

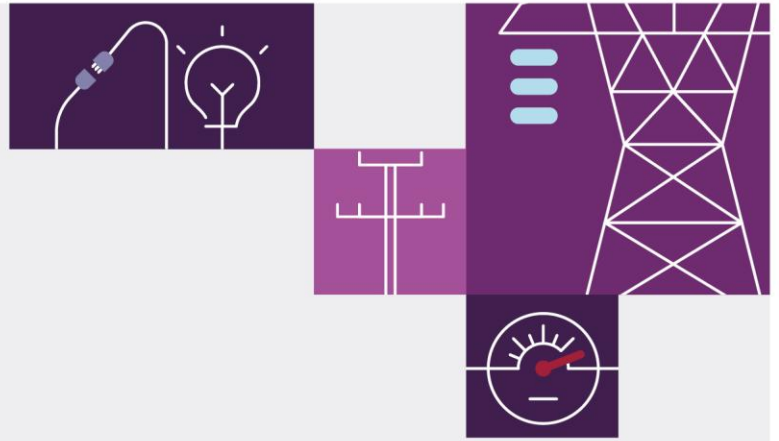
EMMS - System Security Management Scheduler – October 2026

0.01 April 2026

Pre-production: 30 September 2026

Production: 28 October 2026





Important notice

Purpose & audience

This document describes the technical changes required to participant's systems for the EMMS - System Security Management Scheduler – October 2026 (Release). 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.

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Version History

0.01 Initial creation

Documents made obsolete

The release of this document changes only the version of EMMS - System Security Management Scheduler – October 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).



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1 Introduction

1.1 Audience

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


The primary audience are:

- Procurers: AEMO or Transmission Network Service Providers (TNSPs) procuring contracts from the system security service provider.
- Providers: are parties entering into system security contracts with Procurers. Initially, AEMO anticipates providers to be Market Generators (Scheduled and Semi-Scheduled) and Integrated Resource Providers with Battery Energy Storage Systems (BESS).

1.2 Objective

The EMMS - System Security Management Scheduler – October 2026 (Release 1.1) describes the projects planned by AEMO from a participant perspective and includes any system related changes for participants.

1.3 Status

Version	Status
0.01	 <p>Initial Draft for review. The design is not ready for participants' builds</p> <p>Presents the EMMS - System Security Management Scheduler – October 2026 evolving design.</p> <p>Please send feedback to Contact Us. In the Details of your enquiry section, mention the EAS Knowledge Management team as the Resolver group.</p>

1.4 Release dates

The updates to the System Security Scheduler are implemented as a part of two separate releases:

Release A:

- Pre-production: 12 May 2026
- Production: 3 June 2026

Release B:

- Pre-production: 30 September 2026
- Production: 28 October 2026

1.5 Projects and enhancements

Changes and enhancements for this Release include:

Functionality	Change	Affected interface	Reference
Markets Portal	Enhancements to the enablement instructions and asset availability interfaces	System Security Scheduler	
Markets Portal	Adds new interfaces for DUID and Region schedule	System Security Scheduler	
Reports	New data model tables for SSM_INDICATIVE_ROLL_DUID and SSM_INDICATIVE_ROLL_REGION	Data Model tables, NEM reports	

1.6 Rule and procedure changes

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

For details, see Rules and procedure changes in [Rules and procedure changes - December 2025](#).

Adds a revision to the Security Enablement Procedure. For details, see [AEMO | Security Enablement Procedures Consultation](#).

1.7 Related technical specifications

Title	Description
DM 5.7 - May 2026	Includes updates to the SSM tables .

1.8 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 for the pre-production Release Date.

Title	Description	Status
Markets Portal Help	Updates the System Security Scheduler topic to include the new changes.	Not started
APIs	Updates the enablement instructions and variable parameters APIs for all changes introduced in the new release	Not started

1.9 Approval to change

No approval or agreement to change required from participant change controllers. Agreement was sought in the [AEMO | NEM Reform Program Forums](#).

1.10 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.

1.11 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.

1.12 Changes in this version

No changes, this is the initial version.

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	NA	Final date for participant approval of this Release
Revised Technical Specification	May 2026	<p>AEMO releases new versions of this document as the technical requirements are streamlined. During the project this document is the source of truth</p> <p>From the production release, the technical specification becomes final and the related documents become the source of truth</p> <p>Technical Specification Portal</p>
Next MSUG	16 April 2026	<p>Market Systems User Group Meeting (MSUG) to review the technical specification and ask AEMO technical SMEs questions</p> <p>This date is tentative. The Knowledge Management Team provides the invitation prior to the meeting</p>
Related Documents publication	30 September 2026	Release of guides and resources mentioned in Related on page 3
Pre-production Data Model auto subscription	14 April 2026 No auto-subscription for existing files	<p>For any existing files with modified or new tables, if participants are subscribed, AEMO moves them to the Legacy version</p> <p>For more details, see Data subscription on page 7</p>
Pre-production Data Model release	14 April 2026	Participant Data Model scripts released

Proposed Timeline

Milestone	Date	Description
Pre-production refresh	24 August 2026 - 28 August 2026 (TBC)	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
Pre-production implementation	28 September 2026 – 30 September 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	30 September 2026	Testing period begins for participants
Participant testing	30 September 2026 - 28 October 2026	Unstructured participant testing in the pre-production environment
Production implementation	26 October 2026 – 28 October 2026	AEMO implements the release to production
Production Data Model auto subscription	14 May 2026 No auto-subscription for existing files	For any existing files with modified or new tables, if participants are subscribed, AEMO moves them to the Legacy version For more details, see Data subscription on page 7
Production Data Model release	14 May 2026	Participant Data Model scripts released
Production systems available	28 October 2026	Production systems available to participants

3 Participant Impact

The document covers changes for the Improving Security Frameworks (ISF) project release 1.1. The release is implemented in phases, release A and release B.

Release A includes enhancements to the applications released in December 2025. For details, see Updates to the 2 December 2025 release

Release B includes new interfaces in Markets portal for Region and DUID schedule, updates to the Enablement instruction and asset availability screens, new data model tables for SSM_INDICATIVE_ROLL_DUID and SSM_INDICATIVE_ROLL_REGION.

3.1 EMMS data model v5.7

Participants wanting to receive the new SSM tables information in their [Data interchange](#) environments must upgrade to [EMMS Data Model v5.7](#).

3.2 Data subscription

3.2.1 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.

4 Project/Enhancement

4.1 Goal

The Improving Security Frameworks (ISF) project aims to improve the market arrangements for security services. The ISF project addresses system security challenges during the transition by reducing reliance on directions and providing better incentives for participants to invest in providing system security in the longer-term. It also increases transparency on system security needs and understanding, and how AEMO plans to manage system security as we transition to a secure net-zero emissions power system.

On 2 December 2025 (Release 1.0), AEMO delivered a range of changes for the ISF rule, with the project focused on AEMO's obligation to enable system security service contracts for minimum and efficient levels. Release 1.1 will deliver fully automated enablement.

4.2 High-level changes

Function	Description	Reference
APIs	Detailed specifications and context for API development	APIs
EMMS Data Model v5.7	Adds new tables in the SYSTEM_SECURITY_MANAGEMENT package for SSM_INDICATIVE_ROLL_DUID and SSM_INDICATIVE_ROLL_REGION	DM 5.7 - May 2026
Markets Portal	Adds enhancements to the enablement instructions and the asset availability screens. Adds Region and DUID schedule interfaces to the System Security Scheduler interfaces in the Markets Portal.	Markets Portal

4.3 Updates to the 2 December 2025 release

The upcoming release updates the following validations:

- An updated validation for minimum MW fields as a 9-digit integer.
- Adds validation to the asset availability in the Markets Portal to prevent a user editing the availability for time intervals in the current or next interval to the current time, or in the past.
- The search dropdown with no results retains the selected value instead of clearing the dropdown.
- Improves the filter behaviour by linking the dropdowns and resetting them only when no valid responses exist.

5 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. For details, see [EMMS - Data Model 5.7 - May 2026](#).

6 Markets Portal

The release updates the Markets Portal to include the Region and DUID schedule screens. Participants can view the information.

The design is in progress for this change and AEMO provides more details as these are finalised.

6.1 DUID schedule

DUID Schedule
Market time: 23/10/2025, 04:00:00 AEST

Data refresh in: 1 minute, 13 seconds
[Refresh now](#)
[View legend](#)

	23/10/2025								24/10/2025											
	21:00	21:30	22:00	22:30	23:00	23:30	00:00	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30
QLD																				
DUID2 (equip. type)	Avail	Avail	Avail	Pend	Pend	Pend	Pend	Avail	Avail	Sched	Sched	Sched	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
DUID3 (equip. type)	Avail	Canc	Canc	Canc	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	On	On	On	On	Avail	Avail
DUID4 (equip. type)	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
DUID5 (equip. type)	Avail	Fill	Fill	Fill	Fill	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
NSW																				
DUID2 (equip. type)	Off	Off	Off	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail

Legend for DUID schedule:

- Pending**
DUID has an enablement instruction that has not yet been sent
- Scheduled**
DUID has an enablement instruction sent to participant but not commenced
- Fillment**
DUID has a commenced or completed enablement instruction
- Fillment failed**
DUID has failed fulfillment for the enablement instruction
- Cancelled**
DUID has a cancelled or rejected sent enablement instruction
- Availabl**
DUID is offline and available for an enablement instruction or direction
- Offline**
DUID is offline and unavailable
- Online**
DUID is online

6.2 Region schedule

The screenshot shows the AEMO Region Schedule interface. The page title is "Region Schedule" with a market time of "23/10/2025, 04:00:00 AEST". A sidebar on the left contains navigation options like Home, System Security, and Schedules. The main content area features a "Filter by status" dropdown set to "Show all" and a "Refresh now" button. The data is presented in a grid format with columns for time slots on 23/10/2025 and 24/10/2025. Two rows are visible: "QLD" and "NSW".

	23/10/2025							24/10/2025													
	21:00	21:30	22:00	22:30	23:00	23:30	00:00	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30	
QLD																					
Region status	Sec	Sec	Sec	N.Sec	N.Sec	N.Sec	N.Sec	Fail	Fail	Fail	Sec	Sec	Sec	Fail	Fail	Sec	Sec	Sec	Sec	Sec	Sec
NSW																					
Region status	Fail	Fail	Fail	Fail	Sec	Sec	Sec	Sec	Sec	Sec	N.Sec	N.Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec

Participants can view the legend or more information for a region.

The "More information" modal displays the following details:

- Region information**
- Region status: ● Secure
- Period: 23/10/25 22:30 to 24/10/25 00:30
- Region: SA
- Connection status: Connected

Reports

7 Reports

TBC

8 APIs

There are no API updates for this release.

9 FAQs

Updated after the MSUG release.

10 Implementation

10.1 Transition

See Participant impact section.

10.2 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:](#)

10.3 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.

10.4 Risks

TBC

11 Terms

11.1 Rules Terms

You can find the following terms defined in the [National Electricity Rules \(NER\)](#) and the [Settlements Residue Auction Rules](#).

Term	Term	Term
AEMO	Region	Trading Position
AEMO Markets Portal	Regional reference prices	Unit Category
AEMO Website	Registered Participant	Units
Market Participants	Trading Limit	
NEM	Trading Margin	

11.2 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
EMMS	Electricity Market Management System; software, hardware, network and related processes to implement the wholesale energy market
NER	National Electricity Rules
MW	Megawatt
Release	EMMS - System Security Management Scheduler – October 2026
Release Dates	Pre-production: 30 September 2026 30 September 2026 Production: 28 October 2026 2026
TBC	To be confirmed

12 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.

12.1 Data interchange and data model resources

12.1.1 About

Information about setting up a Data Interchange environment: Data Interchange Help > [About Data Interchange](#).

12.1.2 Help

- [Data interchange online help](#)

12.1.3 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.

12.1.4 Reports

- Data Interchange Help > [Data Model Reports](#).

12.1.5 Releases

- Data Interchange Help > [Release Documents](#).

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A1. Version history

No version history, this is the initial draft release.