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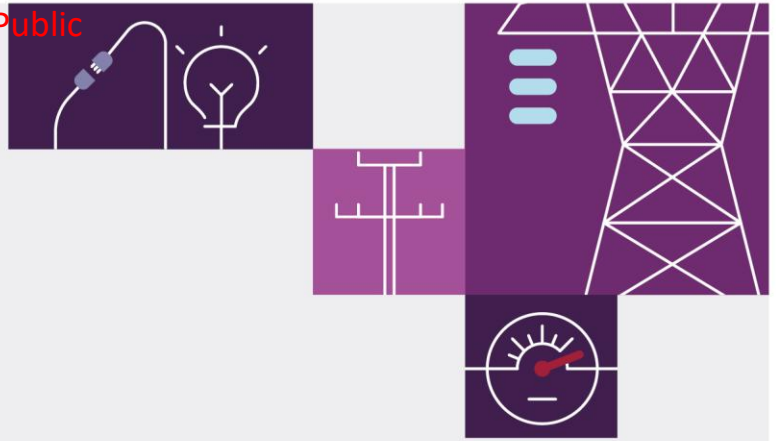


Metering Services Review (MSR) BPQD and IDX Release August 2026

Industry Go-live Plan



Public



Important notice

Purpose

This document describes the go-live approach for upgrading AEMO's retails systems for the Metering Services Review – Basic Power Quality Data (BPQD) and Industry Data Exchange release on 31 August 2026, noting that the BPQD rule was effective from 1 July 2026.

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Version control

Version	Release date	Changes
0.1	1 May 2026	Draft for Industry Review
1.0	22 May 2026	Updates to reflect changes to industry test timeframe
1.1	3 August 2026	Updates to align with new go-live date

1. Executive summary

This document sets out the industry go-live approach for AEMO's Metering Services Review (MSR) Basic Power Quality Data (BPQD) and Industry Data Exchange (IDX) release, which is the first production use case of AEMO's new Industry Data Exchange platform under the broader Market Interface Technology Enhancements (MITE) program. The release supports the Accelerating Smart Meter Deployment Rule, enabling Distribution Network Service Providers (DNSPs) to obtain basic power quality information (e.g., voltage, current, power factor) sourced from smart meters.

The BPQD-IDX release introduces a new business service and standardised, API-based data exchange. It enables daily provision of BPQD from Metering Coordinators (MCs) to DNSPs. The release also introduces a new Industry Data Exchange environment for BPQD data exchange.

AEMO has a key coordination role, through collaboration with its industry working groups, to ready Industry and itself for the various system and market "go-live" dates. For BPQD, AEMO coordinates industry readiness through:

- **Preproduction and Production environment establishment**, including the new IDX platform
- **Release of AEMO Gateway software** for optional uptake by industry participants
- **Release of the BPQD solution** to commence operations in line with requirements
- **Facilitation of coordinated Industry Test** with Q&A support sessions, referencing the Coordinated Industry Test Plan.
- **Go-live criteria and checkpoint decisions** approximately at 3 months and 1 month prior to go-live, communicated via the Implementation Forum
- **Communications** via Support Hub notices and the NEM Reform mailbox, with incidents managed through the Support Hub.

BPQD/IDX coordinated industry testing, now complete, experienced a challenging start due to delays in Preproduction environment readiness, deployment activities and technical configuration issues. The originally planned commencement date of **25 May 2026** was deferred several times while AEMO completed remaining deployment, environment configuration, security approvals and functional testing activities. Industry testing ultimately commenced in early June and continued through to **21 July 2026**, during which participants validated connectivity, BPQD transaction flows, Gateway software, IDX Core services and the IDX Web Application.

Throughout testing, participants identified a range of technical defects and operational concerns, including IDX WebApp payload retrieval errors, Gateway software issues, onboarding challenges, network performance concerns and functionality gaps. AEMO progressively released functionality and fixes into pre-production and worked with participants through regular Q&A sessions to retest scenarios and confirm readiness. By 21 July 2026, AEMO advised that industry testing was complete, major defects had been addressed, and a formal service commencement date of **31 August 2026** had been confirmed.

The BPQD production release is now focused on transitioning into operational readiness and controlled service commencement on 31 August 2026. AEMO's production deployment program covers infrastructure readiness, participant onboarding, production connectivity, operational support preparations, go-live governance and transition management.

During and post go-live, AEMO will provide hypercare including heightened SME availability, issue tracking, and additional Q&A as required.

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While overall readiness remains on track, residual risks such as disaster recovery testing activities, will continue to be actively managed.

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2. Introduction

This chapter provides background information on AEMO's second release for Metering Services Review (MSR), MSR BPQD-IDX release (BPQD-IDX release), for Basic Power Quality Data (BPQD) and the Market Interface Technology Enhancements (MITE) program. It sets out the purpose, scope and deployment activities planned for Preproduction and Production go-live.

2.1 Purpose of the industry go-live plan

The BPQD-IDX release will introduce a range of functional and technical changes. This document is designed to assist Participants and IT staff who will be affected by these updates, providing essential information regarding the scope and nature of the modifications. Stakeholders are encouraged to review this material thoroughly to understand how their roles and responsibilities may be influenced by the upcoming changes.

2.2 Metering Services Review (MSR) Release 2

The Accelerating Smart Meter Deployment Rule¹ seeks to implement the recommendations of the AEMC's review of the metering framework in 2023. To enable an acceleration for the deployment of smart meters, the rule outlines a regulatory change covering the following:

1. Creation of a Legacy Meter Replacement Plan (LMRP) by Distribution Network Service Providers (DNSPs)
2. New processes for the management of site defects and metering installations that have shared points of isolation
3. A requirement for AEMO to develop a guideline to assist Metering Coordinators MCs in their development of asset management strategies for testing and inspecting metering installations
4. Changes to the arrangements for the testing and inspection of legacy metering installations and the management of metering installation malfunctions
5. And finally, a new requirement on MCs, for the provision of a BPQD service to DNSPs

The first 4 points above were implemented in the October/November 2025 MSATS releases, the final component is the subject of this Industry Go-live Plan and will be deployed on AEMO's new Industry Data Exchange (IDX) Platform.

2.3 New capabilities introduced by BPQD

The MITE Program is AEMO's coordinated initiative to modernise how market participants interact digitally with AEMO across the National Electricity Market (NEM). The program brings together a set of foundational technology upgrades that are prerequisites for major NEM reforms. The MITE program consolidates three core projects into a single delivery program: Identity and Access Management (IDAM), Industry Data Exchange (IDX), and Portal Consolidation (PC). Together, these initiatives are intended to replace fragmented, legacy interfaces with more secure, scalable, and standardised digital services, improving data sharing, access control, and usability for industry participants.

¹ [AEMC – Accelerating smart meter deployment – Rule Change](#)

AEMO's BPQD-IDX release is the first implementation for the MITE program and includes the introduction of the Industry Data Exchange (IDX) and new IDX screens available on the Markets Portal to support BPQD transactions.

2.3.1 Industry Data Exchange (IDX)

BPQD introduces core IDX platform capabilities, providing a unified, secure and scalable framework for data exchange between AEMO and Market Participants.

The BPQD-IDX Release establishes core functionality supporting BPQD. This includes:

- AEMO Gateway software², an integration layer for handling message routing and integration, including API endpoints for secure API management for inbound and outbound traffic. This software supports the coexistence of legacy aseXML interfaces and new JSON interfaces for BPQD.
- Support for multiple data exchange patterns and operational controls, including:
 - Fire and forget, large file patterns as per a business functions message exchange requirement. Real-time event notifications delivered using the WebSocket communication protocol.
 - Flow Control capabilities for message sequencing, throttling, and queue management.
 - Transaction logging to track all messages for auditing and troubleshooting.
- Security and access controls: OAuth-based access and role controls for authentication and authorization.
- Support for Business Functions, each with its own schema, schema versioning, and API. The first Business Function on IDX is BPQD. See [Industry Data Exchange - Basic Power Quality Data - June 2026](#)³.
- IDX Web application providing transaction/message tracking visibility (e.g. sent, received, accepted, rejected) and provides future alignment with identity, authentication and data exchange patterns.
- Ability to search and view transaction history, view the IDX Hub Queue and view and download BPQD payloads.

For details, see the [Industry Data Exchange – Platform – July 2026](#)⁴ technical specification.

2.4 Go-live planning engagement

The BPQD-IDX release Industry Go-Live Plan is developed in consultation with industry through the Implementation Forum. Table 1 below illustrates AEMO's engagement approach and timeline for developing the plan.

Table 1 BPQD-IDX Release Industry Go-Live Plan development timeline

Milestone	Date
Publish draft for industry feedback	1 May 2026
Industry feedback sought by	15 May 2026
Publish final plan	22 May 2026

² [IDX AEMO Gateway Software](#)

³ [Industry Data Exchange – Basic Power Quality Data – July 2026](#)

⁴ [Industry Data Exchange – Platform – July 2026](#)

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Milestone	Date
Publish final plan v1.1	31 July 2026

2.5 Reference documents

The related documents mentioned in Table 2 are relevant to the industry go-live plan.

Table 2 BPQD-IDX Release reference documents and web sites

#	Document name
1	2025 Metering Services Review Package 3 (BPQD) final report
2	AEMO Market Interface Technology Enhancements initiative site
3	AEMO Metering Services Review - Accelerating Smart Meter Deployment Initiative Site
4	MSR High Level Implementation Assessment Final
5	IEC BPQD Consultation
6	BPQD Procedure Expedited Consultation
7	Technical Specification - Industry Data Exchange - Basic Power Quality Data - June 2026
8	Technical Specification - Industry Data Exchange - Industry Data Exchange Platform - June 2026
9	Portal Consolidation- Release 1A UI Changes
10	Industry Data Exchange – AEMO Gateway Software – May 2026

3. Go-live Plan Framework

3.1 Principles

The industry transition and go-live strategy principles apply to BPQD-IDX changes. These are:

- Operation of the NEM should be uninterrupted during periods of transition and go-live.
- Market system go-live risks should be minimised.
- Participants should be provided with implementation flexibility where possible.
- Participants and AEMO are responsible for their own go-live planning.

3.2 Scope

The BPQD-IDX solution stack required to support industry testing in the preproduction environment and go-live in the production environment includes deployment of new IDX platform, interfaces and supporting infrastructure.

- In Scope is the deployment of:
 - new IDX Platform and AEMO Gateway software
 - new core IDX APIs and Power Quality Data API
 - 17 new screens for the IDX Web App on the MarketNet Portal, to support BPQD
 - Operationalisation of the BPQD schema v1.0.0
 - Communications during deployment
 - Support arrangements during the Go-live period
- Out of Scope
 - PC 1A components for technical uplift and UI modernisation
 - IDX components: EventNotification API and Archive UI (planned delivery 30 September 2026)
 - Identity and Access Management (IDAM)
 - Participant contingency plans.

4. Industry Go-live Plan

4.1 Industry Test

AEMO will run a coordinated industry test in the Preproduction environment to monitor participants' execution of test scenarios through the Q&A sessions. There are no data refresh requirements for BPQD.

For further details including testing scope inclusions please refer to the BPQD-IDX Coordinated Industry Test Plan⁵.

4.2 Environment Readiness

AEMO will establish the preproduction and production environments with the BPQD-IDX changes underpinned by the core IDX platform and Gateway software and carry out the required performance, security and operational readiness tests.

4.3 BPQD Payload Schema

A new payload schema is required to support the BPQD API. Details of the schema and API specification can be found in the Industry Data Exchange – Basic Power Quality Data – July 2026⁶ technical specification.

4.4 Go-live criteria and readiness decision

The Go-live criteria has been established and published on the initiative webpage⁷.

Checkpoint decisions will be made approximately three months and one month prior to go-live to determine overall initiative readiness for Production and communicated via the Implementation Forum. Refer to presentation⁸ for Implementation Forum slide pack, held 1 April 2026, for results of the 3-month checkpoint.

4.4.1 Participant readiness

Participant readiness activities, including participation in industry testing, are not a pre-requisite for AEMO to confirm technical readiness to go-live. As such, the release will not require formalised reporting on participant readiness activities.

However, AEMO encourages impacted Participants (DNSPs, MCs) to engage in industry testing.

⁵ [MSR BPQD-IDX Coordinated Industry Test Plan](#)

⁶ [Basic Power Quality Data - July 2026](#)

⁷ [AEMO | Metering Services Review - Accelerating Smart Meter Deployment](#)

⁸ [April 2026 Implementation Forum presentation](#)



4.5 Communications

Correspondence regarding the go-live will be released through AEMO Support Hub bulletins and the [NEM Reform mailbox](#). AEMO will provide the following forms of updates to participants during the AEMO cutover:

- **Checkpoint updates** – provide participants with updates on progress status prior to implementation. Updates to be provided at the upcoming Program Consultative Forum (30 July) and Implementation Forum (11 August).
- **General updates** – provide participants with information about the status of implementation activities via the NEM Reform mailbox.
- **Support Hub Notices** – provides information to the market on Software releases including notifications of outage completion, if required.
- **Issues** – should any issues arise or deviations from the previously communicated processes, participants will be notified through the NEM Reform mailbox. If the issue or deviation is in relation to a notice previously sent through AEMO's Support Hub Notices, participants will receive a communication through this channel in addition to the NEM Reform mailbox. Participants experiencing issues as a result of the go-live, should raise these incidents directly via the AEMO Support Hub.

4.6 Go-live schedule

Production deployment of the BPQD-IDX release will occur on Monday 31 August 2026. No outage is required.

The steps for the implementation of AEMO market system changes and associated communications for both Preproduction and Production are outlined in Table 3.

Note, pre-requisite requirements have been identified prior to installation and configuration of AEMO Gateway Software for Participants that opt to do so. For details, refer to [IDX AEMO Gateway Software – Technical Specification⁹](#).

A significant component of the production release is participant onboarding and transition readiness. Current participant activities include:

- **Network and connectivity readiness:** MarketNet connectivity, firewall/allow list changes, environment IP address changes, API endpoint changes
- **TLS Certificate readiness:** obtain and load TLS certificates required for IDX and BPQD connectivity and notify AEMO via Support Hub by **7 August 2026**
- **IDX Platform readiness:** Authentication setup, verification of message processing and establishment of monitoring for queue size, flow control thresholds and transaction logs.
- **Participant ID & MSATS readiness:** Confirmation of Participant IDs with AEMO and MSATS entries required for Production provisioned and available

⁹[IDX - AEMO Gateway software - June 2026](#)

AEMO issued a Transition Planning Survey to Metering Coordinators and other participants to understand onboarding plans, expected commencement dates and anticipated transaction volumes following go-live. Survey responses indicate participants intend to commence full operational volumes from Day 1.



Table 3 BPQD-IDX Release Go-live Schedule

Ref ID	Date	AEMO Action	Participant Impact/Action	Communication Channel
Pre-Production				
1	Monday, 18 May 2026	AEMO Gateway Software available to participants	Participants that opt to do so, may install and configure AEMO Gateway Software in their Preproduction environment. Refer IDX AEMO Gateway Software - Technical Specification¹⁰	- Support Hub email - Email to Implementation Forum and ITWG members when software is available
2	Prior to 1 June 2026	AEMO email notification sent to Participants	Reminder to Participants, who intend sending/receiving BPQD transactions in Preproduction and Production, of interim process to obtain and maintain TLS Certificates for non-repudiation. Refer to: MSR BPQD-IDX coordinated industry test plan¹¹ and IDX Platform – July 2026 technical specification¹².	Email to impacted Participants
3		AEMO establishes Preproduction environment for BPQD-IDX release.	No outage requirements.	
4	Monday, 1 June 2026	AEMO activates IDX and BPQD services in Preproduction: - BPQD schema - BPQD API - Core APIs to manage the message exchange lifecycle: - Transaction Logging API - Flow Control API	No outage requirements.	Email to Implementation Forum and ITWG members when software is available

¹⁰ [IDX - AEMO Gateway software - June 2026](#)¹¹ [MSR BPQD-IDX Coordinated Industry Test Plan](#)¹² [AEMO | Technical Specification Portal](#)

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Ref ID	Date	AEMO Action	Participant Impact/Action	Communication Channel
		○ Archive API ○ Business Function Info API ○ OAuth Token API AEMO will release IDX Web application functionality: • Flow control • Participant status		• Q&A sessions commence via Teams (1 June).
5	Thursday 11 June 2026	AEMO released WebApp: Transaction Logging		• Email to Implementation Forum and ITWG members
6	Monday 20 July 2026	Update to AEMO Gateway Software released to Pre-production and available in the EMMS Pre-production FTP server. Data interchange improvements and implementation instructions are available in the Technical Specification Portal.		• Email to Implementation Forum and ITWG members when software is available
7	Tuesday 21 July 2026	Coordinated Industry Test period concludes.	Participants can continue testing beyond this date and report issues via NEMReform mailbox	• Email to Implementation Forum and ITWG members at completion.
8	Tuesday 28 July 2026	Email notification sent to Participants of IP address changes for both Pre-production and Production.	Participants to change IP addresses: Preprod: 146.178.211.154 Prod: 146.178.211.155	• Email to Implementation Forum and ITWG members at completion.
Prior to Production Go-live 31 August 2026				
1	Friday, 31 July 2026	AEMO email notification will be sent to Participants	Reminder to Participants, who intend sending/receiving BPQD transactions in Production, of interim process to obtain and maintain TLS Certificates for non-repudiation by Friday 7 August. Refer to:	• Email to impacted Participants

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Ref ID	Date	AEMO Action	Participant Impact/Action	Communication Channel
			MSR BPQD-IDX coordinated industry test plan ¹³ and IDX Platform – July 2026 technical specification ¹⁴ .	
2	Prior to 31 August 2026	AEMO establishes Production environment for BPQD-IDX release.	No outage requirements	
3	Wednesday 5 August 2026	AEMO Gateway software update available.	Participants that opt to do so, may install and configure AEMO Gateway Software in their Production environment. Refer IDX AEMO Gateway Software - Technical Specification ¹⁵	Email to Implementation Forum and ITWG members when software is available
4	Week prior to go-live	AEMO proposes to run two Q&A sessions in preparation for go-live: Monday 24 th and Thursday 27 th August.		Teams meeting
Production Go-live 31 August 2026				
5	Monday 31 August 2026, approximately 12:00pm	AEMO activates IDX and BPQD services in Production: - BPQD schema - Core IDX APIs - BPQD business function (API) - IDX Web App for Markets Portal	- No outage requirements. - Participants can perform connectivity tests and commence BPQD services in new IDX Production environment.	- Support Hub email - Email to Implementation Forum and ITWG members when software is available
6	From Monday 31 August, as required	AEMO will run Q&A sessions to support Participants		Teams Q&A session
7	1 month after go-live	AEMO will release: - Event Notification API - Archive WebApp		Email to Implementation Forum and ITWG members when software is available

¹³ [MSR BPQD-IDX Coordinated Industry Test Plan](#)

¹⁴ [AEMO | Technical Specification Portal](#)

¹⁵ [IDX - AEMO Gateway software - June 2026](#)

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4.7 Go-live Contingency

The Release is comprised of updates to current AEMO systems only. Where a task/deployment has a participant impact, AEMO will provide communication confirming the successful deployment.

Where an issue arises that impacts the Readiness and Go-live Criteria, participants will be notified and a path forward will be communicated. This may involve consultation and will be assessed if/when required.

5. Participant Support Arrangements

All production issues should be raised via the Support Hub and managed through the current retail system support processes.

AEMO will run Hypercare for the MSR-BPQD changes from 31 August 2026. There will be heightened SME availability to support participants during this time along with:

- Issue Tracking:
 - Publication of identified Issues Log
 - Q&A Sessions as required
 - Participants are requested to follow BAU process and log issues via the AEMO Support Hub
- Communications:
 - Market communications will be used for the notification of any impacts to processing
 - The AEMO MSR-BPQD project will organise post-go-live open Q&A sessions as required
 - Q&A session to discuss any issues or queries.

Glossary

Term	Definition
AEMC	Australian Energy Market Commission
AEMO	Australian Energy Market Operator
API	Application Programming Interface
BAU	Business As Usual
BPQD	Basic Power Quality Data
Cutover	System or process implementation event
DNSP	Distribution Network Service Provider
IDX	Industry Data Exchange
IF	Implementation Forum
Industry testing	Informal, uncoordinated testing by participants in AEMO's IT environments. Self-testing of functionality such as connectivity, and/or coordinated multi-party testing of functional scenarios.
ITWG	Industry Testing Working Group
MC	Metering Coordinator
MSR	Metering Services Review
NEM	National Electricity Market
NER	National Electricity Rules
OAuth	Open Authorisation
PC	Portal Consolidation
Q&A	Question and Answer
SME	Subject Matter Expert
UI	User Interface