED | DATE | | Last changed date of this record |
| PASAAVAILABILITY | NUMBER(12,0) | | The physical plant capability including any capability that can be made available within 24 hrs |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC and OUTAGE_LRC |

29.122 Table: TRADINGLOAD

29.122.1 TRADINGLOAD

| | |
|---------|---|
| Name | TRADINGLOAD |
| Comment | TRADINGLOAD shows half-hourly average dispatch levels, including fields to handle the Ancillary Services functionality. |

29.122.2 Description

Source

Own (confidential) TRADINGLOAD data updates half hourly, with public availability of all data on next day.

29.122.3 Primary Key Columns

Name
DUID
PERIODID
RUNNO
SETTLEMENTDATE
TRADETYPE

29.122.4 Index Columns

Name
LASTCHANGED

29.122.5 Index Columns

Name
DUID
LASTCHANGED

29.122.6 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | Date that this data applies to |
| RUNNO | NUMBER(3,0) | X | Dispatch run no. |
| DUID | VARCHAR2(10) | X | Dispatchable Unit Identifier |
| TRADETYPE | NUMBER(2,0) | X | Not used |
| PERIODID | NUMBER(3,0) | X | Period Identifier |
| INITIALMW | NUMBER(15,5) | | Average Initial MW at start of each period |
| TOTALCLEARED | NUMBER(15,5) | | Average total MW dispatched over period |
| RAMPDOWNRATE | NUMBER(15,5) | | Average ramp down rate |
| RAMPUPRATE | NUMBER(15,5) | | Average ramp up rate |
| LOWER5MIN | NUMBER(15,5) | | Average 5 min lower dispatch |
| LOWER60SEC | NUMBER(15,5) | | Average 60 sec lower dispatch |
| LOWER6SEC | NUMBER(15,5) | | Average 60 sec lower dispatch |
| RAISE5MIN | NUMBER(15,5) | | Average 5 min raise dispatch |
| RAISE60SEC | NUMBER(15,5) | | Average 60 sec raise dispatch |
| RAISE6SEC | NUMBER(15,5) | | Average 6 sec raise dispatch |
| LASTCHANGED | DATE | | Last date and time record changed |
| LOWERREG | NUMBER(15,5) | | Lower Regulation reserve target |
| RAISEREG | NUMBER(15,5) | | Raise Regulation reserve target |
| AVAILABILITY | NUMBER(15,5) | | Bid energy availability |
| SEMIDISPATCHCAP | NUMBER(3,0) | | Boolean representation flagging if the Target is Capped |

29.123 Table: TRADINGREGIONSUM

29.123.1 TRADINGREGIONSUM

| | |
|---------|---|
| Name | TRADINGREGIONSUM |
| Comment | TRADINGREGIONSUM sets out the half-hourly average regional demand and frequency control services. TRADINGREGIONSUM includes fields for the Raise Regulation and Lower Regulation Ancillary Services plus improvements to demand calculations. |

29.123.2 Description

TRADINGREGIONSUM is public data, and is available to all participants.

Source

TRADINGREGIONSUM is updated every 30 minutes.

29.123.3 Primary Key Columns

Name

PERIODID

REGIONID

RUNNO

SETTLEMENTDATE

29.123.4 Index Columns

Name

LASTCHANGED

29.123.5 Content

| Name | Data Type | Mandatory | Comment |
|----------------|-------------|-----------|--------------------------------|
| SETTLEMENTDATE | DATE | X | Date that this data applies to |
| RUNNO | NUMBER(3,0) | X | Dispatch run no. |

| | | | |
|------------------------|--------------|---|---|
| REGIONID | VARCHAR2(10) | X | Region Identifier |
| PERIODID | NUMBER(3,0) | X | Trading interval identifier within settlement day. |
| TOTALDEMAND | NUMBER(15,5) | | Total demand for region |
| AVAILABLEGENERATION | NUMBER(15,5) | | The available generation in the Region for the interval |
| AVAILABLELOAD | NUMBER(15,5) | | Not used |
| DEMANDFORECAST | NUMBER(15,5) | | Forecast demand for region |
| DISPATCHABLEGENERATION | NUMBER(15,5) | | Averaged generation dispatched in region |
| DISPATCHABLELOAD | NUMBER(15,5) | | Averaged load dispatched in region |
| NETINTERCHANGE | NUMBER(15,5) | | Average energy transferred over interconnector |
| EXCESSGENERATION | NUMBER(15,5) | | Average excess generation in region |
| LOWER5MINDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min MW dispatch |
| LOWER5MINIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min MW imported |
| LOWER5MINLOCALDISPATCH | NUMBER(15,5) | | Lower 5 min local dispatch |
| LOWER5MINLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 5 min |
| LOWER5MINLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min local requirement |
| LOWER5MINPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 5 min |
| LOWER5MINREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 5 min total requirement |
| LOWER5MINSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 5 min |
| LOWER60SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec MW dispatch |
| LOWER60SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec MW imported |
| LOWER60SECLOCALDISPATC | NUMBER(15,5) | | Lower 60 sec local dispatch |

| | | | |
|-----------------------------|--------------|--|---|
| H | | | |
| LOWER60SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 60 sec |
| LOWER60SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec local requirement |
| LOWER60SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 60 sec |
| LOWER60SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 60 sec total requirement |
| LOWER60SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 60 sec |
| LOWER6SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec MW dispatch |
| LOWER6SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec MW imported |
| LOWER6SECLOCALDISPATCH H | NUMBER(15,5) | | Lower 6 sec local dispatch |
| LOWER6SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of lower 6 sec |
| LOWER6SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec local requirement |
| LOWER6SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of lower 6 sec |
| LOWER6SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower 6 sec total requirement |
| LOWER6SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of lower 6 sec |
| RAISE5MINDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min MW dispatch |
| RAISE5MINIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min MW imported |
| RAISE5MINLOCALDISPATCH | NUMBER(15,5) | | Raise 5 min local dispatch |
| RAISE5MINLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of raise 5 min |
| RAISE5MINLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min local requirement |

| | | | |
|-------------------------|--------------|--|---|
| RAISE5MINPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 5 min |
| RAISE5MINREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 5 min total requirement |
| RAISE5MINSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 5 min |
| RAISE60SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec MW dispatch |
| RAISE60SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec MW imported |
| RAISE60SECLOCALDISPATCH | NUMBER(15,5) | | Raise 60 sec local dispatch |
| RAISE60SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of raise 60 sec |
| RAISE60SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec local requirement |
| RAISE60SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 60 sec |
| RAISE60SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 60 sec total requirement |
| RAISE60SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 60 sec |
| RAISE6SECDISPATCH | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec MW dispatch |
| RAISE6SECIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec MW imported |
| RAISE6SECLOCALDISPATCH | NUMBER(15,5) | | Raise 6 sec local dispatch |
| RAISE6SECLOCALPRICE | NUMBER(15,5) | | Not used since Dec 2003. Local price of raise 6 sec |
| RAISE6SECLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec local requirement |
| RAISE6SECPRICE | NUMBER(15,5) | | Not used since Dec 2003. Regional price of raise 6 sec |
| RAISE6SECREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise 6 sec total requirement |

| | | | |
|--------------------------|--------------|--|---|
| RAISE6SECSUPPLYPRICE | NUMBER(15,5) | | Not used since Dec 2003. Supply price of raise 6 sec |
| LASTCHANGED | DATE | | Last date and time record changed |
| INITIALSUPPLY | NUMBER(15,5) | | Sum of initial generation and import for region |
| CLEAREDSUPPLY | NUMBER(15,5) | | Sum of cleared generation and import for region |
| LOWERREGIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation MW imported |
| LOWERREGLOCALDISPATCH | NUMBER(15,5) | | Lower Regulation local dispatch |
| LOWERREGLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation local requirement |
| LOWERREGREQ | NUMBER(15,5) | | Not used since Dec 2003. Lower Regulation total requirement |
| RAISEREGIMPORT | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation MW imported |
| RAISEREGLOCALDISPATCH | NUMBER(15,5) | | Raise Regulation local dispatch |
| RAISEREGLOCALREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation local requirement |
| RAISEREGREQ | NUMBER(15,5) | | Not used since Dec 2003. Raise Regulation total requirement |
| RAISE5MINLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 5 min local requirement |
| RAISEREGLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise Reg local requirement |
| RAISE60SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 60 sec local requirement |
| RAISE6SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 6 sec local requirement |
| LOWER5MINLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 5 min local requirement |
| LOWERREGLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower Reg local requirement |
| LOWER60SECLOCALVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 60 sec local requirement |

| | | | |
|-----------------------------|--------------|--|--|
| LOWER6SECLocalVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 6 sec local requirement |
| RAISE5MINVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 5 min requirement |
| RAISEREGVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise Reg requirement |
| RAISE60SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 60 seconds requirement |
| RAISE6SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Raise 6 seconds requirement |
| LOWER5MINVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 5 min requirement |
| LOWERREGVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower Reg requirement |
| LOWER60SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 60 seconds requirement |
| LOWER6SECVIOLATION | NUMBER(15,5) | | Not used since Dec 2003. Violation (MW) of Lower 6 seconds requirement |
| TOTALINTERMITTENTGENERATION | NUMBER(15,5) | | Allowance made for non-scheduled generation in the demand forecast (MW). |
| DEMAND_AND_NONSCHEDGEN | NUMBER(15,5) | | Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW). |
| UIGF | NUMBER(15,5) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW). |

30 Package: PDPASA

Name PDPASA

Comment The PDPASA package provides a 30-minute solving process to the Market systems

The current methodology for calculating reserves in the PreDispatch timeframe is determined in a post processing step using a heuristic calculation based the results and Interconnector limits from the PreDispatch run.

The calculation is a reserve assessment based on the PASA solver similar to existing ST and MT PASA business processes

The process reflects all intra-regional and inter-regional network constraints as an input to the process

30.1 List of tables

| Name | Comment |
|---------------------------|---|
| PDPASA_CASESOLUTION | The top-level table identifying a PDPASA case, reporting options applied in the case and summary results |
| PDPASA_CONSTRAINTSOLUTION | PDPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value. |
| PDPASA_INTERCONNECTORSOLN | PDPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval. |
| PDPASA_REGIONSOLUTION | The PDPASA region solution data |

30.2 Diagram: Entities: PD PASA

PDPASA_CASESOLUTION
RUN_DATETIME

PDPASA_REGIONSOLUTION
RUN_DATETIME
INTERVAL_DATETIME
REGIONID
RUNTYPE

PDPASA_INTERCONNECTORSOLN
RUN_DATETIME
INTERVAL_DATETIME
INTERCONNECTORID
RUNTYPE
STUDYREGIONID

PDPASA_CONSTRAINTSOLUTION
RUN_DATETIME
INTERVAL_DATETIME
CONSTRAINTID
RUNTYPE
STUDYREGIONID

30.3 Table: PDPASA_CASESOLUTION

30.3.1 PDPASA_CASESOLUTION

| | |
|---------|--|
| Name | PDPASA_CASESOLUTION |
| Comment | The top-level table identifying a PDPASA case, reporting options applied in the case and summary results |

30.3.2 Description

PDPASA_CASESOLUTION is public data.

Source

PDPASA_CASESOLUTION is updated each PDPASA run (i.e. half-hourly).

Volume

Rows per day: 48

Mb per month: <1

30.3.3 Primary Key Columns

| | |
|------|--------------|
| Name | RUN_DATETIME |
|------|--------------|

30.3.4 Index Columns

| | |
|------|-------------|
| Name | LASTCHANGED |
|------|-------------|

30.3.5 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Case identifier by the time the case was run |
| PASAVERSION | VARCHAR2(10) | | Version of the PASA solver used to solve this case |

| | | | |
|----------------------------|--------------|--|---|
| RESERVECONDITION | NUMBER(1,0) | | Low Reserve Condition (LRC) flag for the case (1 - LRC in the case, 0 - No LRCs in the case) for capacity run |
| LORCONDITION | NUMBER(1,0) | | Lack of Reserve Condition (LOR) flag for the case indicates the most severe condition in the case (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR) |
| CAPACITYOBJFUNCTION | NUMBER(12,3) | | Objective Function from the Capacity Adequacy run |
| CAPACITYOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the Probability of Exceedance (POE) demand forecast used for capacity adequacy (LRC) assessment. 0 if no assessment, 1 for 10% POE, 2 for 50% POE, 3 for 90% POE. |
| MAXSURPLUSRESERVEOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the Probability of Exceedance (POE) demand forecast used for assessment of Maximum surplus Reserve. 0 if no assessment, 1 for 10% POE, 2 for 50% POE, 3 for 90% POE |
| MAXSPARECAPACITYOPTION | NUMBER(12,3) | | Not populated as of 2005 End of Year Release; was the Probability of Exceedance (POE) demand forecast used for assessment of Maximum Spare Capacity. 0 if no assessment, 1 for 10% POE, 2 for 50% POE, 3 for 90% POE |
| INTERCONNECTORFLOWPENALTY | NUMBER(12,3) | | The penalty for non-zero interconnector flow |
| LASTCHANGED | DATE | | Date and time the record was created or modified |
| RELIABILITYLRCDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedance (POE) demand forecast for Reliability LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |
| OUTAGELRCDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedance (POE) demand forecast for outage LRC assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |
| LORDEMANDOPTION | NUMBER(12,3) | | Specifies the Probability of Exceedance (POE) demand forecast for LOR assessment (0 if no assessment, 10 for 10%, 50 for 50%, 90 for 90%) |

| | | | |
|------------------------------|--------------|--|---|
| RELIABILITYLRCCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in Reliability LRC run (either PASA or MARKET) |
| OUTAGELRCCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in Outage LRC run (either PASA or MARKET) |
| LORCAPACITYOPTION | VARCHAR2(10) | | Generation Availability to be used in LOR run (either PASA or MARKET) |
| LORUIGFOption | NUMBER(3,0) | | UIGF POE forecast availability used for this option |
| ReliabilityLRCUIGFOption | NUMBER(3,0) | | UIGF POE forecast availability used for this option |
| OutageLRCUIGFOption | NUMBER(3,0) | | UIGF POE forecast availability used for this option |

30.4 Table: PDPASA_CONSTRAINTSOLUTION

30.4.1 PDPASA_CONSTRAINTSOLUTION

| | |
|---------|--|
| Name | PDPASA_CONSTRAINTSOLUTION |
| Comment | PDPASA_CONSTRAINTSOLUTION shows binding and violated constraint results from the capacity evaluation, including the RHS value. |

30.4.2 Primary Key Columns

| |
|-------------------|
| Name |
| CONSTRAINTID |
| INTERVAL_DATETIME |
| RUN_DATETIME |
| RUNTYPE |
| STUDYREGIONID |

30.4.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| CONSTRAINTID | VARCHAR2(20) | X | Constraint identifier (synonymous with GenConID) |
| CAPACITYRHS | NUMBER(12,2) | | The RHS value in the capacity evaluation. |
| CAPACITYMARGINALVALUE | NUMBER(12,2) | | Capacity adequacy assessment marginal value, 0 if not binding |
| CAPACITYVIOLATIONDEGREE | NUMBER(12,2) | | Capacity adequacy assessment violation degree for generic constraint; 0 if not violating |
| LASTCHANGED | DATE | | Last changed date of this record |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and |

| | | | |
|---------------|--------------|---|--|
| | | | LOR. |
| STUDYREGIONID | VARCHAR2(20) | X | Primary Region for LP Solve (or MARKET if none). |

30.5 Table: PDPASA_INTERCONNECTORSOLN

30.5.1 PDPASA_INTERCONNECTORSOLN

| | |
|---------|---|
| Name | PDPASA_INTERCONNECTORSOLN |
| Comment | PDPASA_INTERCONNECTORSOLN shows the results of the capacity evaluation for Interconnectors, including the calculated limits for the interval. |

30.5.2 Primary Key Columns

| |
|-------------------|
| Name |
| INTERCONNECTORID |
| INTERVAL_DATETIME |
| RUN_DATETIME |
| RUNTYPE |
| STUDYREGIONID |

30.5.3 Content

| Name | Data Type | Mandatory | Comment |
|-------------------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | Unique Timestamp Identifier for this study |
| INTERVAL_DATETIME | DATE | X | The unique identifier for the interval within this study |
| INTERCONNECTORID | VARCHAR2(10) | X | Interconnector Identifier |
| CAPACITYMWFLOW | NUMBER(12,2) | | Interconnector loading level (MW) that can be reached in case of capacity scarcity in neighbouring regions subject to network and energy constraints |
| CAPACITYMARGINALVALUE | NUMBER(12,2) | | Capacity adequacy assessment marginal value, 0 if not binding |
| CAPACITYVIOLATIONDEGREE | NUMBER(12,2) | | Capacity adequacy assessment violation degree for interconnector capacity; 0 if not violating |
| CALCULATEDEXPORTLIMIT | NUMBER(12,2) | | Calculated Interconnector limit of exporting energy on the basis of invoked |

| | | | |
|-------------------------|--------------|---|---|
| | | | constraints and static interconnector export limit |
| CALCULATEDIMPORTLIMIT | NUMBER(12,2) | | Calculated Interconnector limit of importing energy on the basis of invoked constraints and static interconnector import limit. Note unlike the input interconnector import limit this is a directional quantity and should be defined with respect to the interconnector flow. |
| LASTCHANGED | DATE | | Last changed date of this record |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. |
| EXPORTLIMITCONSTRAINTID | VARCHAR2(20) | | ID of the constraint that sets the Interconnector Export Limit |
| IMPORTLIMITCONSTRAINTID | VARCHAR2(20) | | ID of the constraint that sets the Interconnector Import Limit |
| STUDYREGIONID | VARCHAR2(20) | X | Primary Region for LP Solve (or MARKET if none). |

30.6 Table: PDPASA_REGIONSOLUTION

30.6.1 PDPASA_REGIONSOLUTION

| | |
|---------|---------------------------------|
| Name | PDPASA_REGIONSOLUTION |
| Comment | The PDPASA region solution data |

30.6.2 Description

PDPASA_REGIONSOLUTION is public so is available to all participants.

Source

PDPASA_REGIONSOLUTION is updated each PDPASA run (i.e. half-hourly).

Volume

Rows per day: 32000

Notes

LRC Determination

SURPLUSRESERVE is the surplus reserve in a region based on meeting the demand plus the reserve requirement in all regions simultaneously. Note that any surplus above the network restrictions and system reserve requirements is reported in the region it is generated, thus a surplus of zero can mean that a region is importing to meet a requirement or that it has exported all surplus to meet an adjacent region's requirement.

The PASA processes also calculate a regionally optimised surplus called the Maximum LRC Surplus (MAXSURPLUSRESERVE) being a figure on how much generation could be brought to this region subject to meeting requirements in other regions.

LOR Determination

MAXSPARECAPACITY is a regionally optimised figure representing the surplus generation able to be brought to a region subject to meeting the demand in all other regions.

Participants are directed to the first half hour of the Predispatch PASA (PDPASA) reports as NEMMCO's latest reserve determination for a given half hour.

30.6.3 Primary Key Columns

- Name
- INTERVAL_DATETIME
- REGIONID
- RUN_DATETIME

RUNTYPE

30.6.4 Index Columns

Name

LASTCHANGED

30.6.5 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| RUN_DATETIME | DATE | X | Case identifier by the time the case was run |
| INTERVAL_DATETIME | DATE | X | End date time of the interval |
| REGIONID | VARCHAR2(10) | X | Region identifier |
| DEMAND10 | NUMBER(12,2) | | 10% Probability of Exceedance demand forecast |
| DEMAND50 | NUMBER(12,2) | | 50% Probability of Exceedance demand forecast |
| DEMAND90 | NUMBER(12,2) | | 90% Probability of Exceedance demand forecast |
| RESERVEREQ | NUMBER(12,2) | | Region reserve requirement (MW) |
| CAPACITYREQ | NUMBER(12,2) | | Capacity required to meet the demand and reserve levels in the capacity adequacy assessment. |
| ENERGYREQDEMAND50 | NUMBER(12,2) | | Energy (GWh) required for this energy block based on the 50% probability of exceedance demand. Listed in the first interval of the energy block. |
| UNCONSTRAINEDCAPACITY | NUMBER(12,0) | | Aggregate generator capability from Non Energy Constrained plant including restrictions due to network constraints from the capacity adequacy (LRC) assessment. |
| CONSTRAINEDCAPACITY | NUMBER(12,0) | | Aggregate generator capability from Energy Constrained plant including restrictions due to network constraints |

| | | | |
|-----------------------------|--------------|---|---|
| NETINTERCHANGEUNDERSCARCITY | NUMBER(12,2) | | Net interconnector flow from the region for this interval from the capacity adequacy (LRC) assessment. |
| SURPLUSCAPACITY | NUMBER(12,2) | | Surplus capacity (MW) above the demand, scheduled load and net interchange in this region from the capacity adequacy (LRC) assessment. |
| SURPLUSRESERVE | NUMBER(12,2) | | Surplus reserve (MW) above the demand, scheduled load, net interchange and reserve requirement in this region from the capacity adequacy (LRC) assessment. |
| RESERVECONDITION | NUMBER(1,0) | | Low Reserve Condition (LRC) flag for this region in this interval (1 - LRC, 0 - No LRC) |
| MAXSURPLUSRESERVE | NUMBER(12,2) | | Maximum surplus reserve (MW) above the demand + reserve requirement able to be sourced to this region while meeting demand + reserve requirements in other regions. |
| MAXSPARECAPACITY | NUMBER(12,2) | | Maximum spare capacity (MW) above the demand able to be sourced to this region while meeting demands in other regions. |
| LORCONDITION | NUMBER(1,0) | | Lack of Reserve Condition (LOR) flag for this region and interval (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR) |
| AGGREGATECAPACITYAVAILABLE | NUMBER(12,2) | | Sum of MAXAVAIL quantities offered by all Scheduled units and Availability of all semi-scheduled units limited by MAXAVAIL in a given Region for a given PERIODID |
| AGGREGATESCHEDULEDLOAD | NUMBER(12,2) | | Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID. |
| LASTCHANGED | DATE | | Date time the record was created or modified changed |
| AGGREGATEPASAAVAILABILITY | NUMBER(12,0) | | Sum of PASAAVAILABILITY quantities offered by all Scheduled Generators in a given Region for a given PERIODID. |
| RUNTYPE | VARCHAR2(20) | X | Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. |

| | | | |
|------------------------------------|--------------|--|--|
| ENERGYREQDEMAND10 | NUMBER(12,2) | | Energy (GWh) required for this energy block based on the 10% probability of exceedance demand. Listed in the first interval of the energy block |
| CALCULATEDLOR1LEVEL | NUMBER(16,6) | | Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency |
| CALCULATEDLOR2LEVEL | NUMBER(16,6) | | Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency |
| MSRNETINTERCHANGEUNDE RSCARCITY | NUMBER(12,2) | | Net interconnector flow from the region for this interval from the MSR assessment |
| LORNETINTERCHANGEUNDE RSCARCITY | NUMBER(12,2) | | Net interconnector flow from the region for this interval from the LOR assessment |
| TOTALINTERMITTENTGENER ATION | NUMBER(15,5) | | Allowance made for non-scheduled generation in the demand forecast (MW). |
| DEMAND_AND_NONSCHEDG EN | NUMBER(15,5) | | Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW). |
| UIGF | NUMBER(12,2) | | Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW). |
| SemiScheduledCapacity | NUMBER(12,2) | | Constrained generation forecast for semi-scheduled units for the region. For RELIABILITY_LRC run semi-scheduled generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run semi-scheduled generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| LOR_SemiScheduledCapacity | NUMBER(12,2) | | Constrained generation forecast for semi-scheduled units for the region for the LOR run type. Semi-scheduled generation is constrained by both System Normal and Outage constraints, and incorporate MAXAVAIL limits. |
| LCR | NUMBER(16,6) | | Largest Credible Risk. MW value for highest credible contingency |

| | | | |
|-------------------|---------------|--|---|
| LCR2 | NUMBER(16,6) | | Two Largest Creditable Risks. MW value for highest two credible contingencies. |
| FUM | NUMBER(16,6) | | Forecasting Uncertainty Measure. MW value of reserve calculated as defined in the Reserve Level Declaration Guidelines |
| SS_SOLAR_UIGF | Number(12,2) | | Unconstrained Intermittent Generation Forecast for solar for the region. For RELIABILITY_LRC and OUTAGE_LRC run this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run this is the POE50 forecast |
| SS_WIND_UIGF | Number (12,2) | | Unconstrained Intermittent Generation Forecast for wind for the region. For RELIABILITY_LRC and OUTAGE_LRC run this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run this is the POE50 forecast |
| SS_SOLAR_CAPACITY | Number (12,2) | | Constrained generation forecast for solar for the region. For RELIABILITY_LRC run solar generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run solar generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| SS_WIND_CAPACITY | Number (12,2) | | Constrained generation forecast for wind for the region. For RELIABILITY_LRC run wind generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run wind generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| SS_SOLAR_CLEARED | Number (12,2) | | Constrained generation forecast for solar for the region. For RELIABILITY_LRC run solar generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run solar generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate |

| | | | |
|-------------------|---------------|--|--|
| | | | MAXAVAIL limits. |
| SS_WIND_CLEARED | Number (12,2) | | Constrained generation forecast for wind for the region. For RELIABILITY_LRC run wind generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run wind generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. |
| WDR_AVAILABLE | NUMBER(12,2) | | Regional aggregated Wholesale Demand Response (WDR) availability in MW. |
| WDR_PASAAVAILABLE | NUMBER(12,2) | | Regional aggregated Wholesale Demand Response (WDR) PASA availability in MW. |
| WDR_CAPACITY | NUMBER(12,2) | | Regional aggregated Wholesale Demand Response (WDR) capacity in MW. |

31 Package: PRUDENTIALS

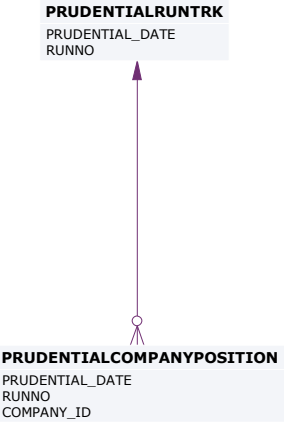
Name PRUDENTIALS

Comment Prudential Management

31.1 List of tables

| Name | Comment |
|---------------------------|---|
| PRUDENTIALCOMPANYPOSITION | The prudential position of each company as at the datetime of a specific prudential run |
| PRUDENTIALRUNTRK | Records the prudential run accepted by Settlements staff for each prudential date |

31.2 Diagram: Entities:Prudentials



31.3 Table: PRUDENTIALCOMPANYPOSITION

31.3.1 PRUDENTIALCOMPANYPOSITION

| | |
|---------|---|
| Name | PRUDENTIALCOMPANYPOSITION |
| Comment | The prudential position of each company as at the datetime of a specific prudential run |

31.3.2 Primary Key Columns

| |
|-----------------|
| Name |
| COMPANY_ID |
| PRUDENTIAL_DATE |
| RUNNO |

31.3.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

31.3.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------------|--------------|-----------|---|
| PRUDENTIAL_DATE | DATE | X | The prudential date |
| RUNNO | NUMBER(3) | X | The run number for the prudential date |
| COMPANY_ID | VARCHAR(20) | X | The company identifier |
| MCL | NUMBER(16,6) | | The Maximum Credit Limit of the company at the time of the prudential run |
| CREDIT_SUPPORT | NUMBER(16,6) | | The Credit Support of the company at the time of the prudential run |
| TRADING_LIMIT | NUMBER(16,6) | | The Trading Limit of the company at the time of the prudential run |
| CURRENT_AMOUNT_BALANC | NUMBER(16,6) | | The balance of the company for all unpaid |

| | | | |
|----------------------------|--------------|--|---|
| E | | | billing weeks at the time of the prudential run |
| SECURITY_DEPOSIT_PROVISION | NUMBER(16,6) | | The sum of all active security deposit provision amounts at the time of the prudential run |
| SECURITY_DEPOSIT_OFFSET | NUMBER(16,6) | | The sum of all active security deposit application amounts at the time of the prudential run |
| SECURITY_DEPOSIT_BALANCE | NUMBER(16,6) | | The balance of all active security deposits at the time of the prudential run |
| EXPOST_REALLOC_BALANCE | NUMBER(16,6) | | The balance of all ex-post reallocations for the company that were calculated outside of billing runs at the time of the prudential run |
| DEFAULT_BALANCE | NUMBER(16,6) | | The balance of all defaults for the company at the time of the prudential run |
| OUTSTANDINGS | NUMBER(16,6) | | The total outstandings for the company at the time of the prudential run |
| TRADING_MARGIN | NUMBER(16,6) | | The trading margin for the company at the time of the prudential run |
| TYPICAL_ACCRUAL | NUMBER(16,6) | | The typical accrual for the company at the time of the prudential run |
| PRUDENTIAL_MARGIN | NUMBER(16,6) | | The prudential margin is the current value determined by AEMO for the registered participant. It represents the buffer below the value of credit support which is used to set the trading limit |
| EARLY_PAYMENT_AMOUNT | NUMBER(18,8) | | The early payment amount deducted from Outstandings in the prudential run |
| PERCENTAGE_OUTSTANDINGS | NUMBER(18,8) | | The percentage of outstandings calculated against the trading margin and prudential margin |
| LASTCHANGED | DATE | | The datetime that the record was last changed |

31.4 Table: PRUDENTIALRUNTRK

31.4.1 PRUDENTIALRUNTRK

Name PRUDENTIALRUNTRK

Comment Records the prudential run accepted by Settlements staff for each prudential date

31.4.2 Primary Key Columns

Name

PRUDENTIAL_DATE

RUNNO

31.4.3 Index Columns

Name

LASTCHANGED

31.4.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------------|-------------|-----------|---|
| PRUDENTIAL_DATE | DATE | X | The prudential date |
| RUNNO | NUMBER(3) | X | The run number for the prudential date |
| AUTHORISED_BY | VARCHAR(15) | | The user that authorised the prudential run |
| AUTHORISED_DATE | DATE | | The datetime that the prudential run was authorised |
| LASTCHANGED | DATE | | The datetime that the record was last changed |

32 Package: MCC_DISPATCH

Name MCC_DISPATCH

Comment Results from the Marginal Constraint Cost (MCC) re-run of the dispatch process. The MCC forms part of the part of the AER"s "Electricity transmission network service providers Service target performance incentive Scheme"

32.1 List of tables

| Name | Comment |
|------------------------|---|
| MCC_CASESOLUTION | Top level table for each MCC dispatch rerun process. Note there will be one record for each dispatch interval |
| MCC_CONSTRAINTSOLUTION | Constraint solution data from the MCC dispatch rerun process. Note only constraints with a non-zero marginal value are published. |

32.2 Diagram: Entities: MCC_Dispatch

MCC_CASESOLUTION
RUN_DATETIME

MCC_CONSTRAINTSOLUTION
RUN_DATETIME
CONSTRAINTID

32.3 Table: MCC_CASESOLUTION

32.3.1 MCC_CASESOLUTION

Name MCC_CASESOLUTION

Comment Top level table for each MCC dispatch rerun process. Note there will be one record for each dispatch interval

32.3.2 Primary Key Columns

Name

RUN_DATETIME

32.3.3 Content

| Name | Data Type | Mandatory | Comment |
|--------------|-----------|-----------|----------------------------------|
| RUN_DATETIME | DATE | X | 5-minute Dispatch Run identifier |

32.4 Table: MCC_CONSTRAINTSOLUTION

32.4.1 MCC_CONSTRAINTSOLUTION

| | |
|---------|---|
| Name | MCC_CONSTRAINTSOLUTION |
| Comment | Constraint solution data from the MCC dispatch rerun process. Note only constraints with a non-zero marginal value are published. |

32.4.2 Primary Key Columns

| |
|--------------|
| Name |
| CONSTRAINTID |
| RUN_DATETIME |

32.4.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| RUN_DATETIME | DATE | X | 5-minute Dispatch Run identifier |
| CONSTRAINTID | VARCHAR2(20) | X | Generic Constraint identifier (synonymous with GenConID) |
| RHS | NUMBER(15,5) | | Generic Constraint RHS Value for this MCC run |
| MARGINALVALUE | NUMBER(15,5) | | Generic Constraint Marginal Value for this MCC run |

33 Package: NETWORK

| | |
|----------------|---|
| <i>Name</i> | NETWORK |
| <i>Comment</i> | Configuration data for the physical network |

33.1 List of tables

| Name | Comment |
|------------------------------|--|
| NETWORK_EQUIPMENTDETAIL | <p>NETWORK_EQUIPMENTDETAIL Provides details on equipment that may have outages or ratings. A single piece of equipment may have multiple records if its details change.</p> <p>A line will typically have at least two valid records at a time, once for each end of the line.</p> |
| NETWORK_OUTAGECONSTRAINT SET | <p>NETWORK_OUTAGECONSTRAINTSET lists the Constraint Set or Sets that are expected to be invoked for the outage once it is confirmed to proceed.</p> |
| NETWORK_OUTAGEDetail | <p>Lists asset owners planned outages for transmission equipment. This also includes details for transmission equipment that will not have an outage, but associated secondary equipment has an outage and a related constraint set may be invoked. This scenario is indicated by the ISSECONDARY field in the table</p> |
| NETWORK_OUTAGESTATUSCODE | <p>NETWORK_OUTAGESTATUSCODE describes the different outage status codes</p> |
| NETWORK_RATING | <p>NETWORK_RATING defines a list of the equipment ratings that may be used as inputs to market constraints.</p> <p>If the rating is flagged as dynamic then in real-time the rating will be dynamically determined and the static value will be used as a fallback value should the dynamic value fail.</p> <p>Note:</p> <p>In some rare cases equipment has ratings provided from more than one TNSP. This is identified by a different SPD Id. The value used in the NEM is normally the more restrictive of the two values.</p> |
| NETWORK_REALTIMERATING | <p>The NETWORK_REALTIMERATING table shows the equipment rating values in MVA used as inputs to constraints in the dispatch solution. This includes values for both static and dynamic ratings. The NETWORK_RATING table can be used to determine the physical equipment the rating is for based on the SPD_ID value.</p> |

| | |
|--------------------------|---|
| NETWORK_STATICRATING | <p>NETWORK_STATICRATING lists the static rating values that will apply for a Rating Application ID.</p> <p>This data does not provide information for when the rating actually applies in the NEM. This is dependent on the Rating Application definition.</p> <p>For information on the Rating Applications please refer to the information published on the AEMO website under the topic "Transmission Equipment Ratings". The Rating Applications are referred to as Alternate Value Application Ratings.</p> <p>Ratings that normally use dynamic values will also have static rating values defined. These are used as a fallback if the dynamic rating fails.</p> |
| NETWORK_SUBSTATIONDETAIL | NETWORK_SUBSTATIONDETAIL sets out the attributes of substations across time |

33.2 Diagram: Entities: NETWORK

NETWORK_SUBSTATIONDETAIL

SUBSTATIONID
VALIDFROM

NETWORK_EQUIPMENTDETAIL

SUBSTATIONID
EQUIPMENTTYPE
EQUIPMENTID
VALIDFROM
ELEMENTID

NETWORK_OUTAGEDDETAIL

OUTAGEID
SUBSTATIONID
EQUIPMENTTYPE
EQUIPMENTID
STARTTIME
ELEMENTID

NETWORK_OUTAGESTATUSCODE

OUTAGESTATUSCODE

NETWORK_OUTAGECONSTRAINTSET

OUTAGEID
GENCONSETID

NETWORK_RATING

SPD_ID
VALIDFROM

NETWORK_STATICRATING

SUBSTATIONID
EQUIPMENTTYPE
EQUIPMENTID
RATINGLEVEL
APPLICATIONID
VALIDFROM

NETWORK_REALTIMERATING

SETTLEMENTDATE
SPD_ID

33.3 Table: NETWORK_EQUIPMENTDETAIL

33.3.1 NETWORK_EQUIPMENTDETAIL

Name NETWORK_EQUIPMENTDETAIL

Comment NETWORK_EQUIPMENTDETAIL Provides details on equipment that may have outages or ratings. A single piece of equipment may have multiple records if its details change.

A line will typically have at least two valid records at a time, once for each end of the line.

33.3.2 Primary Key Columns

Name

ELEMENTID

EQUIPMENTID

EQUIPMENTTYPE

SUBSTATIONID

VALIDFROM

33.3.3 Index Columns

Name

LASTCHANGED

33.3.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------|-------------|-----------|--|
| SUBSTATIONID | VARCHAR(30) | X | ID uniquely identifying the substation this equipment is located at |
| EQUIPMENTTYPE | VARCHAR(10) | X | The type of equipment. Valid values are: LINE = Line TRANS = Transformer |

| | | | |
|-------------|--------------|---|--|
| | | | CB = Circuit breaker ISOL = Isolator CAP = Capacitor REAC = Reactor UNIT = Unit |
| EQUIPMENTID | VARCHAR(30) | X | A unique identifier for this type of equipment at this substation |
| VALIDFROM | TIMESTAMP(3) | X | The date that this record is applies from (inclusive) |
| VALIDTO | TIMESTAMP(3) | | The date that this record applies until (exclusive) |
| VOLTAGE | VARCHAR(20) | | The voltage in KV for this equipment. Transformers may have multiple voltages defined. E.g. 132_110_33 |
| DESCRIPTION | VARCHAR(100) | | A short description for this equipment. |
| LASTCHANGED | TIMESTAMP(3) | | The time that this record was last changed. |
| ELEMENTID | NUMBER(15,0) | X | Equipment element id |

33.4 Table: NETWORK_OUTAGECONSTRAINTSET

33.4.1 NETWORK_OUTAGECONSTRAINTSET

| | |
|---------|--|
| Name | NETWORK_OUTAGECONSTRAINTSET |
| Comment | NETWORK_OUTAGECONSTRAINTSET lists the Constraint Set or Sets that are expected to be invoked for the outage once it is confirmed to proceed. |

33.4.2 Primary Key Columns

| |
|-------------|
| Name |
| GENCONSETID |
| OUTAGEID |

33.4.3 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| OUTAGEID | NUMBER(15,0) | X | ID uniquely identifying the outage |
| GENCONSETID | VARCHAR(50) | X | ID for the constraint set |
| STARTINTERVAL | DATE | | The dispatch interval that this constraint applies from |
| ENDINTERVAL | DATE | | The dispatch interval that this constraint applies until. |

33.5 Table: NETWORK_OUTAGEDDETAIL

33.5.1 NETWORK_OUTAGEDDETAIL

| | |
|---------|---|
| Name | NETWORK_OUTAGEDDETAIL |
| Comment | Lists asset owners planned outages for transmission equipment. This also includes details for transmission equipment that will not have an outage, but associated secondary equipment has an outage and a related constraint set may be invoked. This scenario is indicated by the ISSECONDARY field in the table |

33.5.2 Primary Key Columns

| |
|---------------|
| Name |
| ELEMENTID |
| EQUIPMENTID |
| EQUIPMENTTYPE |
| OUTAGEID |
| STARTTIME |
| SUBSTATIONID |

33.5.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

33.5.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|---|
| OUTAGEID | NUMBER(15,0) | X | ID uniquely identifying the outage |
| SUBSTATIONID | VARCHAR(30) | X | The substation this equipment is located at |
| EQUIPMENTTYPE | VARCHAR(10) | X | The type of equipment. Valid values are: LINE = Line |

| | | | |
|------------------|---------------|---|---|
| | | | <p>TRANS = Transformer</p> <p>CB = Circuit breaker</p> <p>ISOL = Isolator</p> <p>CAP = Capacitor</p> <p>REAC = Reactor</p> <p>UNIT = Unit</p> |
| EQUIPMENTID | VARCHAR(30) | X | A unique identifier for this equipment at this substation, and based on its type |
| STARTTIME | DATE | X | The planned starting date and time of the outage |
| ENDTIME | DATE | | The planned ending date and time of the outage |
| SUBMITTEDDATE | DATE | | The date and time this outage was first submitted |
| OUTAGESTATUSCODE | VARCHAR(10) | | <p>A code representing the status of the outage.</p> <p>The OUTAGESTATUSCODE table will store a detailed description of each code.</p> |
| RESUBMITREASON | VARCHAR(50) | | <p>Changes to an outage key details may require the outage to be resubmitted.</p> <p>A new outage id will then be allocated and the outage will be reassessed.</p> <p>This field will detail the reason for the change.</p> |
| RESUBMITOUTAGEID | NUMBER(15,0) | | The new outage id created from a resubmit. |
| RECALLTIMEDAY | NUMBER(10,0) | | The recall time in minutes during the day |
| RECALLTIMENIGHT | NUMBER(10,0) | | The recall time in minutes during the night |
| LASTCHANGED | TIMESTAMP(3) | | The time that this record was last changed |
| REASON | VARCHAR2(100) | | The reason provided by the asset owner for this outage |
| ISSECONDARY | NUMBER(1,0) | | 1 = The outage is for a secondary piece of equipment that has an associated |

| | | | |
|------------------|--------------|---|--|
| | | | constraint set. The transmission equipment is still in service. 0 = The outage is for the transmission equipment |
| ACTUAL_STARTTIME | DATE | | The actual starting date/time of the outage |
| ACTUAL_ENDTIME | DATE | | The actual ending date/time of the outage |
| COMPANYREFCODE | VARCHAR2(20) | | The asset owners reference code for this outage |
| ELEMENTID | NUMBER(15,0) | X | Equipment element id |

33.6 Table: NETWORK_OUTAGESTATUSCODE

33.6.1 NETWORK_OUTAGESTATUSCODE

Name NETWORK_OUTAGESTATUSCODE

Comment NETWORK_OUTAGESTATUSCODE describes the different outage status codes

33.6.2 Primary Key Columns

Name

OUTAGESTATUSCODE

33.6.3 Content

| Name | Data Type | Mandatory | Comment |
|------------------|--------------|-----------|---|
| OUTAGESTATUSCODE | VARCHAR(10) | X | A code representing the status of an outage |
| DESCRIPTION | VARCHAR(100) | | A description of the status code |
| LASTCHANGED | DATE | | The time that this record was last changed |

33.7 Table: NETWORK_RATING

33.7.1 NETWORK_RATING

Name NETWORK_RATING

Comment NETWORK_RATING defines a list of the equipment ratings that may be used as inputs to market constraints.

If the rating is flagged as dynamic then in real-time the rating will be dynamically determined and the static value will be used as a fallback value should the dynamic value fail.

Note:

In some rare cases equipment has ratings provided from more than one TNSP. This is identified by a different SPD Id. The value used in the NEM is normally the more restrictive of the two values.

33.7.2 Primary Key Columns

Name

SPD_ID

VALIDFROM

33.7.3 Index Columns

Name

LASTCHANGED

33.7.4 Content

| Name | Data Type | Mandatory | Comment |
|-----------|-------------|-----------|---|
| SPD_ID | VARCHAR(21) | X | ID defining this data source for use in constraints |
| VALIDFROM | DATE | X | The date that this record is applies from (inclusive) |
| VALIDTO | DATE | | The date that this record applies until (exclusive) |

| | | | |
|---------------|-------------|--|--|
| REGIONID | VARCHAR(10) | | The region that this rating is for |
| SUBSTATIONID | VARCHAR(30) | | The substation the equipment is located at |
| EQUIPMENTTYPE | VARCHAR(10) | | The type of equipment. Valid values are: LINE = Line TRANS = Transformer CB = Circuit breaker ISOL = Isolator CAP = Capacitor REAC = Reactor UNIT = Unit |
| EQUIPMENTID | VARCHAR(30) | | A unique identifier for this equipment at this substation, and based on its type |
| RATINGLEVEL | VARCHAR(10) | | The rating level of the value used, one of: NORM = Continuous rating value. Applied under pre-contingent conditions. EMER = Continuous rating value. Applied under pre-contingent conditions LDSH = Load Shedding |
| ISDYNAMIC | NUMBER(1,0) | | One of: 1 = Normally uses dynamic ratings 0 = No dynamic ratings, static ratings are used |
| LASTCHANGED | DATE | | The time that this record was last changed |

33.8 Table: NETWORK_REALTIMERATING

33.8.1 NETWORK_REALTIMERATING

Name NETWORK_REALTIMERATING

Comment The NETWORK_REALTIMERATING table shows the equipment rating values in MVA used as inputs to constraints in the dispatch solution. This includes values for both static and dynamic ratings. The NETWORK_RATING table can be used to determine the physical equipment the rating is for based on the SPD_ID value.

33.8.2 Primary Key Columns

Name

SETTLEMENTDATE

SPD_ID

33.8.3 Content

| Name | Data Type | Mandatory | Comment |
|----------------|--------------|-----------|---|
| SETTLEMENTDATE | DATE | X | The dispatch interval the rating applies to |
| SPD_ID | VARCHAR(21) | X | ID defining this data source for use in constraints |
| RATINGVALUE | NUMBER(16,6) | X | The defined equipment rating value in MVA |

33.9 Table: NETWORK_STATICRATING

33.9.1 NETWORK_STATICRATING

| | |
|---------|---|
| Name | NETWORK_STATICRATING |
| Comment | <p>NETWORK_STATICRATING lists the static rating values that will apply for a Rating Application ID.</p> <p>This data does not provide information for when the rating actually applies in the NEM. This is dependent on the Rating Application definition.</p> <p>For information on the Rating Applications please refer to the information published on the AEMO website under the topic "Transmission Equipment Ratings". The Rating Applications are referred to as Alternate Value Application Ratings.</p> <p>Ratings that normally use dynamic values will also have static rating values defined. These are used as a fallback if the dynamic rating fails.</p> |

33.9.2 Primary Key Columns

| |
|---------------|
| Name |
| APPLICATIONID |
| EQUIPMENTID |
| EQUIPMENTTYPE |
| RATINGLEVEL |
| SUBSTATIONID |
| VALIDFROM |

33.9.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

33.9.4 Content

| Name | Data Type | Mandatory | Comment |
|------|-----------|-----------|---------|
| | | | |

| | | | |
|---------------|--------------|---|---|
| SUBSTATIONID | VARCHAR(30) | X | The substation the equipment is located at |
| EQUIPMENTTYPE | VARCHAR(10) | X | The type of equipment. Valid values are: LINE = Line TRANS = Transformer CB = Circuit breaker ISOL = Isolator CAP = Capacitor REAC = Reactor UNIT = Unit |
| EQUIPMENTID | VARCHAR(30) | X | A unique identifier for this type of equipment at this substation |
| RATINGLEVEL | VARCHAR(10) | X | The rating level of the value used, one of: NORM = Continuous rating value. Applied under pre-contingent conditions. EMER = Continuous rating value. Applied under pre-contingent conditions LDSH = Load Shedding |
| APPLICATIONID | VARCHAR(20) | X | The applicationid which defines the application timeframes of this rating. |
| VALIDFROM | DATE | X | The date that this record is applies from (inclusive) |
| VALIDTO | DATE | | The date that this record applies until (exclusive) |
| RATINGVALUE | NUMBER(16,6) | | The rating value in MVA that applies. This may be positive or negative depending on which side of the nominal MW flow direction the rating value applies. Flow into a transmission device is positive, flow out of the device is negative. |
| LASTCHANGED | DATE | | The time that this record was last changed. |

33.10 Table: NETWORK_SUBSTATIONDETAIL

33.10.1 NETWORK_SUBSTATIONDETAIL

| | |
|---------|--|
| Name | NETWORK_SUBSTATIONDETAIL |
| Comment | NETWORK_SUBSTATIONDETAIL sets out the attributes of sub-stations across time |

33.10.2 Primary Key Columns

| |
|--------------|
| Name |
| SUBSTATIONID |
| VALIDFROM |

33.10.3 Index Columns

| |
|-------------|
| Name |
| LASTCHANGED |

33.10.4 Content

| Name | Data Type | Mandatory | Comment |
|--------------|--------------|-----------|--|
| SUBSTATIONID | VARCHAR(30) | X | ID uniquely identifying this substation |
| VALIDFROM | TIMESTAMP(3) | X | The record is valid from this date (inclusive) |
| VALIDTO | TIMESTAMP(3) | | The record is valid up until this date (exclusive) |
| DESCRIPTION | VARCHAR(100) | | Description of the substation |
| REGIONID | VARCHAR(10) | | The NEM region the substation is in |
| OWNERID | VARCHAR(30) | | The TNSP who is responsible for this substation |
| LASTCHANGED | TIMESTAMP(3) | | The time that this record was last changed. |

34 Package: VOLTAGE_INSTRUCTIONS

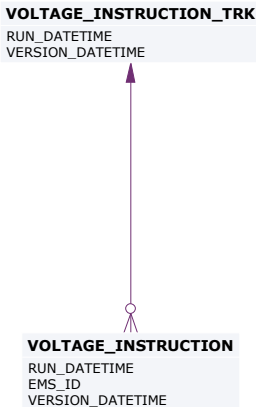
Name VOLTAGE_INSTRUCTIONS

Comment Instructions for MVAr Dispatch

34.1 List of tables

| Name | Comment |
|-------------------------|--|
| VOLTAGE_INSTRUCTION | Child record for Voltage Instructions (MVAr Dispatch) |
| VOLTAGE_INSTRUCTION_TRK | Parent record for Voltage Instructions (MVAr Dispatch). 'SIGNAL' records will have no children; 'INSTRUCTION' records will have children |

34.2 Diagram: Entities: Voltage Instructions



34.3 Table: VOLTAGE_INSTRUCTION

34.3.1 VOLTAGE_INSTRUCTION

Name VOLTAGE_INSTRUCTION
 Comment Child record for Voltage Instructions (MVAr Dispatch)

34.3.2 Primary Key Columns

Name
 EMS_ID
 RUN_DATETIME
 VERSION_DATETIME

34.3.3 Index Columns

Name
 RUN_DATETIME
 VERSION_DATETIME
 EMS_ID

34.3.4 Content

| Name | Data Type | Mandatory | Comment |
|---------------|--------------|-----------|--|
| RUN_DATETIME | date | X | MVAr Interval – a timestamp of when instructions issued |
| EMS_ID | varchar2(60) | X | The unique identifier for reference within AEMO –matches equipment names between NOS and EMS |
| PARTICIPANTID | varchar2(20) | | The NEM id of the participant who owns the equipment |
| STATION_ID | varchar2(60) | | The id of the station where the control equipment resides |

| | | | |
|----------------------|---------------|---|---|
| DEVICE_ID | varchar2(60) | | The company/participant preferred name of an equipment |
| DEVICE_TYPE | varchar2(20) | | One of REACTOR, CAPACITOR, GEN, SVC, TRANS or GRPGEN but may be extended to other types |
| CONTROL_TYPE | varchar2(20) | | One of VOLTAGE, TAP, MVAR, SWITCH or COMMIT but may be extended to other types |
| TARGET | number(20,5) | | Instruction for the device, for this interval null denotes no instruction |
| CONFORMING | number(1,0) | | [0,1] Denotes if the Device is currently conforming |
| INSTRUCTION_SUMMARY | varchar2(400) | | Verbose summary of instruction |
| VERSION_DATETIME | DATE | X | Datetime the file was published by VDS - Versions differ from Run_DateTime only for Supplemental runs |
| INSTRUCTION_SEQUENCE | number(4,0) | | Order for execution of Instruction |
| ADDITIONAL_NOTES | varchar2(60) | | Additional information pertaining to a particular instruction, e.g. Previously issued instruction revoked |

34.4 Table: VOLTAGE_INSTRUCTION_TRK

34.4.1 VOLTAGE_INSTRUCTION_TRK

| | |
|---------|--|
| Name | VOLTAGE_INSTRUCTION_TRK |
| Comment | Parent record for Voltage Instructions (MVAr Dispatch). 'SIGNAL' records will have no children; 'INSTRUCTION' records will have children |

34.4.2 Primary Key Columns

| |
|------------------|
| Name |
| RUN_DATETIME |
| VERSION_DATETIME |

34.4.3 Index Columns

| |
|------------------|
| Name |
| RUN_DATETIME |
| VERSION_DATETIME |

34.4.4 Content

| Name | Data Type | Mandatory | Comment |
|-------------------|--------------|-----------|---|
| RUN_DATETIME | date | X | MVAr Interval - a timestamp of when instructions issued |
| FILE_TYPE | varchar2(20) | | Either 'SIGNAL' (childless) or 'INSTRUCTION' |
| VERSION_DATETIME | DATE | X | Datetime the file was published by VDS - Versions differ from Run_DateTime only for Supplemental runs |
| SE_DATETIME | DATE | | State Estimator start time, when a snapshot is taken of SCADA values |
| SOLUTION_CATEGORY | varchar2(60) | | VDS solver solution category. Valid values: SUCCESS, WARNING, FAILURE |

| | | | |
|----------------------|---------------|--|--|
| SOLUTION_STATUS | varchar2(60) | | VDS solver solution status. Valid values: NOACTCNV [Solved with no instructions], NOVIOACT, CONVERGE, UNMANAGE, UNMANCTG, CTGDIV, SENHDIV [Failed with too many violations], BCDIV |
| OPERATING_MODE | varchar2(60) | | The current VDS operating mode. Valid values: AUTO, AUTO-VERIFIED, MANUAL |
| OPERATING_STATUS | varchar2(100) | | Unstructured code and message from AEMO |
| EST_EXPIRY | DATE | | Estimated expiry time of current Instruction set |
| EST_NEXT_INSTRUCTION | DATE | | Estimated issue time of next Instruction set |

35 List of tables

| Name | Parent |
|--------------------------|------------------------------------|
| ADG_DETAIL | Package 'PARTICIPANT_REGISTRATION' |
| AGGREGATE_DISPATCH_GROUP | Package 'PARTICIPANT_REGISTRATION' |
| ANCILLARY_RECOVERY_SPLIT | Package 'SETTLEMENT_CONFIG' |
| APCCOMP | Package 'HISTORICAL TABLES' |
| APCCOMPAMOUNT | Package 'HISTORICAL TABLES' |
| APCCOMPAMOUNTTRK | Package 'HISTORICAL TABLES' |
| APEVENT | Package 'FORCE_MAJEURE' |
| APEVENTREGION | Package 'FORCE_MAJEURE' |
| AUCTION | Package 'IRAUCTION' |
| AUCTION_CALENDAR | Package 'IRAUCTION' |
| AUCTION_IC_ALLOCATIONS | Package 'IRAUCTION' |
| AUCTION_REVENUE_ESTIMATE | Package 'IRAUCTION' |
| AUCTION_REVENUE_TRACK | Package 'IRAUCTION' |
| AUCTION_RP_ESTIMATE | Package 'IRAUCTION' |
| AUCTION_TRANCHE | Package 'IRAUCTION' |
| AVERAGEPRICE30 | Package 'TRADING_DATA' |
| BIDDAYOFFER | Package 'BIDS' |
| BIDDAYOFFER_D | Package 'BIDS' |
| BIDDUIDDETAILS | Package 'PARTICIPANT_REGISTRATION' |
| BIDDUIDDETAILSTRK | Package 'PARTICIPANT_REGISTRATION' |
| BIDOFFERFILETRK | Package 'BIDS' |
| BIDOFFERPERIOD | Package 'BIDS' |
| BIDPEROFFER | Package 'HISTORICAL TABLES' |
| BIDPEROFFER_D | Package 'BIDS' |
| BIDTYPES | Package 'MARKET_CONFIG' |

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| BIDTYPESTRK | Package 'MARKET_CONFIG' |
| BILLADJUSTMENTS | Package 'HISTORICAL TABLES' |
| BILLING_APC_COMPENSATION | Package 'BILLING_RUN' |
| BILLING_APC_RECOVERY | Package 'BILLING_RUN' |
| BILLING_CO2E_PUBLICATION | Package 'BILLING_RUN' |
| BILLING_CO2E_PUBLICATION_TRK | Package 'BILLING_RUN' |
| BILLING_CSP_DEROGATION_AMOUNT | Package 'HISTORICAL TABLES' |
| BILLING_DAILY_ENERGY_SUMMARY | Package 'BILLING_RUN' |
| BILLING_DIR_FINAL_AMOUNT | Package 'BILLING_RUN' |
| BILLING_DIR_FINAL_RECOVERY | Package 'BILLING_RUN' |
| BILLING_DIR_PROV_AMOUNT | Package 'BILLING_RUN' |
| BILLING_DIR_PROV_RECOVERY | Package 'BILLING_RUN' |
| BILLING_DIR_RECOVERY_DETAIL | Package 'BILLING_RUN' |
| BILLING_DIRECTION_RECON_OTHER | Package 'BILLING_RUN' |
| BILLING_DIRECTION_RECONCILIATN | Package 'BILLING_RUN' |
| BILLING_EFTSHORTFALL_AMOUNT | Package 'BILLING_RUN' |
| BILLING_EFTSHORTFALL_DETAIL | Package 'BILLING_RUN' |
| BILLING_ENERGY_TRAN_SAPS | Package 'BILLING_RUN' |
| BILLING_GST_DETAIL | Package 'BILLING_RUN' |
| BILLING_GST_SUMMARY | Package 'BILLING_RUN' |
| BILLING_MR_PAYMENT | Package 'HISTORICAL TABLES' |
| BILLING_MR_RECOVERY | Package 'HISTORICAL TABLES' |
| BILLING_MR_SHORTFALL | Package 'HISTORICAL TABLES' |
| BILLING_MR_SUMMARY | Package 'HISTORICAL TABLES' |
| BILLING_NMAS_TST_PAYMENTS | Package 'BILLING_RUN' |
| BILLING_NMAS_TST_RECOVERY | Package 'BILLING_RUN' |
| BILLING_NMAS_TST_RECVRV_RBF | Package 'BILLING_RUN' |

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| BILLING_NMAS_TST_RECVRVY_TRK | Package 'BILLING_RUN' |
| BILLING_RES_TRADER_PAYMENT | Package 'HISTORICAL TABLES' |
| BILLING_RES_TRADER_RECOVERY | Package 'HISTORICAL TABLES' |
| BILLING_SECDEP_INTEREST_PAY | Package 'BILLING_RUN' |
| BILLING_SECDEP_INTEREST_RATE | Package 'BILLING_RUN' |
| BILLING_SECDEPOSIT_APPLICATION | Package 'BILLING_RUN' |
| BILLING_SUBST_DEMAND | Package 'BILLING_RUN' |
| BILLING_SUBST_RUN_VERSION | Package 'BILLING_RUN' |
| BILLING_WDR | Package 'BILLING_RUN' |
| BILLING_WDR_DETAIL | Package 'BILLING_RUN' |
| BILLINGAPCCOMPENSATION | Package 'BILLING_RUN' |
| BILLINGAPCRECOVERY | Package 'BILLING_RUN' |
| BILLINGASPAYMENTS | Package 'BILLING_RUN' |
| BILLINGASRECOVERY | Package 'BILLING_RUN' |
| BILLINGCALENDAR | Package 'BILLING_CONFIG' |
| BILLINGCPDATA | Package 'BILLING_RUN' |
| BILLINGCPSUM | Package 'HISTORICAL TABLES' |
| BILLINGCUSTEXCESSGEN | Package 'HISTORICAL TABLES' |
| BILLINGDAYTRK | Package 'BILLING_RUN' |
| BILLINGEXCESSGEN | Package 'HISTORICAL TABLES' |
| BILLINGFEES | Package 'BILLING_RUN' |
| BILLINGFINANCIALADJUSTMENTS | Package 'BILLING_RUN' |
| BILLINGGENDATA | Package 'BILLING_RUN' |
| BILLINGINTERRESIDUES | Package 'BILLING_RUN' |
| BILLINGINTERVENTION | Package 'HISTORICAL TABLES' |
| BILLINGINTERVENTIONREGION | Package 'HISTORICAL TABLES' |
| BILLINGINTRARESIDUES | Package 'BILLING_RUN' |

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| BILLINGIRAUCSURPLUS | Package 'BILLING_RUN' |
| BILLINGIRAUCSURPLUSSUM | Package 'BILLING_RUN' |
| BILLINGIRFM | Package 'BILLING_RUN' |
| BILLINGIRNSPSURPLUS | Package 'BILLING_RUN' |
| BILLINGIRNSPSURPLUSSUM | Package 'BILLING_RUN' |
| BILLINGIRPARTSURPLUS | Package 'BILLING_RUN' |
| BILLINGIRPARTSURPLUSSUM | Package 'BILLING_RUN' |
| BILLINGPRIORADJUSTMENTS | Package 'BILLING_RUN' |
| BILLINGREALLOC | Package 'BILLING_RUN' |
| BILLINGREALLOC_DETAIL | Package 'BILLING_RUN' |
| BILLINGREGIONEXPORTS | Package 'BILLING_RUN' |
| BILLINGREGIONFIGURES | Package 'BILLING_RUN' |
| BILLINGREGIONIMPORTS | Package 'BILLING_RUN' |
| BILLINGRESERVERECOVERY | Package 'HISTORICAL TABLES' |
| BILLINGRESERVEREGIONRECOVERY | Package 'HISTORICAL TABLES' |
| BILLINGRESERVETRADER | Package 'HISTORICAL TABLES' |
| BILLINGRESERVETRADERREGION | Package 'HISTORICAL TABLES' |
| BILLINGRUNTRK | Package 'BILLING_RUN' |
| BILLINGSMELTERREDUCTION | Package 'HISTORICAL TABLES' |
| BILLINTERVENTIONRECOVERY | Package 'HISTORICAL TABLES' |
| BILLINTERVENTIONREGIONRECOVERY | Package 'HISTORICAL TABLES' |
| BILLRESERVETRADERPAYMENT | Package 'BILLING_RUN' |
| BILLRESERVETRADERRECOVERY | Package 'BILLING_RUN' |
| BILLSMELTERRATE | Package 'HISTORICAL TABLES' |
| BILLWHITEHOLE | Package 'BILLING_RUN' |
| CONNECTIONPOINT | Package 'HISTORICAL TABLES' |
| CONNECTIONPOINTDETAILS | Package 'HISTORICAL TABLES' |

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| CONNECTIONPOINTOPERATINGSTA | Package 'HISTORICAL TABLES' |
| CONSTRAINTRELAXATION_OCD | Package 'DISPATCH' |
| CONTRACTAGC | Package 'ANCILLARY_SERVICES' |
| CONTRACTGOVERNOR | Package 'HISTORICAL TABLES' |
| CONTRACTLOADSHED | Package 'ANCILLARY_SERVICES' |
| CONTRACTREACTIVEPOWER | Package 'ANCILLARY_SERVICES' |
| CONTRACTRESERVEFLAG | Package 'HISTORICAL TABLES' |
| CONTRACTRESERVETHRESHOLD | Package 'HISTORICAL TABLES' |
| CONTRACTRESERVETRADER | Package 'HISTORICAL TABLES' |
| CONTRACTRESTARTSERVICES | Package 'ANCILLARY_SERVICES' |
| CONTRACTRESTARTUNITS | Package 'ANCILLARY_SERVICES' |
| CONTRACTUNITLOADING | Package 'HISTORICAL TABLES' |
| CONTRACTUNITUNLOADING | Package 'HISTORICAL TABLES' |
| DAYOFFER | Package 'HISTORICAL TABLES' |
| DAYOFFER_D | Package 'HISTORICAL TABLES' |
| DAYTRACK | Package 'SETTLEMENT_DATA' |
| DEFAULTDAYOFFER | Package 'HISTORICAL TABLES' |
| DEFAULTOFFERTRK | Package 'HISTORICAL TABLES' |
| DEFAULTPEROFFER | Package 'HISTORICAL TABLES' |
| DELTAMW | Package 'HISTORICAL TABLES' |
| DEMANDOPERATIONALACTUAL | Package 'DEMAND_FORECASTS' |
| DEMANDOPERATIONALFORECAST | Package 'DEMAND_FORECASTS' |
| DISPATCH_CONSTRAINT_FCAS_OCD | Package 'DISPATCH' |
| DISPATCH_FCAS_REQ | Package 'DISPATCH' |
| DISPATCH_INTERCONNECTION | Package 'DISPATCH' |
| DISPATCH_LOCAL_PRICE | Package 'DISPATCH' |
| DISPATCH_MNSPBIDTRK | Package 'DISPATCH' |

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| DISPATCH_MR_SCHEDULE_TRK | Package 'DISPATCH' |
| DISPATCH_PRICE_REVISION | Package 'DISPATCH' |
| DISPATCH_UNIT_CONFORMANCE | Package 'DISPATCH' |
| DISPATCH_UNIT_SCADA | Package 'DISPATCH' |
| DISPATCHABLEUNIT | Package 'PARTICIPANT_REGISTRATION' |
| DISPATCHBIDTRK | Package 'HISTORICAL TABLES' |
| DISPATCHBLOCKEDCONSTRAINT | Package 'DISPATCH' |
| DISPATCHCASE_OCD | Package 'HISTORICAL TABLES' |
| DISPATCHCASESOLUTION | Package 'DISPATCH' |
| DISPATCHCASESOLUTION_BNC | Package 'HISTORICAL TABLES' |
| DISPATCHCONSTRAINT | Package 'DISPATCH' |
| DISPATCHINTERCONNECTORRES | Package 'DISPATCH' |
| DISPATCHLOAD | Package 'DISPATCH' |
| DISPATCHLOAD_BNC | Package 'HISTORICAL TABLES' |
| DISPATCHOFFERTRK | Package 'DISPATCH' |
| DISPATCHPRICE | Package 'DISPATCH' |
| DISPATCHREGIONSUM | Package 'DISPATCH' |
| DISPATCHTRK | Package 'HISTORICAL TABLES' |
| DUALLOC | Package 'PARTICIPANT_REGISTRATION' |
| DUDETAIL | Package 'PARTICIPANT_REGISTRATION' |
| DUDETAILSUMMARY | Package 'PARTICIPANT_REGISTRATION' |
| EMSMASTER | Package 'GENERIC_CONSTRAINT' |
| FORCEMAJEURE | Package 'HISTORICAL TABLES' |
| FORCEMAJEUREREGION | Package 'HISTORICAL TABLES' |
| GDINSTRUCT | Package 'GD_INSTRUCT' |
| GENCONDATA | Package 'GENERIC_CONSTRAINT' |
| GENCONSET | Package 'GENERIC_CONSTRAINT' |

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| GENCONSETINVOKE | Package 'GENERIC_CONSTRAINT' |
| GENCONSETTRK | Package 'GENERIC_CONSTRAINT' |
| GENERICCONSTRAINTRHS | Package 'GENERIC_CONSTRAINT' |
| GENERICEQUATIONDESC | Package 'GENERIC_CONSTRAINT' |
| GENERICEQUATIONRHS | Package 'GENERIC_CONSTRAINT' |
| GENMETER | Package 'PARTICIPANT_REGISTRATION' |
| GENUNITMTRINPERIOD | Package 'HISTORICAL TABLES' |
| GENUNITS | Package 'PARTICIPANT_REGISTRATION' |
| GENUNITS_UNIT | Package 'PARTICIPANT_REGISTRATION' |
| GST_BAS_CLASS | Package 'BILLING_CONFIG' |
| GST_RATE | Package 'BILLING_CONFIG' |
| GST_TRANSACTION_CLASS | Package 'BILLING_CONFIG' |
| GST_TRANSACTION_TYPE | Package 'BILLING_CONFIG' |
| INSTRUCTIONSUBTYPE | Package 'GD_INSTRUCT' |
| INSTRUCTIONTYPE | Package 'GD_INSTRUCT' |
| INTCONTRACT | Package 'HISTORICAL TABLES' |
| INTCONTRACTAMOUNT | Package 'HISTORICAL TABLES' |
| INTCONTRACTAMOUNTTRK | Package 'HISTORICAL TABLES' |
| INTERCONNECTOR | Package 'MARKET_CONFIG' |
| INTERCONNECTORALLOC | Package 'MARKET_CONFIG' |
| INTERCONNECTORCONSTRAINT | Package 'MARKET_CONFIG' |
| INTERCONNMWFLOW | Package 'HISTORICAL TABLES' |
| INTERMITTENT_CLUSTER_AVAIL | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_CLUSTER_AVAIL_DAY | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_DS_PRED | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_DS_RUN | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_FORECAST_TRK | Package 'DISPATCH' |

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| INTERMITTENT_GEN_FCST | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_GEN_FCST_DATA | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_GEN_LIMIT | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_GEN_LIMIT_DAY | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_GEN_SCADA | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_P5_PRED | Package 'DEMAND_FORECASTS' |
| INTERMITTENT_P5_RUN | Package 'DEMAND_FORECASTS' |
| INTRAREGIONALLOC | Package 'MARKET_CONFIG' |
| IRFMAMOUNT | Package 'FORCE_MAJEURE' |
| IRFMEVENTS | Package 'FORCE_MAJEURE' |
| LOSSFACTORMODEL | Package 'MARKET_CONFIG' |
| LOSSMODEL | Package 'MARKET_CONFIG' |
| MARKET_FEE_CAT_EXCL | Package 'SETTLEMENT_CONFIG' |
| MARKET_FEE_CAT_EXCL_TRK | Package 'SETTLEMENT_CONFIG' |
| MARKET_FEE_EXCLUSION | Package 'SETTLEMENT_CONFIG' |
| MARKET_FEE_EXCLUSIONTRK | Package 'SETTLEMENT_CONFIG' |
| MARKET_PRICE_THRESHOLDS | Package 'MARKET_CONFIG' |
| MARKET_SUSPEND_REGIME_SUM | Package 'FORCE_MAJEURE' |
| MARKET_SUSPEND_REGION_SUM | Package 'FORCE_MAJEURE' |
| MARKET_SUSPEND_SCHEDULE | Package 'FORCE_MAJEURE' |
| MARKET_SUSPEND_SCHEDULE_TRK | Package 'FORCE_MAJEURE' |
| MARKETFEE | Package 'SETTLEMENT_CONFIG' |
| MARKETFEEDATA | Package 'SETTLEMENT_CONFIG' |
| MARKETFEETRK | Package 'SETTLEMENT_CONFIG' |
| MARKETNOTICEDATA | Package 'MARKET_NOTICE' |
| MARKETNOTICETYPE | Package 'MARKET_NOTICE' |
| MARKETSUSPENSION | Package 'HISTORICAL TABLES' |

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| MARKETSUSREGION | Package 'HISTORICAL TABLES' |
| MAS_CP_CHANGE | Package 'HISTORICAL TABLES' |
| MAS_CP_MASTER | Package 'HISTORICAL TABLES' |
| MCC_CASESOLUTION | Package 'MCC_DISPATCH' |
| MCC_CONSTRAINTSOLUTION | Package 'MCC_DISPATCH' |
| METERDATA | Package 'HISTORICAL TABLES' |
| METERDATA_AGGREGATE_READS | Package 'METER_DATA' |
| METERDATA_GEN_DUID | Package 'HISTORICAL TABLES' |
| METERDATA_INDIVIDUAL_READS | Package 'METER_DATA' |
| METERDATA_INTERCONNECTOR | Package 'METER_DATA' |
| METERDATA_SAPS | Package 'METER_DATA' |
| METERDATA_TRK | Package 'HISTORICAL TABLES' |
| METERDATA_WDR_READS | Package 'METER_DATA' |
| METERDATATRK | Package 'HISTORICAL TABLES' |
| MMS_DATA_MODEL_AUDIT | Package 'CONFIGURATION' |
| MNSP_BIDOFFERPERIOD | Package 'BIDS' |
| MNSP_DAYOFFER | Package 'BIDS' |
| MNSP_FILETRK | Package 'HISTORICAL TABLES' |
| MNSP_INTERCONNECTOR | Package 'PARTICIPANT_REGISTRATION' |
| MNSP_OFFERTRK | Package 'HISTORICAL TABLES' |
| MNSP_PARTICIPANT | Package 'PARTICIPANT_REGISTRATION' |
| MNSP_PEROFFER | Package 'HISTORICAL TABLES' |
| MR_DAYOFFER_STACK | Package 'HISTORICAL TABLES' |
| MR_EVENT | Package 'HISTORICAL TABLES' |
| MR_EVENT_SCHEDULE | Package 'HISTORICAL TABLES' |
| MR_PEROFFER_STACK | Package 'HISTORICAL TABLES' |
| MTPASA_CASE_SET | Package 'HISTORICAL TABLES' |

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| MTPASA_CASERESULT | Package 'MTPASA' |
| MTPASA_CASESOLUTION | Package 'HISTORICAL TABLES' |
| MTPASA_CONSTRAINTRESULT | Package 'MTPASA' |
| MTPASA_CONSTRAINTSOLUTION | Package 'HISTORICAL TABLES' |
| MTPASA_CONSTRAINTSUMMARY | Package 'MTPASA' |
| MTPASA_DUIDAVAILABILITY | Package 'MTPASA' |
| MTPASA_INTERCONNECTORRESULT | Package 'MTPASA' |
| MTPASA_INTERCONNECTORSOLUTION | Package 'HISTORICAL TABLES' |
| MTPASA_INTERMITTENT_AVAIL | Package 'DEMAND_FORECASTS' |
| MTPASA_INTERMITTENT_LIMIT | Package 'DEMAND_FORECASTS' |
| MTPASA_LOLRESULT | Package 'MTPASA' |
| MTPASA_OFFERDATA | Package 'BIDS' |
| MTPASA_OFFERFILETRK | Package 'BIDS' |
| MTPASA_REGIONAVAIL_TRK | Package 'MTPASA' |
| MTPASA_REGIONAVAILABILITY | Package 'MTPASA' |
| MTPASA_REGIONITERATION | Package 'MTPASA' |
| MTPASA_REGIONRESULT | Package 'MTPASA' |
| MTPASA_REGIONSOLUTION | Package 'HISTORICAL TABLES' |
| MTPASA_REGIONSUMMARY | Package 'MTPASA' |
| MTPASA_RESERVELIMIT | Package 'RESERVE_DATA' |
| MTPASA_RESERVELIMIT_REGION | Package 'RESERVE_DATA' |
| MTPASA_RESERVELIMIT_SET | Package 'RESERVE_DATA' |
| MTPASA_RESERVELIMITSOLUTION | Package 'HISTORICAL TABLES' |
| MTPASACONSTRAINTSOLUTION_D | Package 'HISTORICAL TABLES' |
| MTPASAINTERCONNECTORSOLUTION_D | Package 'HISTORICAL TABLES' |
| MTPASAREGIONSOLUTION_D | Package 'HISTORICAL TABLES' |
| NEGATIVE_RESIDUE | Package 'DISPATCH' |

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| NETWORK_EQUIPMENTDETAIL | Package 'NETWORK' |
| NETWORK_OUTAGECONSTRAINTSET | Package 'NETWORK' |
| NETWORK_OUTAGEDetail | Package 'NETWORK' |
| NETWORK_OUTAGESTATUSCODE | Package 'NETWORK' |
| NETWORK_RATING | Package 'NETWORK' |
| NETWORK_REALTIMERATING | Package 'NETWORK' |
| NETWORK_STATICRATING | Package 'NETWORK' |
| NETWORK_SUBSTATIONDETAIL | Package 'NETWORK' |
| OARTRACK | Package 'HISTORICAL TABLES' |
| OFFERAGCDATA | Package 'ASOFFER' |
| OFFERASTRK | Package 'ASOFFER' |
| OFFERFILETRK | Package 'HISTORICAL TABLES' |
| OFFERGOVDATA | Package 'HISTORICAL TABLES' |
| OFFERLSHEDDATA | Package 'ASOFFER' |
| OFFERRESTARTDATA | Package 'ASOFFER' |
| OFFERRPOWERDATA | Package 'ASOFFER' |
| OFFERULOADINGDATA | Package 'HISTORICAL TABLES' |
| OFFERUNLOADINGDATA | Package 'HISTORICAL TABLES' |
| OVERRIDEERRP | Package 'FORCE_MAJEURE' |
| P5MIN_BLOCKEDCONSTRAINT | Package 'P5MIN' |
| P5MIN_CASESOLUTION | Package 'P5MIN' |
| P5MIN_CONSTRAINTSOLUTION | Package 'P5MIN' |
| P5MIN_FCAS_REQUIREMENT | Package 'P5MIN' |
| P5MIN_INTERCONNECTORSOLN | Package 'P5MIN' |
| P5MIN_INTERSENSITIVITIES | Package 'P5MIN' |
| P5MIN_LOCAL_PRICE | Package 'P5MIN' |
| P5MIN_PRICESENSITIVITIES | Package 'P5MIN' |

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| P5MIN_REGIONSOLUTION | Package 'P5MIN' |
| P5MIN_SCENARIODEMAND | Package 'P5MIN' |
| P5MIN_SCENARIODEMANDTRK | Package 'P5MIN' |
| P5MIN_UNITSOLUTION | Package 'P5MIN' |
| PARTICIPANT | Package 'PARTICIPANT_REGISTRATION' |
| PARTICIPANT_BANDFEE_ALLOC | Package 'SETTLEMENT_CONFIG' |
| PARTICIPANTACCOUNT | Package 'PARTICIPANT_REGISTRATION' |
| PARTICIPANTCATEGORY | Package 'PARTICIPANT_REGISTRATION' |
| PARTICIPANTCATEGORYALLOC | Package 'PARTICIPANT_REGISTRATION' |
| PARTICIPANTCLASS | Package 'PARTICIPANT_REGISTRATION' |
| PARTICIPANTCREDITDETAIL | Package 'PARTICIPANT_REGISTRATION' |
| PARTICIPANTNOTICETRK | Package 'MARKET_NOTICE' |
| PASACASESOLUTION | Package 'HISTORICAL TABLES' |
| PASACONSTRAINTSOLUTION | Package 'HISTORICAL TABLES' |
| PASAINTERCONNECTORSOLUTION | Package 'HISTORICAL TABLES' |
| PASAREGIONSOLUTION | Package 'HISTORICAL TABLES' |
| PDPASA_CASESOLUTION | Package 'PDPASA' |
| PDPASA_CONSTRAINTSOLUTION | Package 'PDPASA' |
| PDPASA_INTERCONNECTORSOLN | Package 'PDPASA' |
| PDPASA_REGIONSOLUTION | Package 'PDPASA' |
| PERDEMAND | Package 'DEMAND_FORECASTS' |
| PEROFFER | Package 'HISTORICAL TABLES' |
| PEROFFER_D | Package 'HISTORICAL TABLES' |
| PMS_GROUP | Package 'PARTICIPANT_REGISTRATION' |
| PMS_GROUPNMI | Package 'PARTICIPANT_REGISTRATION' |
| PMS_GROUPSERVICE | Package 'PARTICIPANT_REGISTRATION' |
| PREDISPATCH_FCAS_REQ | Package 'PRE_DISPATCH' |

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| PREDISPATCH_LOCAL_PRICE | Package 'PRE_DISPATCH' |
| PREDISPATCH_MNSPBIDTRK | Package 'PRE_DISPATCH' |
| PREDISPATCHBIDTRK | Package 'HISTORICAL TABLES' |
| PREDISPATCHBLOCKEDCONSTRAINT | Package 'PRE_DISPATCH' |
| PREDISPATCHCASESOLUTION | Package 'PRE_DISPATCH' |
| PREDISPATCHCONSTRAINT | Package 'PRE_DISPATCH' |
| PREDISPATCHINTERCONNECTORRES | Package 'PRE_DISPATCH' |
| PREDISPATCHINTERSENSITIVITIES | Package 'PRE_DISPATCH' |
| PREDISPATCHLOAD | Package 'PRE_DISPATCH' |
| PREDISPATCHOFFERTRK | Package 'PRE_DISPATCH' |
| PREDISPATCHPRICE | Package 'PRE_DISPATCH' |
| PREDISPATCHPRICESENSITIVITIES | Package 'PRE_DISPATCH' |
| PREDISPATCHREGIONSUM | Package 'PRE_DISPATCH' |
| PREDISPATCHSCENARIODEMAND | Package 'PRE_DISPATCH' |
| PREDISPATCHSCENARIODEMANDTRK | Package 'PRE_DISPATCH' |
| PRUDENTIALCOMPANYPOSITION | Package 'PRUDENTIALS' |
| PRUDENTIALRUNTRK | Package 'PRUDENTIALS' |
| REALLOCATION | Package 'SETTLEMENT_CONFIG' |
| REALLOCATIONDETAILS | Package 'HISTORICAL TABLES' |
| REALLOCATIONINTERVAL | Package 'SETTLEMENT_CONFIG' |
| REALLOCATIONINTERVALS | Package 'HISTORICAL TABLES' |
| REALLOCATIONS | Package 'HISTORICAL TABLES' |
| REGION | Package 'MARKET_CONFIG' |
| REGIONAPC | Package 'FORCE_MAJEURE' |
| REGIONAPCINTERVALS | Package 'FORCE_MAJEURE' |
| REGIONFCASRELAXATION_OCD | Package 'HISTORICAL TABLES' |
| REGIONSTANDINGDATA | Package 'MARKET_CONFIG' |

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| RESDEMANDTRK | Package 'DEMAND_FORECASTS' |
| RESERVE | Package 'RESERVE_DATA' |
| RESIDUE_BID_TRK | Package 'IRAUCTION' |
| RESIDUE_CON_DATA | Package 'IRAUCTION' |
| RESIDUE_CON_ESTIMATES_TRK | Package 'IRAUCTION' |
| RESIDUE_CON_FUNDS | Package 'IRAUCTION' |
| RESIDUE_CONTRACTS | Package 'IRAUCTION' |
| RESIDUE_FUNDS_BID | Package 'IRAUCTION' |
| RESIDUE_PRICE_BID | Package 'IRAUCTION' |
| RESIDUE_PRICE_FUNDS_BID | Package 'IRAUCTION' |
| RESIDUE_PUBLIC_DATA | Package 'IRAUCTION' |
| RESIDUE_TRK | Package 'IRAUCTION' |
| RESIDUECONTRACTPAYMENTS | Package 'IRAUCTION' |
| RESIDUEFILETRK | Package 'IRAUCTION' |
| ROOFTOP_PV_ACTUAL | Package 'DEMAND_FORECASTS' |
| ROOFTOP_PV_FORECAST | Package 'DEMAND_FORECASTS' |
| SECDEPOSIT_INTEREST_RATE | Package 'BILLING_CONFIG' |
| SECDEPOSIT_PROVISION | Package 'BILLING_CONFIG' |
| SET_APC_COMPENSATION | Package 'SETTLEMENT_DATA' |
| SET_APC_RECOVERY | Package 'SETTLEMENT_DATA' |
| SET_ANCILLARY_SUMMARY | Package 'SETTLEMENT_DATA' |
| SET_CSP_DEROGATION_AMOUNT | Package 'HISTORICAL TABLES' |
| SET_CSP_SUPPORTDATA_CONSTRAINT | Package 'HISTORICAL TABLES' |
| SET_CSP_SUPPORTDATA_ENERGYDIFF | Package 'HISTORICAL TABLES' |
| SET_CSP_SUPPORTDATA_SUBPRICE | Package 'HISTORICAL TABLES' |
| SET_ENERGY_TRAN_SAPS | Package 'SETTLEMENT_DATA' |
| SET_FCAS_PAYMENT | Package 'SETTLEMENT_DATA' |

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| SET_FCAS_RECOVERY | Package 'SETTLEMENT_DATA' |
| SET_FCAS_REGULATION_TRK | Package 'SETTLEMENT_DATA' |
| SET_MR_PAYMENT | Package 'HISTORICAL TABLES' |
| SET_MR_RECOVERY | Package 'HISTORICAL TABLES' |
| SET_NMAS_RECOVERY | Package 'SETTLEMENT_DATA' |
| SET_NMAS_RECOVERY_RBF | Package 'SETTLEMENT_DATA' |
| SET_RECOVERY_ENERGY | Package 'SETTLEMENT_DATA' |
| SET_RUN_PARAMETER | Package 'SETTLEMENT_DATA' |
| SET_SUBST_RUN_VERSION | Package 'SETTLEMENT_DATA' |
| SET_SUBSTITUTE_DEMAND | Package 'SETTLEMENT_DATA' |
| SET_WDR_RECON_DETAIL | Package 'SETTLEMENT_DATA' |
| SET_WDR_TRANSACT | Package 'SETTLEMENT_DATA' |
| SETAGCPAYMENT | Package 'HISTORICAL TABLES' |
| SETAGCRECOVERY | Package 'HISTORICAL TABLES' |
| SETAPCCOMPENSATION | Package 'HISTORICAL TABLES' |
| SETAPCRECOVERY | Package 'HISTORICAL TABLES' |
| SETCFG_PARTICIPANT_MPF | Package 'SETTLEMENT_CONFIG' |
| SETCFG_PARTICIPANT_MPFTRK | Package 'SETTLEMENT_CONFIG' |
| SETCFG_SAPS_SETT_PRICE | Package 'SETTLEMENT_CONFIG' |
| SETCFG_WDR_REIMBURSE_RATE | Package 'SETTLEMENT_CONFIG' |
| SETCFG_WDRRR_CALENDAR | Package 'SETTLEMENT_CONFIG' |
| SETCPDATA | Package 'SETTLEMENT_DATA' |
| SETCPDATAREGION | Package 'SETTLEMENT_DATA' |
| SETFCASCOMP | Package 'HISTORICAL TABLES' |
| SETFCASRECOVERY | Package 'HISTORICAL TABLES' |
| SETFCASREGIONRECOVERY | Package 'SETTLEMENT_DATA' |
| SETGENDATA | Package 'SETTLEMENT_DATA' |

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| SETGENDATAREGION | Package 'SETTLEMENT_DATA' |
| SETGOVPAYMENT | Package 'HISTORICAL TABLES' |
| SETGOVRECOVERY | Package 'HISTORICAL TABLES' |
| SETINTERVENTION | Package 'HISTORICAL TABLES' |
| SETINTERVENTIONRECOVERY | Package 'HISTORICAL TABLES' |
| SETINTRAREGIONRESIDUES | Package 'SETTLEMENT_DATA' |
| SETIRAUCSURPLUS | Package 'SETTLEMENT_DATA' |
| SETIRFMRECOVERY | Package 'HISTORICAL TABLES' |
| SETIRNSPSURPLUS | Package 'SETTLEMENT_DATA' |
| SETIRPARTSURPLUS | Package 'SETTLEMENT_DATA' |
| SETIRSURPLUS | Package 'SETTLEMENT_DATA' |
| SETLOCALAREAENERGY | Package 'SETTLEMENT_DATA' |
| SETLOCALAREATNI | Package 'SETTLEMENT_DATA' |
| SETLSHEDPAYMENT | Package 'SETTLEMENT_DATA' |
| SETLSHEDRECOVERY | Package 'SETTLEMENT_DATA' |
| SETLULOADPAYMENT | Package 'HISTORICAL TABLES' |
| SETLULOADRECOVERY | Package 'HISTORICAL TABLES' |
| SETLUNLOADPAYMENT | Package 'HISTORICAL TABLES' |
| SETLUNLOADRECOVERY | Package 'HISTORICAL TABLES' |
| SETMARKETFEEES | Package 'SETTLEMENT_DATA' |
| SETREALLOCATIONS | Package 'SETTLEMENT_DATA' |
| SETRESERVERECOVERY | Package 'SETTLEMENT_DATA' |
| SETRESERVETRADER | Package 'HISTORICAL TABLES' |
| SETRESTARTPAYMENT | Package 'SETTLEMENT_DATA' |
| SETRESTARTRECOVERY | Package 'SETTLEMENT_DATA' |
| SETRPOWERPAYMENT | Package 'SETTLEMENT_DATA' |
| SETRPOWERRECOVERY | Package 'SETTLEMENT_DATA' |

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| SETSMALLGENDATA | Package 'SETTLEMENT_DATA' |
| SETVICBOUNDARYENERGY | Package 'HISTORICAL TABLES' |
| SETVICENERGYFIGURES | Package 'HISTORICAL TABLES' |
| SETVICENERGYFLOW | Package 'HISTORICAL TABLES' |
| SPDCONNECTIONPOINTCONSTRAINT | Package 'GENERIC_CONSTRAINT' |
| SPDINTERCONNECTORCONSTRAINT | Package 'GENERIC_CONSTRAINT' |
| SPDREGIONCONSTRAINT | Package 'GENERIC_CONSTRAINT' |
| SRA_CASH_SECURITY | Package 'IRAUCTION' |
| SRA_FINANCIAL_AUC_MARDETAIL | Package 'IRAUCTION' |
| SRA_FINANCIAL_AUC_MARGIN | Package 'IRAUCTION' |
| SRA_FINANCIAL_AUC_RECEIPTS | Package 'IRAUCTION' |
| SRA_FINANCIAL_AUCPAY_DETAIL | Package 'IRAUCTION' |
| SRA_FINANCIAL_AUCPAY_SUM | Package 'IRAUCTION' |
| SRA_FINANCIAL_RUNTRK | Package 'IRAUCTION' |
| SRA_OFFER_PRODUCT | Package 'IRAUCTION' |
| SRA_OFFER_PROFILE | Package 'IRAUCTION' |
| SRA_PRUDENTIAL_CASH_SECURITY | Package 'IRAUCTION' |
| SRA_PRUDENTIAL_COMP_POSITION | Package 'IRAUCTION' |
| SRA_PRUDENTIAL_EXPOSURE | Package 'IRAUCTION' |
| SRA_PRUDENTIAL_RUN | Package 'IRAUCTION' |
| STADUALLOC | Package 'PARTICIPANT_REGISTRATION' |
| STATION | Package 'PARTICIPANT_REGISTRATION' |
| STATIONOPERATINGSTATUS | Package 'PARTICIPANT_REGISTRATION' |
| STATIONOWNER | Package 'PARTICIPANT_REGISTRATION' |
| STATIONOWNERTRK | Package 'PARTICIPANT_REGISTRATION' |
| STPASA_CASESOLUTION | Package 'STPASA_SOLUTION' |
| STPASA_CONSTRAINTSOLUTION | Package 'STPASA_SOLUTION' |

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| STPASA_INTERCONNECTORSOLN | Package 'STPASA_SOLUTION' |
| STPASA_REGIONSOLUTION | Package 'STPASA_SOLUTION' |
| STPASA_SYSTEMSOLUTION | Package 'HISTORICAL TABLES' |
| STPASA_UNITSOLUTION | Package 'HISTORICAL TABLES' |
| TRADINGINTERCONNECT | Package 'TRADING_DATA' |
| TRADINGLOAD | Package 'HISTORICAL TABLES' |
| TRADINGPRICE | Package 'TRADING_DATA' |
| TRADINGREGIONSUM | Package 'HISTORICAL TABLES' |
| TRANSMISSIONLOSSFACTOR | Package 'MARKET_CONFIG' |
| VALUATIONID | Package 'IRAUCTION' |
| VOLTAGE_INSTRUCTION | Package 'VOLTAGE_INSTRUCTIONS' |
| VOLTAGE_INSTRUCTION_TRK | Package 'VOLTAGE_INSTRUCTIONS' |