EMMS - Technical Specification – Data Model v5.7 - May 2026

1.01 March 2026

Pre-production: 14 April 2026

Production: 14 May 2026

Important notice

Purpose & audience

This document describes the technical changes required to participant's systems for the EMMS - Technical Specification – Data Model v5.7 - May 2026. The Australian Energy Market Operator (AEMO) provides this information as a service targeting business analysts and IT staff in participant organisations. It provides guidance about the changes to their market systems under the National Electricity Rules (Rules), as at the date of publication.

How to use this document

- If you have questions about the business aspects of these changes, please see Consultations on AEMO's website.
- The references listed throughout this document are primary resources and take precedence over this document.
- Unless otherwise stated, you can find resources mentioned in this guide on AEMO's website.
- **Text in this format** is a link to related information. Some links require access to MarketNet.
- **Text in this format**, indicates a reference to a document on AEMO's website.
- **Text in this format** is an action to perform in the Markets Portal.
- This document is written in plain language for easy reading. Where there is a discrepancy between the Rules and information or a term in this document, the Rules take precedence.
- Glossary Terms are capitalised and have the meanings listed against them in the Glossary.
- Rules Terms have the meaning listed against them in the **National Electricity Rules** (Rules).

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Distribution

Available to the public.

Document Identification

Prepared by: AEMO Digital

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Version History

1.01 Initial creation

Documents made obsolete

The release of this document changes only the version of EMMS - Technical Specification – Data Model v5.7 - May 2026.

Support Hub

To contact AEMO's Support Hub use Contact Us on AEMO's website or for urgent matters phone: 1300 AEMO 00 (1300 236 600.

Contents

1 Introduction

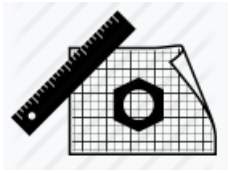
1.1 Audience

AEMO provides this information as a service targeting business analysts and IT staff in Registered Participant companies.

1.2 Objective

The EMMS - Technical Specification – Data Model v5.7 - May 2026 describes the projects planned by AEMO from a participant perspective and includes any system related changes for participants.

1.3 Status

Version	Status
1.01	In progress. The design is not ready for participants' builds Improving Security Frameworks (ISF) – Design complete estimation – 95% STPASA Replacement Project - Design complete estimation – 95% Shortening the Settlement Cycle (SSC) - Design complete estimation – 95% Project Energy Connect - Market Integration (PEC-MI) - Design complete estimation – 95%
1.00	In progress. The design is not ready for participants' builds Improving Security Frameworks (ISF) – Design complete estimation – 80% STPASA Replacement Project - Design complete estimation – 70% Shortening the Settlement Cycle (SSC) - Design complete estimation – 80% Project Energy Connect - Market Integration (PEC-MI) - Design complete estimation – 80%
0.01	 Initial Draft for review. The design is not ready for participants' builds Presents the EMMS - Technical Specification – Data Model v5.7 - May 2026 evolving design. Please send feedback to **Contact Us**. In the Details of your enquiry section, mention the EAS Knowledge Management as the Resolver group.

1.4 Release dates

Scheduled for implementation in:

- Pre-production: 14 April 2026
- Production: 14 May 2026

1.5 Rule and procedure changes

The following rules and procedures take precedence over technical specifications and guides.

For details, see the **Rule and procedure changes** section in the technical specifications mentioned in Related technical specifications**.**

1.6 Related technical specifications

Title	Description
EMMS Technical Specification August 2026	Changes related to Shortening the Settlement Cycle (SSC)
EMMS System Security Management - November 2026	Changes related to the Improving Security Frameworks (ISF) project

1.7 Related documents

Once published, these resources take precedence over this technical specification

These guides and resources are updated according to this technical specification and published by the dates below.

Title	Description	Published
Data Interchange Online Help	Help for participants using Data Interchange and the Data Model	See Release Dates in **Timeline**
Data Model Reports	Explains the packages, tables and reports in the Electricity and Gas Data Models	
Release Documents	Release Notes	

1.8 Approval to change

AEMO requested approval to proceed from all participants by close of business 5 January 2026

1.9 Market systems user group meetings

The Market Systems User Group (MSUG) is an industry user group established to discuss NEM wholesale and retail IT systems releases. Its purpose is to facilitate the continuing improvement of AEMO's IT systems by seeking feedback and collaboration from participants.

MSUG meetings are open to all interested parties, with invitations sent to all included on the distribution list. If you have a technical question for a project and want to attend the MSUG ask your company's support team to include your email address in their AEMO Help Desk Bulletin (CRM) distribution list.

1.10 Version numbers

AEMO releases new versions of this document as the technical requirements are streamlined.

Incremental version numbers such as 1.01, 2.01 and so on mean there is a minor change to the technical specification.

Major version numbers such as 1.00, 2.00 means there are substantial changes to the technical specification. Participants must carefully review these changes, detailed below.

1.11 Changes in this version

- FPP Table Updates
- Updates to Package: SYSTEM_SECURITY_MANAGEMENT report names
- Updates to reports under Package: PDPASA and Package: STPASA_SOLUTION
- Correction to the project name in Package: SETTLEMENT_DATA
- Addition of a summary table in Data population dates section

2 Proposed Timeline

The dates for the Market System User Group Meetings (MSUG) are tentative. We will provide an invitation one week prior to the meeting.

Milestone	Date	Description
Approval required	5 January 2025	AEMO requested approval to proceed from all participants by close of business 5 January 2026
Revised Technical Specification	March 2026	AEMO releases new versions of this document as the technical requirements are streamlined. During the project this document is the source of truth From the production release, the technical specification becomes final and the **related documents** become the source of truth **Technical Specification Portal**
Related Documents publication	14 April 2026	Release of guides and resources mentioned in Related on page 7
Next MSUG meeting	16 April 2026 (TBC)	Market Systems User Group Meeting (MSUG) to review the technical specification and ask AEMO technical SMEs questions This date is tentative. The Knowledge Management Team provides the invitation prior to the meeting
Pre-production Data Model auto subscription	TBC	For any existing files with modified or new tables, if participants are subscribed, AEMO moves them to the Legacy version
Pre-production Data Model release	14 April 2026	Participant Data Model scripts released
Pre-production refresh	13 April 2026 – 17 April 2026	Refresh of the pre-production system with data refreshed from the production system. An outage of up to five days can occur to the pre-production environment during this period. Participant access is not restricted, however, AEMO do not guarantee the pre-production data content or system availability. During the refresh, access to other AEMO systems such as AWEFS, EMMS, OPDMS, and STTM may be intermittently affected

Milestone	Date	Description
Pre-production implementation	14 April 2026	AEMO implements components of the Release to pre-production for participant testing AEMO has full access to the system during this period Participant access is not restricted; however, the data content or system availability is not guaranteed
Pre-production available	14 April 2026	Testing period begins for participants
Participant Testing	14 April 2026 - 14 May 2026	Unstructured participant testing in the pre-production environment
Production implementation	14 May 2026	AEMO implements the release to production
Production Data Model auto subscription	TBC	For any existing files with modified or new tables, if participants are subscribed, AEMO moves them to the Legacy version
Production Data Model release	14 May 2026	Participant Data Model scripts released

3 Participant Impact

3.1 Electricity data model v5.7

Participants must upgrade to the latest version of Data Model 5.7 to receive the new and updated Data Model information in their Data Interchange environments.

3.2 Data population dates

Project	Total tables = 31	Data in pre-production	Data in production
Shortening the Settlement Cycle (SSC)	2	8 June 2026	9 August 2026
STPASA Replacement Project	21	1 May 2026 (TBC)	31 August 2026
Improving Security Frameworks (ISF) - release 1.1	5	October 2026 (TBC)	November 2026 (TBC)
Project Energy Connect - Market Integration (PEC-MI)	1	TBC	TBC
ST PASA Procedure and Recall Period (Comment changes only)	2	N/A	N/A

3.3 FPP Table Updates

The Data Model v5.7 includes to the FPP package. There is no impact to the FPP NEM Report versions as we are not applying the usual Legacy report rollover process.

Changes include:

- The LastChanged field is added to all tables in FPP Package for Data Model 5.7.
- All FPP reports are updated to include this field with the versions remaining the same.
- LastChanged field reflects the current date on initial population.

To see the LastChanged field in your tables and reports, update your Data Model version to v5.7. If you don't require the LastChanged field you can remain on v5.6.

3.4 Data subscription

3.4.1 Auto-subscription

Existing participants are auto subscribed to any new files when they upgrade to the latest data model version. New file names to be advised.

3.4.2 Legacy files

On the **Release Dates**, AEMO moves participants subscribed to existing files to the Legacy version. After you have upgraded to v5.6, subscribe to the current files in **Data Subscription**. For help, see **Subscribe to Files**.

4 Electricity Data Model 5.7

Participant systems incorrectly configured and not compliant with the Baseline Assumptions in the Data Interchange Framework and Glossary may suffer data loss.

This Release contains an updated version of the Electricity Data Model 5.7. This section describes the affected packages, tables, files, reports, and interfaces.

4.1 Data model changes summary

4.2 Package: BILLING_CONFIG

Configuration data for the Billing Process

4.2.1 Modified table: 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.**
Visibility	Public
Data volume	Small
Trigger	Triggered when inserting billing weeks for a future contract year
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	CONTRACTYEAR, WEEKNO
Project	Shortening the Settlement Cycle

New columns

Field name	Data type	Primary key	Comment
REVISION0_STATEMENTDATE	DATE	No	Revision 0 Statement Date for the billing week.

4.3 Package: BILLING_RUN

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.

4.3.1 Modified table: 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.**
Visibility	Public
Data volume	Medium
Trigger	Triggered and populated by the posting of a billing run
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	BILLRUNNO, CONTRACTYEAR, WEEKNO

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.**
Project	Shortening the Settlement Cycle

New columns

Field name	Data type	Primary key	Comment
REVISIONINDEX	NUMBER(3,0)	No	Revision Run Type

4.4 Package: DISPATCH

Results from a published Dispatch Run

4.4.1 Modified table: NEGATIVE_RESIDUE

Comment	**Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon.**
Visibility	Public
Data volume	Medium
Trigger	With every Dispatch interval
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports

Comment	**Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon.**
Primary key (in order)	DIRECTIONAL_INTERCONNECTORID, NRM_DATETIME, SETTLEMENTDATE
Project	Project Energy Connect - Market Integration (PEC-MI)

New columns

Field name	Data type	Primary key	Comment
NRM_LOOP_FLAG	NUMBER(1,0)	No	NRM Loop Flag controls monitoring behaviour: 0 = Individual NRM monitoring suppressed (loop operational with aggregate IRSR >= 0) 1 = Individual NRM monitoring active (applies to: loop not operational, aggregate loop IRSR < 0, or non-loop interconnection) This flag is evaluated and set for ALL interconnections in each dispatch interval

4.5 Package: GENERIC_CONSTRAINT

4.5.1 Modified table: GENCONDATA

Comment	**GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, Predispatch and Dispatch. Fields enable selective application of invoked constraints in the Dispatch, Predispatch, ST PASA or MT PASA processes.** .
Visibility	Public
Data volume	Medium
Trigger	On Change by AEMO

Comment	**GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, Predispatch and Dispatch. Fields enable selective application of invoked constraints in the Dispatch, Predispatch, ST PASA or MT PASA processes.** .
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	EFFECTIVEDATE, GENCONID, VERSIONNO
Project	Improving Security Frameworks

New columns

Field name	Data type	Primary key	Comment
SYSTEMSECURITY	VARCHAR2(1)	No	Flags constraint is used in System Security Management (SSM) processes. 1-Used(in SSM only),0-not used
SSM_REGIONID	VARCHAR2(20)	No	Region constraint relates to, in the format <REGIONID>_xxxx where xxxx is descriptive text
SSM_GROUPID	VARCHAR2(40)	No	Related constraints processed together in optimiser.

4.5.2 New table: PASA_CONTINGENCY_DEFINITION

Comment	**PASA_CONTINGENCY_DEFINITION shows the contingency details used by PD and ST PASA.**
Visibility	Public
Data volume	Medium

Comment	PASA_CONTINGENCY_DEFINITION shows the contingency details used by PD and ST PASA.
Trigger	On Change
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	CONTINGENCYID, EFFECTIVEDATE, VERSIONNO
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
CONTINGENCYID	VARCHAR2(20)	Yes	The contingency identifier
EFFECTIVEDATE	DATE	Yes	The effective date for this contingency
VERSIONNO	NUMBER(3,0)	Yes	Version number for the Effective date
CONTINGENCYDESCRIPTION	VARCHAR2(100)	No	The description for this contingency
LASTCHANGED	DATE	No	Date time this record was created

4.6 Package: PARTICIPANT_REGISTRATION

4.6.1 New table: PASA_INTERZONAL_MAPPING

Comment	PASA_INTERZONAL_MAPPING shows inter-zonal mapping details, including operating status.
Visibility	Public
Data volume	Small
Trigger	On change
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	INTERZONALCONNECTORID, EFFECTIVEDATE, VERSIONNO
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
INTERZONALCONNECTORID	VARCHAR2(50)	Yes	The identifier for this Interzonal connector
EFFECTIVEDATE	DATE	Yes	Effective date of this InterZonal Mapping
VERSIONNO	NUMBER(3,0)	Yes	Version number for the Effective date
FROMZONEID	VARCHAR2(30)	No	The From ZoneId for this Interzonal connector

Field name	Data type	Primary key	Comment
TOZONEID	VARCHAR2(30)	No	The To ZoneId for this Interzonal connector
OPERATINGSTATUS	VARCHAR2(20)	No	Active or inactive indicator
LASTCHANGED	DATE	No	Date time this record was created

4.6.2 New table: PASA_ZONE_REGION_MAPPING

Comment	PASA_ZONE_REGION_MAPPING shows zone to region mapping details and provide the Region Reference Zone information.
Visibility	Public
Data volume	Small
Trigger	On Change
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	ZONEID, EFFECTIVEDATE, VERSIONNO
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
ZONEID	VARCHAR2(30)	Yes	Zone identifier

Field name	Data type	Primary key	Comment
EFFECTIVEDATE	DATE	Yes	Effective date of this Zone-Region Mapping
VERSIONNO	NUMBER(3,0)	Yes	Version number for the Effective date
REGIONID	VARCHAR2(20)	No	Region in which this Zone belongs
IS_RRN_ZONE	VARCHAR2(10)	No	YES or NO/<Blank>. LORCONDITION is only reported for supply deficits in a Zone that contains the Regional Reference Node
OPERATINGSTATUS	VARCHAR2(20)	No	Active or inactive indicator
LASTCHANGED	DATE	No	Date time this record was created

4.7 Package: PDPASA

4.7.1 Modified table: PDPASA_REGIONSOLUTION (comment changes only)

Comment	The PDPASA region solution data. Note that the OUTAGE_LRC Run Type is no longer reported from 31 July 2025.
Visibility	Public
Data volume	Medium
Trigger	PDPASA_REGIONSOLUTION is updated each PDPASA run (i.e. half-hourly).
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	INTERVAL_DATETIME, REGIONID, RUN_DATETIME, RUNTYPE

Comment	**The PDPASA region solution data. Note that the OUTAGE_LRC Run Type is no longer reported from 31 July 2025.**
Project	ST PASA Procedure and Recall Period

Modified columns

Comment changes only

Field name	Data type	Primary key	Comment
AGGREGATEPASAAVAILABILITY	NUMBER(12,0)	No	Sum of PASAAVAILABILITY for all scheduled generating units and scheduled bidirectional units (Gen side) with a Recall_Period <= 24 hours plus the sum of Unconstrained Intermittent Generation Forecasts (UIGF) for all semi-scheduled generating units. For the OUTAGE_LRC run, UIGF is the POE90 forecast. For the LOR Run, UIGF is the POE50 forecast. Note that the OUTAGE_LRC Run Type is discontinued from 31 July 2025. From March 2026, AGGREGATEPASAAVAILABILITY changes from that with Recall_Period <= 24 to that achievable by the relevant INTERVAL_DATETIME if recalled at the start of the run.

4.7.2 New table: PDPASA_FNM_CASESOLUTION

Comment	**PDPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.**
Visibility	Public
Data volume	Medium
Trigger	Every 30 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports

Comment	PDPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.
Primary key (in order)	RUN_DATETIME
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
LORCONDITION	NUMBER(1,0)	No	LORCONDITION is only set if supply deficit exists in a Zone that contains the Regional Reference Node. LORCONDITION indicates the most severe condition for the case: LORCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
DEFICITCONDITION	NUMBER(1,0)	No	DEFICITCONDITION is only set if supply deficit exists in a Zone that does NOT contain the Regional Reference Node. DEFICITCONDITION indicates the most severe condition for the case: DEFICITCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
BASE_RUN_AVAILABLE	VARCHAR2(10)	No	YES = Available, NO = Not Available
RELIABILITY_RUN_AVAILABLE	VARCHAR2(10)	No	YES = Available, NO = Not Available
WARNING_RUN_AVAILABLE	VARCHAR2(10)	No	YES = Available, NO = Not Available
PASAVERSION	VARCHAR2(30)	No	Version of the PASA solver used to solve this case
LASTCHANGED	DATE	No	Date time this record was created

4.7.3 New table: PDPASA_FNM_CONSTRAINTSOLUTION

Comment	PDPASA_FNM_CONSTRAINTSOLUTION shows manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.
Visibility	Public
Data volume	Large
Trigger	Every 30 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, CONSTRAINTID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
CONSTRAINTID	VARCHAR2(100)	Yes	Constraint identifier, either manual constraint (synonymous with GenConID) or thermal constraint created by PASA with format 'BASE_<BranchName>' or '<ContingencyID>_<BranchName>'
MARGINALVALUE	NUMBER(20,5)	No	Constraint Marginal Value ($/MW)

Field name	Data type	Primary key	Comment
VIOLATIONDEGREE	NUMBER(15,5)	No	Constraint Violation Degree (MW)
LHS	NUMBER(15,5)	No	Constraint LHS (MW)
RHS	NUMBER(15,5)	No	Constraint RHS (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.7.4 New table: PDPASA_FNM_DUIDAVAILABILITY

Comment	PDPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and Recall Period for all scheduled resources
Visibility	Public
Data volume	Large
Trigger	Every 30 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, INTERVAL_DATETIME, DUID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
DUID	VARCHAR2(20)	Yes	NEM Dispatchable Unit Identifier
BID_TRADINGDATE	DATE	No	Trading Date of the energy bid
BID_OFFERDATETIME	DATE	No	Date Time that the energy bid was received
GENERATION_MAX_AVAILABILITY	NUMBER (12,3)	No	Available Capacity for a scheduled generating unit, semi-scheduled generating unit, BDU (Gen side), WDR or MNSP (MW)
GENERATION_PASA_AVAILABILITY	NUMBER (12,3)	No	PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (MW)
GENERATION_RECALL_PERIOD	NUMBER (8,3)	No	Recall Period associated with the PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (Hours)
LOAD_MAX_AVAILABILITY	NUMBER (12,3)	No	Available Capacity for a scheduled load or BDU (Load side) (MW)
LOAD_PASA_AVAILABILITY	NUMBER (12,3)	No	PASA Availability for a scheduled load or BDU (Load side) (MW)
LOAD_RECALL_PERIOD	NUMBER (8,3)	No	Recall Period associated with the PASA Availability for a scheduled load or BDU (Load side) (Hours)
LASTCHANGED	DATE	No	Date time this record was created

4.7.5 New table: PDPASA_FNM_INTERCONNECTORSOLN

Comment	PDPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.
Visibility	Public
Data volume	Medium
Trigger	Every 30 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, INTERCONNECTORID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
INTERCONNECTORID	VARCHAR2(10)	Yes	Interconnector Identifier
CLEAREDFLOW	NUMBER(12,2)	No	Cleared Interconnector flow (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.7.6 New table: PDPASA_FNM_INTERZONALSOLUTION

Comment	PDPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.
Visibility	Public
Data volume	Medium
Trigger	Every 30 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, INTERZONALCONNECTORID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
INTERZONALCONNECTORID	VARCHAR2(50)	Yes	InterzonalConnector Identifier
FROMZONEID	VARCHAR2(30)	No	FromZoneID of the InterZonalConnectorID
TOZONEID	VARCHAR2(30)	No	ToZoneID of the InterZonalConnectorID

Field name	Data type	Primary key	Comment
CLEAREDFLOW	NUMBER(12,2)	No	Cleared Interzonal flow (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.7.7 New table: PDPASA_FNM_REGIONSOLUTION

Comment	**PDPASA_FNM_REGIONSOLUTION shows region demand, cleared values of resources, spare capacity, losses for each run type and intervals.**
Visibility	Public
Data volume	Medium
Trigger	Every 30 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, REGIONID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)

Field name	Data type	Primary key	Comment
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
REGIONID	VARCHAR2(20)	Yes	Region Identifier
LORCONDITION	NUMBER(1,0)	No	Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)	No	Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)	No	Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)	No	Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)	No	Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)	No	Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)

Field name	Data type	Primary key	Comment
BDU_CLEARED	NUMBER(12,2)	No	Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)	No	Spare Generation Capacity = max(0, Available Generation minus [Cleared Generation minus Cleared Net Interchange]) (MW)
CLEAREDSUPPLY	NUMBER(12,2)	No	Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)	No	Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)	No	Cleared Net Export (positive) or Net Import (negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)	No	Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)	No	Supply Deficit (MW) across at all loads in the Region = Max(0, Initial Demand minus Cleared Demand) where Cleared Demand = (Cleared Generation minus Cleared Losses minus Cleared Net Interchange). Supply Deficit = Supply Deficit_RRN + Supply Deficit_NonRRN
SUPPLYDEFICIT_RRN	NUMBER(12,2)	No	Supply Deficit across all loads in the Zone that contains the Regional Reference Node (MW)
SUPPLYDEFICIT_NONRRN	NUMBER(12,2)	No	Supply Deficit across all loads in the Zone(s) that do not contain the Regional Reference Node (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.7.8 New table: PDPASA_FNM_REGIONSUMMARY

Comment	PDPASA_FNM_REGIONSUMMARY shows the summary of PDPASA outcome for each region.
Visibility	Public
Data volume	Medium
Trigger	Every 30 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, INTERVAL_DATETIME, REGIONID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
REGIONID	VARCHAR2(20)	Yes	Region identifier
LORCONDITION	NUMBER(1,0)	No	Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else LORCONDITION = 1 if deficit in WARNING run

Field name	Data type	Primary key	Comment
DEFICITCONDITION	NUMBER(1,0)	No	Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)	No	50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHED_GEN	NUMBER(12,2)	No	50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHED_GEN_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)	No	Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.7.9 New table: PDPASA_FNM_ZONESOLUTION

Comment	PDPASA_FNM_ZONESOLUTION shows zone demand, cleared values of resources, spare capacity, losses for each run type and intervals.
Visibility	Public
Data volume	Medium
Trigger	Every 30 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, ZONEID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
ZONEID	VARCHAR2(30)	Yes	Zone identifier
REGIONID	VARCHAR2(20)	No	Region identifier of the Region containing this Zone

Field name	Data type	Primary key	Comment
LORCONDITION	NUMBER(1,0)	No	Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)	No	Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit exists and this Zone does not contain the Regional Reference Node DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)	No	Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment (increase) to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment (decrease) to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment (decrease) to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)	No	Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)	No	Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)	No	Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)	No	Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled generating units (MW)

Field name	Data type	Primary key	Comment
SS_SOLAR_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)	No	Spare generation capacity = max(0, Available Generation minus [Cleared Generation minus Cleared Net Interchange]) (MW)
CLEAREDSUPPLY	NUMBER(12,2)	No	Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)	No	Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)	No	Cleared Net Export (positive) or Net Import (negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)	No	Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)	No	Supply Deficit at loads = Max(0, Initial Demand minus Cleared Demand) where Cleared Demand = (Cleared Generation minus Cleared Losses minus Cleared Net Interchange) (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.7.10 New table: PDPASA_FNM_ZONESUMMARY

Comment	PDPASA_FNM_ZONESUMMARY shows the summary of PDPASA outcome for each zone.
Visibility	Public
Data volume	Medium
Trigger	Every 30 minutes

Comment	PDPASA_FNM_ZONESUMMARY shows the summary of PDPASA outcome for each zone.
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, INTERVAL_DATETIME, ZONEID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
ZONEID	VARCHAR2(30)	Yes	Zone identifier
REGIONID	VARCHAR2(20)	No	Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)	No	Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)	No	Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain the Regional Reference Node. DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run

Field name	Data type	Primary key	Comment
DEMAND50	NUMBER(12,2)	No	50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHED_GEN	NUMBER(12,2)	No	50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHED_GEN_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)	No	Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.8 Package: SETTLEMENT_DATA

Results from a published Settlements Run. The settlement data and billing run data are updated daily between 6 am and 8 am 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

4.8.1 Modified table: SET_NMAS_RECOVERY

Comment	**SET_NMAS_RECOVERY sets out the NSCAS recovery data for payments other than testing This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.**
Visibility	Private
Data volume	Medium
Trigger	Settlement Run
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReport
Primary key (in order)	SETTLEMENTDATE, VERSIONNO, PERIODID, PARTICIPANTID, SERVICE, CONTRACTID, PAYMENTTYPE, REGIONID
Project	Improving Security Frameworks

Modified Column

Field name	Data type	Primary key	Comment
SERVICE	VARCHAR2(20)	No	The type of NSCAS service incl ISF Services. Current value values are: REACTIVE LOADSHED RESTART INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2
CONTRACTID	VARCHAR2(20)	No	The NMAS/ISF Contract Id

4.8.2 Modified table: SET_NMAS_RECOVERY_RBF

Comment	**SET_NMAS_RECOVERY_RBF publishes the RBF for NSCAS non testing payments on a half hourly basis. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.**
Visibility	Public
Data volume	Medium
Trigger	Settlement Run
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReport
Primary key (in order)	SETTLEMENTDATE, VERSIONNO, PERIODID, SERVICE, CONTRACTID, PAYMENTTYPE, REGIONID
Project	Improving Security Frameworks

Modified Column

Field name	Data type	Primary key	Comment
SERVICE	VARCHAR2(20)	No	The type of NSCAS service incl ISF Services. Current value values are: REACTIVE LOADSHED RESTART INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2
CONTRACTID	VARCHAR2(20)	No	The NMAS/ISF Contract Id

4.9 Package: STPASA_SOLUTION

4.9.1 New table: STPASA_FNM_CASESOLUTION

Comment	STPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.
Visibility	Public
Data volume	Medium
Trigger	Every 60 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
LORCONDITION	NUMBER(1,0)	No	LORCONDITION is only set if supply deficit exists in a Zone that contains the Regional Reference Node LORCONDITION indicates the most severe condition for the case: LORCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0

Field name	Data type	Primary key	Comment
DEFICITCONDITION	NUMBER(1,0)	No	DEFICITCONDITION is only set if supply deficit exists in a Zone that does NOT contain the Regional Reference Node DEFICITCONDITION indicates the most severe condition for the case: DEFICITCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
BASE_RUN_AVAILABLE	VARCHAR2(10)	No	YES = Available, NO = Not Available
RELIABILITY_RUN_AVAILABLE	VARCHAR2(10)	No	YES = Available, NO = Not Available
WARNING_RUN_AVAILABLE	VARCHAR2(10)	No	YES = Available, NO = Not Available
PASAVERSION	VARCHAR2(30)	No	Version of the PASA solver used to solve this case
LASTCHANGED	DATE	No	Date time this record was created

4.9.2 New table: STPASA_FNM_CONSTRAINTSOLUTION

Comment	**STPASA_FNM_CONSTRAINTSOLUTION shows the manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.**
Visibility	Public
Data volume	Large
Trigger	Every 60 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, CONSTRAINTID

Comment	STPASA_FNM_CONSTRAINTSOLUTION shows the manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
CONSTRAINTID	VARCHAR2(100)	Yes	Constraint identifier, either manual constraint (synonymous with GenConID) or thermal constraint created by PASA with format 'BASE_<BranchName>' or '<ContingencyID>_<BranchName>'
MARGINALVALUE	NUMBER(20,5)	No	Constraint Marginal Value ($/MW)
VIOLATIONDEGREE	NUMBER(15,5)	No	Constraint Violation Degree (MW)
LHS	NUMBER(15,5)	No	Constraint LHS (MW)
RHS	NUMBER(15,5)	No	Constraint RHS (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.9.3 New table: STPASA_FNM_DUIDAVAILABILITY

Comment	STPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and given Recall Period for all scheduled
Visibility	Public
Data volume	Large
Trigger	Every 60 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, INTERVAL_DATETIME, DUID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
DUID	VARCHAR2(20)	Yes	NEM Dispatchable Unit Identifier
BID_TRADINGDATE	DATE	No	Trading Date of the energy bid
BID_OFFERDATETIME	DATE	No	Date Time that the energy bid was received
GENERATION_MAX_AVAILABILITY	NUMBER (12,3)	No	Available Capacity for a scheduled generating unit, semi-scheduled generating unit, BDU (Gen side), WDR or MNSP

Field name	Data type	Primary key	Comment
GENERATION_PASA_AVAILABILITY	NUMBER (12,3)	No	PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (MW)
GENERATION_RECALL_PERIOD	NUMBER (8,3)	No	Recall Period associated with the PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (Hours)
LOAD_MAX_AVAILABILITY	NUMBER (12,3)	No	Available Capacity for a scheduled load or BDU (Load side) (MW)
LOAD_PASA_AVAILABILITY	NUMBER (12,3)	No	PASA Availability for a scheduled load or BDU (Load side) (MW)
LOAD_RECALL_PERIOD	NUMBER (8,3)	No	Recall Period associated with the PASA Availability for a scheduled load or BDU (Load side) (Hours)
LASTCHANGED	DATE	No	Date time this record was created

4.9.4 New table: STPASA_FNM_INTERCONNECTORSOLN

Comment	STPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.
Visibility	Public
Data volume	Medium
Trigger	Every 60 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, INTERCONNECTORID

Comment	STPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
INTERCONNECTORID	VARCHAR2(10)	Yes	Interconnector Identifier
CLEAREDFLOW	NUMBER(12,2)	No	Cleared Interconnector flow (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.9.5 New table: STPASA_FNM_INTERZONALSOLUTION

Comment	STPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.
Visibility	Public
Data volume	Medium
Trigger	Every 60 minutes

Comment	STPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, INTERZONALCONNECTORID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
INTERZONALCONNECTORID	VARCHAR2(50)	Yes	InterzonalConnector Identifier
FROMZONEID	VARCHAR2(30)	No	FromZoneID of the InterZonalConnectorID
TOZONEID	VARCHAR2(30)	No	ToZoneID of the InterZonalConnectorID
CLEAREDFLOW	NUMBER(12,2)	No	Cleared Interzonal flow (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.9.6 New table: STPASA_FNM_REGIONSOLUTION

Comment	STPASA_FNM_REGIONSOLUTION shows regional demand, cleared values of resources, spare capacity, losses for each run type and intervals.
Visibility	Public
Data volume	Medium
Trigger	Every 60 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, REGIONID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
REGIONID	VARCHAR2(20)	Yes	Region Identifier

Field name	Data type	Primary key	Comment
LORCONDITION	NUMBER(1,0)	No	Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)	No	Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)	No	Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)	No	Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)	No	Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)	No	Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)	No	Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled generating units (MW)

Field name	Data type	Primary key	Comment
SS_SOLAR_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)	No	Spare Generation Capacity = max(0, Available Generation minus [Cleared Generation minus Cleared Net Interchange]) (MW)
CLEAREDSUPPLY	NUMBER(12,2)	No	Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)	No	Cleared Grid Losses (MW)
CLEAREDDEMAND	NUMBER(12,2)	No	Cleared Demand (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)	No	Cleared Net Export (positive) or Net Import (negative) (MW)
SUPPLYDEFICIT	NUMBER(12,2)	No	Supply Deficit (MW) across at all loads in the Region = Max(0, Initial Demand minus Cleared Demand) where Cleared Demand = (Cleared Generation minus Cleared Losses minus Cleared Net Interchange). Supply Deficit = Supply Deficit_RRN + Supply Deficit_NonRRN
SUPPLYDEFICIT_RRN	NUMBER(12,2)	No	Supply Deficit across all loads in the Zone that contains the Regional Reference Node (MW)
SUPPLYDEFICIT_NONRRN	NUMBER(12,2)	No	Supply Deficit across all loads in the Zone(s) that do not contain the Regional Reference Node (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.9.7 New table: STPASA_FNM_REGIONSUMMARY

Comment	**STPASA_FNM_REGIONSUMMARY shows the summary of STPASA outcome for each region.**
Visibility	Public

Comment	STPASA_FNM_REGIONSUMMARY shows the summary of STPASA outcome for each region.
Data volume	Medium
Trigger	Every 60 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, INTERVAL_DATETIME, REGIONID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
REGIONID	VARCHAR2(20)	Yes	Region identifier
LORCONDITION	NUMBER(1,0)	No	Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else LORCONDITION = 1 if deficit in WARNING run

Field name	Data type	Primary key	Comment
DEFICITCONDITION	NUMBER(1,0)	No	Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node. DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)	No	50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHED_GEN	NUMBER(12,2)	No	50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHED_GEN_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)	No	Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.9.8 New table: STPASA_FNM_ZONESOLUTION

Comment	STPASA_FNM_ZONESOLUTION shows zone demand, cleared value of resources, spare capacity, losses for each run type and interval.
Visibility	Public
Data volume	Medium
Trigger	Every 60 minutes
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, RUNTYPE, INTERVAL_DATETIME, ZONEID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	Yes	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
ZONEID	VARCHAR2(30)	Yes	Zone identifier
REGIONID	VARCHAR2(20)	No	Region identifier of the Region containing this Zone

Field name	Data type	Primary key	Comment
LORCONDITION	NUMBER(1,0)	No	Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)	No	Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit exists and this Zone does not contain the Regional Reference Node. DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)	No	Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment (increase) to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment (decrease) to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)	No	Aggregate Uncertainty Margin adjustment (decrease) to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)	No	Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)	No	Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)	No	Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)	No	Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled generating units (MW)

Field name	Data type	Primary key	Comment
SS_SOLAR_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)	No	Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)	No	Spare generation capacity = max(0, Available Generation minus [Cleared Generation minus Cleared Net Interchange]) (MW)
CLEAREDSUPPLY	NUMBER(12,2)	No	Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)	No	Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)	No	Cleared Net Export (positive) or Net Import (negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)	No	Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)	No	Supply Deficit at loads = Max(0, Initial Demand minus Cleared Demand) where Cleared Demand = (Cleared Generation minus Cleared Losses minus Cleared Net Interchange) (MW)
LASTCHANGED	DATE	No	Date time this record was created

4.9.9 New table: STPASA_FNM_ZONESUMMARY

Comment	STPASA_FNM_ZONESUMMARY shows the summary of STPASA outcome for each zone.
Visibility	Public
Data volume	Medium
Trigger	Every 60 minutes

Comment	STPASA_FNM_ZONESUMMARY shows the summary of STPASA outcome for each zone.
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	RUN_DATETIME, INTERVAL_DATETIME, ZONEID
Project	STPASA Replacement project

New columns

Field name	Data type	Primary key	Comment
RUN_DATETIME	DATE	Yes	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	Yes	End date time of the interval
ZONEID	VARCHAR2(30)	Yes	Zone identifier
REGIONID	VARCHAR2(20)	No	Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)	No	Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else LORCONDITION = 1 if deficit in WARNING run

Field name	Data type	Primary key	Comment
DEFICITCONDITION	NUMBER(1,0)	No	Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain the Regional Reference Node DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)	No	50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHED_GEN	NUMBER(12,2)	No	50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHED_GEN_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)	No	Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)	No	Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)	No	Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE	No	ate time this record was created

4.9.10 Modified table: STPASA_REGIONSOLUTION (comment changes only)

Comment	**STPASA_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study. Note that the RELIABILITY_LRC and OUTAGE_LRC Run Types are no longer reported from 31 July 2025.**
Visibility	Public
Data volume	Medium
Trigger	Start of each STPASA run (every hour).
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	INTERVAL_DATETIME, REGIONID, RUN_DATETIME, RUNTYPE
Project	ST PASA Procedure and Recall Period

Modified columns

Comment changes only

Field name	Data type	Primary key	Comment
AGGREGATEPASAAVAILABILITY	NUMBER(12,0)	No	Sum of PASAAVAILABILITY for all scheduled generating units and scheduled bidirectional units (Gen side) with a Recall_Period <= 24 hours plus the sum of Unconstrained Intermittent Generation Forecasts (UIGF) for all semi-scheduled generating units. For the RELIABILITY_LRC and OUTAGE_LRC runs, UIGF is the POE90 forecast. For the LOR Run, UIGF is the POE50 forecast. Note that the RELIABILITY_LRC and OUTAGE_LRC Run Types are discontinued from 31 July 2025. From March 2026, AGGREGATEPASAAVAILABILITY changes from that with Recall_Period <= 24 to that achievable by the relevant INTERVAL_DATETIME if recalled at the start of the run.

4.10 Package: SYSTEM_SECURITY_MANAGEMENT

4.10.1 New table: SSM_INDICATIVE_ROLL_DUID

Comment	Indicative rolling DUID schedule provides notice of system security status to service providers/TNSP. The intent is to provide forewarning of possible enablement instruction that may be required
Visibility	Private
Data volume	Medium
Trigger	SSM Post Processing completion (currently every 30 minutes)
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports
Primary key (in order)	VERSION_DATETIME, INTERVAL_DATETIME, DUID, CONTRACT_ID
Project	Improving Security Frameworks

New columns

Field name	Data type	Primary key	Comment
VERSION_DATETIME	DATE	YES	Version date time
INTERVAL_DATETIME	DATE	YES	Interval date time

Field name	Data type	Primary key	Comment
DUID	VARCHAR2(20)	YES	Dispatchable Unit Identifier
CONTRACT_ID	VARCHAR2(20)	YES	Unique Contract Identifier used to create enablement.
DUID_PARTICIPANTID	VARCHAR2(20)	NO	Primary recipient (SSM Service Provider) of enablement instruction.
INSTRUCTION_ID	VARCHAR2(20)	NO	Unique Instruction Identifier. Null where not applicable.
DUID_STATUS	VARCHAR2(40)	NO	Scheduled pending, Scheduled approved, Instruction issued, Fulfilment, Available, Offline, Online, Outage
MIN_DISPATCH_MW	NUMBER(18,8)	NO	Minimum Dispatch Target required for DUID to enable the contract.
EQUIPMENT_TYPE	VARCHAR2(40)	NO	Dispatchable Unit resource (for example, GENERATOR, LOAD, BIDIRECTIONAL, SYNCHRONOUS CONDENSER).
LASTCHANGED	DATE	NO	Last changed date

4.10.2 New table: SSM_INDICATIVE_ROLL_REGION

Comment	Indicative rolling Region schedule provides notice of system security status to service providers/TNSP. The intent is to provide the security strength status of a region
Visibility	Public
Data volume	Medium
Trigger	SSM Post Processing completion (currently every 30 minutes)
Participant file share location	<#INTRFACE>\<#PARTICIPANTID>\IMPORT\REPORTS\CSVReports

Comment	**Indicative rolling Region schedule provides notice of system security status to service providers/TNSP. The intent is to provide the security strength status of a region**
Primary key (in order)	VERSION_DATETIME, INTERVAL_DATETIME, REGIONID
Project	Improving Security Frameworks

New columns

Field name	Data type	Primary key	Comment
VERSION_DATETIME	DATE	YES	Version date time
INTERVAL_DATETIME	DATE	YES	Interval date time
REGIONID	VARCHAR2(20)	YES	Region
REGION_STATUS	VARCHAR2(40)	NO	Secure, Resolved, Not Secure
DUID_COUNT_FIRM	NUMBER(4,0)	NO	Sum of firm units enabled for the region with confirmed enablement instruction(s) sent
DUID_COUNT_SPECULATIVE	NUMBER(4,0)	NO	Sum of proposed units enabled for the region where enablement instruction(s) not sent
LASTCHANGED	DATE	NO	Last changed date

4.11 File interface changes

Package	File ID	Description	Batcher file masks	Frequency	Change	Auto-subscription
BILLING_CONFIG	BILLINGCALENDAR				Modified	No

Package	File ID	Description	Batcher file masks	Frequency	Change	Auto-subscription
BILLING_RUN	BILLING				Modified	No
	BILLING_INIT				Modified	No
DISPATCH	DISPATCH_NEGATIVE_RESIDUE				Modified	No
GENERIC_CONSTRAINT	PASA_CONTINGENCY			on change	New	Yes
SYSTEM_SECURITY_MANAGEMENT	SSM_FORECAST				New	Yes
STPASA_SOLUTION	STPASA_FNM			Hourly	New	Yes
PARTICIPANT_REGISTRATION	PASA_ZONE_REGION			on change	New	Yes
	PASA_INTERZONAL			on change	New	Yes
PDPASA	PDPASA_FNM			30 minutes	New	Yes

4.12 Participant interfaces changes

Package	Data model table	File ID	CSV report type	Change
BILLING_CONFIG	BILLINGCALENDAR	BILLINGCALENDAR	BILLING_CONFIG,BILLINGCALENDAR,3	Modified
BILLING_RUN	BILLINGRUNTRK	BILLING	BILLING,RUNTRK,6	Modified
	BILLINGRUNTRK	BILLING_INIT	BILLING,RUNTRK,6	Modified
DISPATCH	NEGATIVE_RESIDUE	DISPATCH_NEGATIVE_RESIDUE		Modified

Package	Data model table	File ID	CSV report type	Change
SYSTEM_SECURITY_MANAGEMENT	SSM_INDICATIVE_ROLL_DUID	SSM_FORECAST		New
	SSM_INDICATIVE_ROLL_REGION	SSM_FORECAST		New
STPASA_SOLUTION	STPASA_FNM_CASESOLUTION	STPASA_FNM		New
	STPASA_FNM_CONSTRAINTSOLUTION	STPASA_FNM		New
	STPASA_FNM_DUIDAVAILABILITY	STPASA_FNM		New
	STPASA_FNM_INTERCONNECTORSOLN	STPASA_FNM		New
	STPASA_FNM_INTERZONALSOLUTION	STPASA_FNM		New
	STPASA_FNM_REGIONSOLUTION	STPASA_FNM		New
	STPASA_FNM_REGIONSUMMARY	STPASA_FNM		New
	STPASA_FNM_ZONESOLUTION	STPASA_FNM		New
	STPASA_FNM_ZONESUMMARY	STPASA_FNM		New
PDPASA	PDPASA_FNM_CASESOLUTION	PDPASA_FNM		New
	PDPASA_FNM_CONSTRAINTSOLUTION	PDPASA_FNM		New
	PDPASA_FNM_DUIDAVAILABILITY	PDPASA_FNM		New
	PDPASA_FNM_INTERCONNECTORSOLN	PDPASA_FNM		New
	PDPASA_FNM_INTERZONALSOLUTION	PDPASA_FNM		New
	PDPASA_FNM_REGIONSOLUTION	PDPASA_FNM		New

Package	Data model table	File ID	CSV report type	Change
	PDPASA_FNM_REGIONSUMMARY	PDPASA_FNM		New
	PDPASA_FNM_ZONESOLUTION	PDPASA_FNM		New
	PDPASA_FNM_ZONESUMMARY	PDPASA_FNM		New
PARTICIPANT_REGISTRATION	PASA_ZONE_REGION_MAPPING	PASA_ZONE_REGION		New
	PASA_INTERZONAL_MAPPING	PASA_INTERZONAL		New
GENERIC_CONSTRAINT	GENCONDATA	GENCONDATA_TRG	GENCONDATA,7	Modified
	PASA_CONTINGENCY_DEFINITION	PASA_CONTINGENCY		New

4.13 Discontinued reports

Data model table	File ID	Delivered in file	CSV report type	Replaced by
In alphabetical order		*_FILEID_LEGACY*.CSV	BILLING,BILLINGCPDATA,7	BILLING,BILLINGCPDATA,8

5 Reports

No updates to non-data model reports.

6 FAQs

Updates will be made after the FAQs from the April MSUG are available.

7 Implementation

7.1 Transition

See Participant Impact.

7.2 Upgrading

You can upgrade your pre-production or production Data Model environments once you receive the Data Model scripts. Applying the scripts sets up the new Data Model structure on your local database. You receive the same data until the new versions of fields, files, and reports are released into pre-production or production and you update your subscriptions.

For help, see:

- **Upgrading your DI environments**
- **Updating your subscriptions**:

7.3 Implications

To maintain systems in-line with AEMO's market systems, participants need to:

- Review and assess the impact on their market systems with respect to the changes implemented as part of this Release.
- Change their systems prior to the implementation of this Release.
- Schedule staff and resources to upgrade their market systems for the production implementation of this Release.

7.4 Risks

See Participant Impact.

8 Terms

8.1 Rules Terms

You can find the following terms defined in the **National Electricity Rules (NER)** and the **Settlements Residue Auction Rules**.

Term
AEMO
AEMO Clearing Account
AEMO Markets Portal
AEMO Website
Allocated Units
APA
Auction
Auction Participant
Auction Rules
Average cancellation price
Average purchase price
Bid File
Cancelled Units
Cancelled volume
Cash Security
Confidential Information
Directional interconnector
Linked Bid
Market Clearing Price

Term
Market Participants
Maximum Units
NEM
Notional Interconnector
Offer Database
Offer File
Offer Period
Offer Submission
Offered Units
Offers
Product
Prudential Approved Participant
Prudential Exposure
Region
Regional reference prices
Registered Participant
Relevant Quarter
Settlement residue auction
Settlement residue committee

Term
Settlement residue distribution agreement
SRDA Units
Trading Limit
Trading Margin
Trading Position
Unit Category
Units

8.2 Glossary

You can find a full list of AEMO glossary terms in **Industry Terminology** on AEMO's website.

Abbreviation/Term	Explanation
AEST	Australian Eastern Standard Time
B2B	Business-to-business
B2M	Business-to-market
EMMS	Electricity Market Management System; software, hardware, network and related processes to implement the wholesale energy market
FCAS	frequency control ancillary services
FTP	File transfer protocol
MSATS	Market Settlement and Transfer Solution for retail electricity
NER	National Electricity Rules
MW	Megawatt
Release	EMMS - Technical Specification – Data Model v5.7 - May 2026
Release Dates	Pre-production: 14 April 2026 Production: 14 May 2026
TBC	To be confirmed

9 References

Guide to AEMO's e-Hub APIs: Provides details about using AEMO's e-Hub as an interface to communicate information with AEMO. It assists Wholesale electricity and gas participants developing their own APIs.

Guide to Information Systems: Provides guidance for *Registered Participants* and interested parties about AEMO's participant electricity market systems.

Guide to User Rights Management: Assists participant administrators (PAs) to use the user rights management functions in the MSATS Web Portal.

Retail Electricity Market Glossary and Framework: assist participants of the Retail Electricity Market to understand the overall framework. It also contains a list of terms used in the Retail Electricity Market Procedures and a full list of NEM procedures, guidelines, and documents.

9.1 Data interchange and data model resources

9.1.1 About

Information about setting up a Data Interchange environment: Data Interchange Help > **About Data Interchange**.

9.1.2 Help

- **Data interchange online help**

9.1.3 Software

You can find Data Interchange software in the following locations:

- Data Interchange Help > **Software Releases**.
- Releases directory on the participant file share: FTP to 146.178.211.2 > Data Interchange, pdrBatcher, pdrLoader, or pdrMonitor.

9.1.4 Reports

- Data Interchange Help > **Data Model Reports**.

9.1.5 Releases

- Data Interchange Help > **Release Documents**.

10 Index