Daily reporting of system security services (June 2026)

Fact Sheet

This fact sheet outlines the content of the next-day (Day +1) reporting that the Australian Energy Market Operator (AEMO) will publish to fulfil its obligations under National Electricity Rules (NER) clause 4.4A.7(a), provide information to the market regarding system security service enablement activities, and support settlement of system security service agreements by Transmission Network Service Providers (TNSPs).

This fact sheet may be subsequently updated or amended. It does not constitute legal, business, engineering or technical advice. AEMO has made reasonable efforts to ensure the quality of the information in this document but cannot guarantee its accuracy or completeness.

Note that the report fields provided in this Fact Sheet are indicative only. AEMO makes iterative updates to its EMMS technical specifications as part of implementation; please refer to this documentation for final tables and reporting fields.

What is the ISF Rule?

In March 2024, the AEMC made a final determination on the Improving Security Frameworks (ISF) rule change. The ISF Rule empowers AEMO to assess and enable the necessary security services in operational timeframes to ensure the power system is secure day to day. It addresses system security challenges during the energy transition by reducing reliance on directions and providing better incentives for participants to invest in providing system security in the longer term.

The enablement of security services under the ISF Rule commenced on 2 December 2025 in accordance with the Security Enablement Procedure (SEP).

AEMO's ISF implementation

AEMO has planned its implementation process across two main releases to ensure it is able to meet its rule obligations, proactively manage transition risks, and support TNSPs and Providers to progressively transition to new system security enablement arrangements.

In its first release on the 2nd of December 2025 in line with the ISF Rule change (release 1), AEMO prioritised solution readiness of participant-facing interfaces, including the Markets Portal "System Security" User Interface and reporting functions to minimise impacts for TNSPs and Providers.

AEMO has planned two subsequent releases:

- release 1.1A which will deliver an enhanced manual scheduling solution is planned for June 2026, and
- release 1.1B which will deliver automated scheduling functions and other non-core components of the solution is planned for October 2026.

Release 1.1A will include enhancements to existing reporting, whilst release 1.1B will include two new reports, all of which is detailed in this fact sheet.

Further information on AEMO's ISF implementation is available on the ISF Project webpage.

Reporting requirements

Daily reporting

NER 4.4A.7(a) requires AEMO to publish reports on the previous day's enablement outcomes , as follows:

Each day, in accordance with the timetable, AEMO must publish details of each type of system security service, the relevant facilities, the quantity and AEMO's estimate of the cost of that service enabled in the previous day and the reasons for the enablement.

Annual reporting

In addition, under NER 4.4A.7(b) AEMO is required to publish an annual report (by no later than 30 September) setting out:

1) *an assessment of the extent to which system security services achieved the minimum system security requirements and stable voltage waveform requirements in the previous financial year;*
2) *the total quantity and estimate of costs of each type of system security service that was enabled in the previous financial year;*
3) *the relevant facilities that were enabled in the previous financial year;*
4) *the reasons for enablement of the system security services that were enabled in the previous financial year; and*
5) *any trends in the enablement of system security services compared with earlier financial years.*

The annual report is not covered by this fact sheet.

Reporting on system security enablements

Day + 1 reports include all system security services[1], not only those enabled via AEMO's new System Security Management (SSM) application. This includes transitional services, Network Support and Control Ancillary Services (NSCAS), system strength services and inertia network services.

Typically, reports reflect services that were enabled at any point during the previous trading day. For services that were enabled across more than one trading day, reporting occurs daily throughout the relevant enablement period. For example, a system strength service enabled for 27 to 29 December, would be reflected in the 28, 29, 30 December Day + 1 reports.

Publicly available daily reports

As part of the current release 1.0 AEMO publishes two (2) daily reports that are publicly available via NEMWeb and the NEM Wholesale Data Interchange.

As part of release 1.1B AEMO will publish an additional publicly available daily report. The approach to the reporting structure reflects consultation feedback highlighting the importance of maximising transparency whilst also balancing the requirements of NER 4.4A.7 and data confidentiality considerations for participating contracts. AEMO has also sought to align the approach to the extent possible with similar reporting arrangements, such as for directions.

Enablement Periods Day +1 Report

This report summarises the system security service types, reasons for enablement and relevant facilities related to services that were enabled in the previous trading day.

[1] Refer to 4.4A.2 in the NER.

SSM_ENABLEMENT_PERIOD	
INSTRUCTION_ID	Unique Instruction Identifier
DUID	Dispatchable Unit Identifier
ENABLEMENT_START_INTERVAL	The first Dispatch Interval for the INSTRUCTION_ID in the trading day the unit is enabled for system security services.
ENABLEMENT_END_INTERVAL	The last Dispatch Interval for the INSTRUCTION_ID in the trading day the unit is enabled for system security services.
ENABLEMENT_REASON	Reason for the enablement (field covers both service type and reason for enablement; for example: *System strength – combination; System strength – coefficient; NSCAS; NSCAS – voltage control; Inertia; Transitional service – type 1; Transitional service – type 1 MSL; Transitional service – type 2*)
LASTCHANGED	Last time record was changed.

The total number of facilities enabled may be determined based on how many DUIDs are reported as enabled on a given trading day. If a unit is enabled twice within the same trading day, it will appear as two distinct enablements in the Enablement Periods Day +1 report.

The total enablement quantity for each system security service type over the course of the trading day can be determined by summing the enablement duration for each DUID contributing to the system security service type.

Enablement Costs Day +1 Report

This report provides information on the estimated cost of enabled system security services over a trading day, aggregated by service type. The costs reported are estimates only and only represent certain elements of the cost of a given enablement. For example, it does not capture all costs associated with a given contract, such as availability payments, rather only those incurred as the result of enablement decisions.

The costs incurred as a result of enablement are estimated for this report: estimates of pool price pass through for energy revenue are adopted; and in the less frequent occurrence of cancellations, the cost of cancelled services is not included.

SSM_ENABLEMENT_COSTS	
END_TRADINGDATE	Trading Date of the end of the enablement
ENABLEMENT_REASON	Reason for the enablement (field covers both service type and reason for enablement; for example: *System strength – combination; System strength – coefficient; NSCAS; NSCAS – voltage control; Inertia; Transitional service – type 1; Transitional service – type 1 MSL; Transitional service – type 2*)
ESTIMATED_COSTS	Cost estimation for the service type.
LASTCHANGED	Last time record was changed.

Treatment of always-on contracts in publicly available daily reporting

Some system security service agreements will relate to facilities that provide an ‘always-on’ service. These facilities are assumed to be providing the contracted service unless on an outage and do not require day-to-day enablement scheduling by AEMO. The costs incurred are largely fixed by nature to reflect availability rather than enablement.

As such, AEMO will include details of always-on services in its annual report (rather than via daily reporting), including a list of always-on contracts for reference, to ensure completeness.

Release 1.1B: Indicative Rolling Regional Schedule Report

Once released, this report will provide a forward-looking view that shows the indicative system security status for each mainland region over the pre-dispatch period. The purpose of this is to provide Participants with early visibility of anticipated system security

conditions and potential upcoming enablement periods.

SSM_INDIC_ROLLING_RGN	
VERSION_DATETIME	Effective Date and Time of this record.
INTERVAL_DATETIME	Date and Time of the interval.
REGIONID	Region identifier
REGION_STATUS	System security status for the region (for example: *Secure, Resolved, Not Secure*).
DUID_COUNT_FIRM[3]	Sum of firm units enabled for the region with confirmed enablement instruction(s) sent.
DUID_COUNT_SPECULATIVE[3]	Sum of proposed units planned for the region where enablement instruction(s) are not sent.
LASTCHANGED	Last time record was changed.

Reporting available to TNSPs & Providers

As part of release 1.0, AEMO publishes three (3) daily reports accessible to participating TNSPs and Providers, with a further daily report becoming available in release 1.1B. TNSPs and Providers also receive enablement instruction reports notifying that a service has been enabled to provide a contracted system security service. These reports are available in the Participant Data Model report and the Markets Portal.

Final Day +1 Schedule Report

This report provides detail on the previous trading day's enablements for each relevant DUID. In combination with contract cost structure and other data accessible to TNSPs relating to their contracted assets (e.g. bids, SCADA data), the Final Day +1 Schedule Report provides the information required to support TNSP settlement of payments for enabled services. Although AEMO will be monitoring service provision for the purpose of maintaining system security, AEMO is not in a position to assess whether a service was fulfilled in accordance with contracted arrangements. This will need to be assessed independently by the TNSP.

SSM_SCHEDULE	
INSTRUCTION_ID	Unique Instruction Identifier
CONTRACT_ID	Unique Contract Identifier used to create enablement.
DUID_PARTICIPANTID	Primary recipient (system security service Provider)
TNSP_PARTICIPANTID	Participant ID of TNSP if contract procurer is TNSP.
DUID	Dispatchable Unit Identifier
UNIT_COUNT	Number of sub-units within a DUID that are required for enablement.
EQUIPMENT_TYPE	Dispatchable Unit resource (for example, GENERATOR, LOAD, BIDIRECTIONAL, SYNCHRONOUS CONDENSER).
SERVICE_TYPE	Requested Service to provide.
MIN_DISPATCH_MW	Minimum Dispatch Target required for DUID to enable the contract.
START_INTERVAL_DATETIME	The first Dispatch Interval in the trading day of the enablement.
END_INTERVAL_DATETIME	The last Dispatch Interval of the trading day of the enablement.
LASTCHANGED	Last time record was changed.

Scheduled Contract Unit Availability Report

The Contract Unit Availability Report provides a summary of service availability information changes submitted by Providers and is released when availability has changed.

SSM_CONTRACT_UNIT_AVAIL	
CONTRACT_ID	Unique Contract Identifier
DUID	Dispatchable Unit Identifier
INTERVAL_DATETIME	The starting Dispatch Interval for the availability change. This will be the active availability until the next INTERVAL_DATETIME record for this Contract and DUID.

[3] DUID_COUNT_FIRM and DUID_COUNT_SPECULATIVE fields will only be populated once AEMO deems there are sufficient contracts in the region.

VERSION_ DATETIME	Effective Date and Time of this record.
AVAILABLE	Indicates if DUID is available for the INTERVAL_DATETIME (1 = True, 0 = False).
UNIT_COUNT	Number of sub-units within a DUID that are available for enablement.
ACTIVATION_LEAD _TIME	The expected maximum lead time for the system security service to be enabled from a non-operational state in minutes.
MIN_DISPATCH_ MW	Minimum Dispatch Target required for DUID to enable the contract.
MIN_ENABLEMENT _DURATION	Minimum duration a unit must be active to enable the contract in minutes.
LASTCHANGED	Last time record was changed

Scheduled Availability Report (retrospective - weekly)

The weekly Scheduled Availability Report provides a retrospective report on the availability submitted for a given DUID over the previous seven trading days.

SSM_SCHEDULED_AVAILABILITY	
CONTRACT_ID	Unique Contract Identifier
DUID	Dispatchable Unit Identifier
AVAILABLE_START_INTERVAL	The first Dispatch Interval in the trading day the unit is available.
AVAILABLE_END_INTERVAL	The last Dispatch Interval in the trading day the unit is available.
TNSP_PARTICIPANTID	TNSP Participant ID
LASTCHANGED	Last time record was changed.

Release 1.1B: Indicative Rolling DUID Schedule Report

This report will provide an indicative forecast of upcoming enablements at a DUID level over the pre-dispatch period, with the aim of providing TNSPs and Providers visibility of when their contracted assets may be enabled.

SSM_INDICATIVE_ROLLING_DUID	
VERSION_DATETIME	Effective Date and Time of this record.
INTERVAL_DATETIME	The Date and Time of the interval.
CONTRACT_ID	Unique Contract Identifier.
DUID_PARTICIPANTID	Primary recipient (SSM Service Provider)
INSTRUCTION_ID	Unique Instruction Identifier
DUID_STATUS	Status of each contracted DUID (for example: *Scheduled pending, Scheduled approved, Instruction issued, Fulfilment, Available, Offline, Online, Outage*)
MIN_DISPATCH_MW	Minimum Dispatch Target required for DUID to enable the contract.
EQUIPMENT_TYPE	Dispatchable Unit resource (for example, GENERATOR, LOAD, BIDIRECTIONAL, SYNCHRONOUS CONDENSER).
LASTCHANGED	Last time record was changed.

Fact Sheet

Where can I find more information?

More information on AEMO's ISF Rule implementation project is available here.

Please direct any ISF-related questions to NEMReform@aemo.com.au.

Further support is also available via AEMO's Support Hub:

- support.hub@aemo.com.au
- 1300 236 600