AEMO July 2026 Release

Metering Services Review (MSR) BPQD, IDX

Coordinated Industry Test Plan (Draft)

DRAFT version 0.1

Important notice

Disclaimer

This document or the information in it may be subsequently updated or amended. This document does not constitute legal or business advice and should not be relied on as a substitute for obtaining detailed advice about the National Electricity Law, the National Electricity Rules, or any other applicable laws, procedures, or policies. AEMO has made every effort to ensure the quality of the information in this document but cannot guarantee its accuracy or completeness.

Executive Summary

The AEMO July 2026 Release implements Basic Power Quality Data (BPQD), part of the Metering Services Review (MSR).

MSR BPQD will be enabled through the foundational capabilities being provisioned by Industry Data Exchange (IDX) which is an initiative under the broader Market Interface Technology Enhancements (MITE) program.

The National Electricity Amendment (Accelerating Smart Meter Deployment) Rule 2024 No. 20 establishes the BPQD framework, effective from 1 July 2026. Under this rule, "Small" customers, except those with Type 4A and Type 8B meters that meet the minimum services specification, are required to provide BPQD through their Metering Coordinator (MC) to the Local Network Service Provider (LNSP). This process enables the LNSP to manage the distribution network efficiently.

- BPQD is defined as voltage, current, and phase angle.

Expected Participants:

- MCs responsible for submitting BPQD via API
- MDPs submitting BPQD on MC's behalf
- LNSPs get BPQD using the new APIs

High Level Testing Scope:

1. Participant Connectivity to new AEMO IDX with an option to use AEMO Gateway Software
2. Testing BPQD functions (submit and get BPQD data) via API
3. Testing BPQD/IDX functions using Market Portal (view/download BPQD data, view transaction logs, archives)

Access to the new IDX Web App will be managed through the existing MSATS User Rights Management (URM).

No Data Environment refresh is required within AEMO, IDX and BPQD functionality are all new.

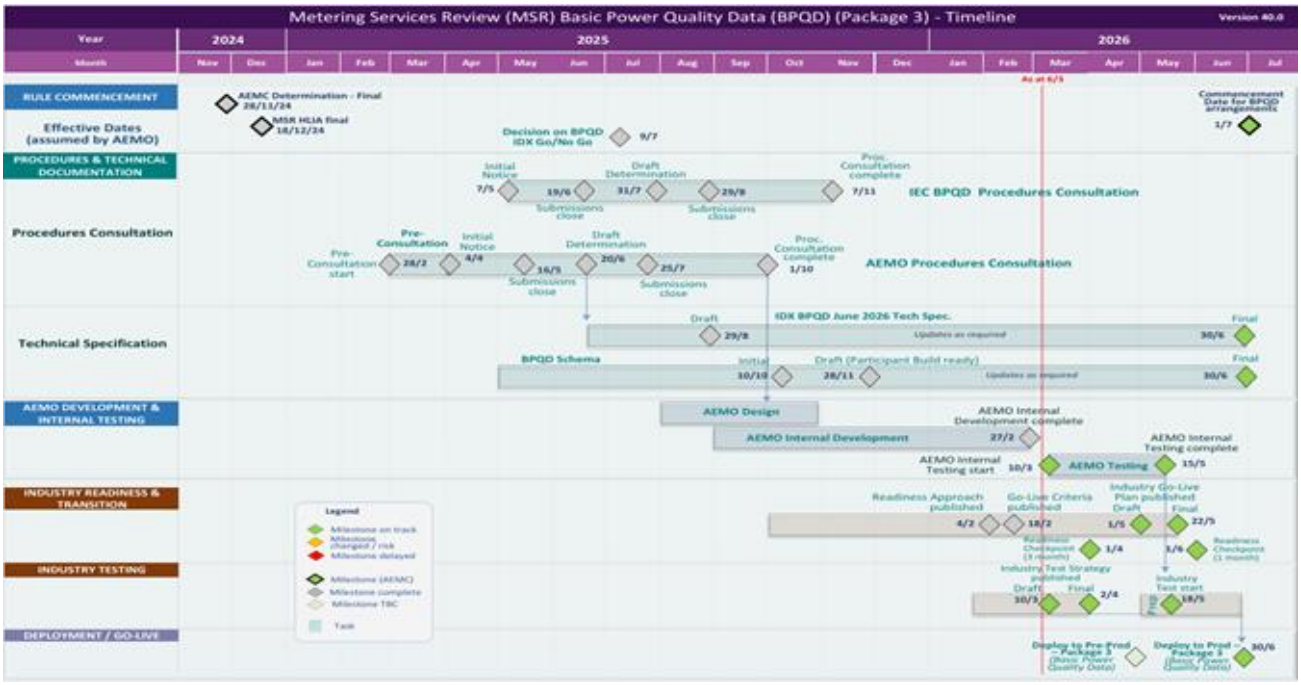
The July 2026 Release industry test for BPQD/IDX will be formally conducted over a four-week period. The objective is to cover all major test scenarios in this period. An additional two-week testing window is available to participants after formal testing before project go-live. This additional testing period is informal. AEMO project team will continue to provide support to participants during this informal testing period.

Testing Support will be provided via daily Q&A/Test Progress meetings and via email through the NEMReform@aemo.com.au mailbox. Invitation to these meetings will be sent to the list of contacts provided by each organisation participating in the Industry Testing.

The daily BPQD meetings will overlap with FTA Industry Testing (May 2026 Release) and Hypercare meetings. AEMO will aim to consolidate the daily BPQD Q&A meetings with FTA meetings to allow participants in both initiatives to join.

BPQD functionality is planned to be effective in production on 1st of July 2026.

Please see below MSR Overview Industry Test Timeline:



Note: There will interim processes applicable for the periods between IDX Release 1 and Release 2 (July 2026 - Q1 2027) for participants who intend on sending or receiving BPQD transactions during this time

- Interim Process to obtain and maintain TLS Certificates for Non-repudiation (more details in Section 3.1)

Contents

Tables

Figures

1 Introduction

This section provides background information on AEMO's Metering Services Review (MSR) initiative, implementing Basic Power Quality Data (BPQD) through the Market Interface Technology Enhancements (MITE) Program via foundational capabilities of the Industry Data Exchange (IDX) platform, sets out the purpose, scope and approach to the development of this Coordinated Industry Test Plan (the 'Plan').

The July 2026 release of MSR BPQD will be delivered into pre-production on 18 May 2026 and will be deployed to Production on 30 June 2026 in readiness for the rule commencement date of 1 July 2026.

1.1 About the ASMD Rule Change

The Accelerating Smart Meter Deployment Rule (ASMD) Rule 2024 No. 20 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 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 Metering Coordinators (MCs), for the provision of a BPQD service to DNSPs

The first 4 points above were implemented in the October/November 2026 MSATS releases, the final component (BPQD) is the subject of this Industry Test and will be deployed on AEMO's new IDX Platform.

1.2 About Market Interface Technology Enhancements (MITE) Program

The MITE program is AEMO's coordinated initiative to modernise how market participants interact digitally with AEMO across the National Electricity Market. 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 Access Management (IDAM), 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.

AEMO's July 2026 release is the first implementation for the MITE program and includes the introduction of IDX to support BPQD.

1.2.1 About IDX

AEMO is introducing an IDX platform providing unified data exchange between AEMO and participants across the NEM, WEM, and Gas markets.

IDX release 1 provides IDX core functionality supporting BPQD. The first Business Function on IDX is BPQD.

This includes:

- An integration layer for handling message routing and integration, including API endpoints for secure API management for inbound and outbound traffic.
- Support for Fire and Forget data exchange pattern for BPQD, including:
    - Flow Control capabilities for message sequencing, throttling, and queue management.
    - Transaction logging to track all messages for auditing and troubleshooting.
- Security and access controls:
    - AEMO Gateway Software – Installed by participants for secure connectivity.
    - OAuth-based access and role controls for authentication and authorization.
- Introduction of a new IDX WebApp, which enables searching and viewing transaction history and viewing and downloading of BPQD payloads.

1.3 Purpose of the Coordinated Industry Test plan

The purpose of this Plan is to set out the details for coordinating, managing, monitoring, and reporting on AEMO's and NEM participants' testing activities and results.

As set out in AEMO's MSR BPQD Industry Test Strategy (the 'Strategy'), the Plan will cover the following points:

- Test phase objectives
- Detailed scope of testing
- Prerequisite activities
- Entry and exit criteria
- Test cycle approach and dates
- Data management
- Defect management
- Test reporting requirements

1.4 Related documents

The following BPQD related documents or web pages are relevant to this plan.

Table 1 Reference Documents and Websites

#	Document name
1	AEMO | Metering Services Review - Accelerating Smart Meter Deployment (see PQD)
2	AEMO | Market Interface Technology Enhancements
3	AEMO July 2026 release MSR BPQD IDX Industry Test Strategy (draft)
4	IDX Web App Interfaces
5	IEC Consultation for BPQD
6	Technical Specifications: Industry Data Exchange (IDX) Tech Specs Basic Power Quality Data (BPQD) Tech Specs

1.5 Audience

The Plan is primarily intended for all NEM participants affected by the MSR BPQD project, particularly their:

- Test managers
- Test Leads
- Test Analysts (System Integration, UAT, Coordinated Industry Testing)
- Project Managers
- Developers and Business and Functional Subject Matter Experts (SMEs).

Secondary audiences within these businesses including:

- Development Managers
- IT Operations Teams
- Change Controllers
- Operations Teams.

2 Approach to developing the Coordinated Industry Test plan

The Plan is being developed in consultation with industry. AEMO utilises the Industry Testing Working Group (ITWG) for input to the Strategy and Plan. The Strategy sets out the high-level considerations that should be met when developing the Plan. The table below provides a summary of the opportunities for input by industry.

Table 2 Coordinated Industry Test plan: Consultation and Execution timeline

First draft circulated to ITWG participants for review and comment	8th April 2026
ITWG – March 2026	6th March 2026
ITWG – April 2026	8th April 2026
ITWG Feedback on first draft due	23rd April 2026
Final version published	30th April 2026
Coordinated Industry Test Q&As commence	18th May 2026
Coordinated Industry Test Go-Live Checkpoint	12th June 2026
Coordinated Industry Test Ends	26th June 2026

2.1 BPQD Coordinated Industry testing objectives

The objectives of the BPQD Coordinated Industry Test are to:

- Carry out a coordinated, bilateral industry testing between MCs, MDPs and LNSPs
- Validate BPQD business functions under the new IDX platform
- Validate IDX platform functions

3 Scope of Testing

The scope was agreed as part of the defined Test Strategy, one-to-one meetings with MCs, MDPs and LNSPs, and feedback was requested in ITWG. The detailed scope was built by initially reviewing the changes that would be implemented from the BPQD commencement date.

Note: Industry Testing for BPQD is scheduled by AEMO, however participants are responsible for defining and executing testing scope and bilateral testing arrangements with other participants. To assist with this, the following suggested scope is provided.

3.1 Detailed Scope - Tech Specs Reference

The following technical specifications provides the details of what is in and out of scope for MSR BPQD Coordinated Industry Testing.

- Industry Data Exchange (IDX) Tech Specs
- Basic Power Quality Data (BPQD) Tech Specs

Note: The technical specifications are continuously updated until the project go-live date.

3.1.1 In scope

1. **Participant Connectivity to new AEMO IDX Preprod Environment**
    - Participants can verify connectivity to AEMO IDX (for API testing)
        - Using Participant's own gateway
        - Or using AEMO gateway software
    - OAuth-based access and role controls for authentication and authorization
2. **BPQD Functions (under the new IDX Platform)**
    a) **Via API** (Note: The BPQD is the first Business Function API available on IDX)
        1. Submitting BPQD payload
        2. List BPQD Meta data
        3. Get BPQD messages
        4. Delete BPQD messages
        5. Adjust BPQD Flow Control (see Flow Control OAS)
        6. BPQD WebSocket Event Notifications

b) **Via UI** (Markets Portal)

1. Test IDX Web App within Market Portal

    a. Download or Delete BPQD payload

    b. Search and view BPQD within Transaction log and Outbound Archive interface (by market role, see Table of IDX Interface Access below)

    c. View Flow Control Interface / Participant Status Interface

Table 3 IDX Interface Access by Market Role

Interface	Description	Role for BPQD
Transaction Log	Provides logs for BPQD transactions	LNSP MC
Outbound Archive	Allows LNSPs to search, view, and retrieve archived outbound messages	LNSP
Flow Control	Enables participants to monitor and manage message flows for PQD message function	LNSP
Participant Status	Displays the current and historical operational status of all business functions and resources	LNSP MC

Note on Interim Processes

This will be applicable for the periods between IDX Release 1 and Release 2 (July 2026 - Q1 2027) for Participants who intend on sending or receiving BPQD transactions during this time

- Interim Process to obtain and maintain TLS Certificates for Non-repudiation
    - Upload CSR via Certificate Management Portal / API (per existing process)
    - Email support hub providing CN and primary/secondary nominations (interim process, between Release 1 and 2)
    - Process for renew/reissue/revoke TLS Certificate is similar using the portal and API, then emailing support hub the required details
    - The interim process needs to be completed for both Pre-Production and Production

3.1.2 Out of scope

Coordinated Industry Test scope exclusions:

- Advanced PQD
- IDAM Integration development activities by Participants. IDAM is not available until the MITE Foundation release in March 2027. For BPQD, a decision was made to proceed with an interim IDAM solution within IDX leveraging existing URM capability
- Portal Consolidation 1A – Market Portal UI framework and technical upgrade (no longer in scope for July release)
- Changes to participants' supporting business systems that do not directly interact with AEMO's market systems (i.e. back-end system). These are addressed by participant's own test strategies
- Any bilateral testing between participants beyond the scope indicated in section 3.1.1. Participants can coordinate bilateral testing between themselves in parallel to the industry test
- Downstream business procedures for each participant
- Testing of agreed non-critical business processes (unless otherwise agreed by the affected participants).

3.2 Prerequisite activities

Configuring access to IDX Web App

Participant access to the new IDX Web App will be managed through the MSATS User Rights Management (URM).

Ensure the required rights and entities applicable for your market role have been granted by your Participant Administrator, See URM User Rights Access in Technical Specifications.

Table 4 URM Entities and Description

Entity	Description
PQD_BPQD	PQD API access
FCTRL_FCTRL	Write access to Flow Control API and web interface
FCTRL_STATUS	Read access to Flow Control API and web interface
TRANSLOG_TRANSLOG	Transaction Log API and web interface
ARCH_RETRIEVE	Archive API and Outbound Archive web interface

In advance of the Coordinated Industry testing, AEMO will request that some prerequisite activities are completed by participants, see table below.

Table 5 Timeline for completion of prerequisite activities

Prerequisite Activity	Due Date
Learn how to navigate to and use the new IDX Web App (screenshots shared at IDX Web Interfaces)	Before industry test start
Internal AEMO: Pre-Industry Test Activities (Baseline Tests/Code Deployment/Technical Verification)	Before industry test start
Installation of AEMO Gateway Software (if opting to use this) See AEMO Gateway Software	Before industry test start

3.3 Entry and Exit Criteria

3.3.1 Entry criteria checklist

Participants will be asked to meet the following criteria in advance of the commencement of Testing:

- Prerequisite as per section 3.2
- Test data preparation
- Appropriately skilled resource capability available to execute and support testing

AEMO will:

- Ensure the Pre-production environment is available, and all relevant functionality is available for testing.
- Setup access to market portal for registered industry test participants.
- Ensure relevant Test Plan is complete, agreed and delivered to the ITWG.
- Confirm participants to be ready before the commencement of the industry test.
- Advise participants that AEMO internal testing is successfully completed to extent to support commencement of Industry Test.
- Advise what defects are outstanding from AEMO's internal testing that could impact participant or AEMO in Industry Testing.

3.3.2 Exit criteria

Exit criteria for the text execution phase may include:

- Successful completion of all high-priority test scenarios.
- No outstanding Priority 1 or Priority 2 defects on AEMO.
- Any open defects (Priority 3 or 4) have agreed resolutions or work around in place and published.
- Final Test Summary Report completed.
- The overall result of each phase of market testing will be one factor included in the assessment of the overall market readiness for each phase of implementation.

4 Test cycle approach

The Test Schedule has been developed in line with the approach that was agreed in consultation with the Industry Testing Working Group.

4.1 Testing timeframe

The July 2026 Release industry test will be formally conducted over a four-week period. The objective is to cover all major test scenarios in this period.

An additional two-week testing window is available to participants after formal testing before project go-live. This testing is informal. AEMO project team will continue to provide support to participants via Q&A sessions as needed and via the NEMReform@aemo.com.au mailbox

For more information, see BPQD Participant Timeline

4.2 Suggested Testing Schedule - Bilateral testing between MC and LNSPs

The main items to consider are:

- New - IDX Web App and Functions
- New - BPQD Business Function APIs

Table 6 Suggested Weekly Activities

Week Number	Activities
Week 0	Code Deployment into Preprod environment (IDX/BPQD) Kick off Meeting, Pre-requisite Checks
Week 1	Shakedown / Check Access to IDX Web App Connectivity Confirmation for API Testing (AEMO Gateway Software or another Gateway) Submit of BPQD Data for MCs via API
Week 2	Test PQD API endpoints Test IDX APIs - Manage Flow Control, Manage Outbound Delivery, Participant Status, Event Notifications
Week 3	Test PQD API endpoints Test API Rate Limits Check Market Portal IDX Web interfaces - Data Exchange Transaction Log/Outbound Archive

Week Number	Activities
Week 4	Test PQD API endpoints Check Market Portal IDX Web interfaces - Data Exchange Transaction Log/Outbound Archive

4.3 Test scenarios

See Table below for a list of **suggested** test scenarios.

Table 7 Suggested Test Scenarios

Description
1. Verify IDX API Functionality • Submit POST request for BPQD Payload and verify message is received in expected format • Get message Metadata • Get a list of messages by priority • Delete messages from Participant's outbox for 'High' watermark message count; • Turn on and off the manual stop 2. Verify IDX Web App Functionality • Flow Control screen – display message count and check ability to turn on and off manual stop • Participant status screen – display message status and corresponding details • TransLog screen - perform filter, sorting and advance search actions; view and download the message; • Outbound Archive screen – perform filter and advance search actions, view archived outbound messages, download payload 3. Meter Churn Scenarios • Example: When MDP changes due to FRMP change, the previous MDP and new MDP to send daily BPQD data on the days they are responsible for the meter. The responsibility is on both MCs to ensure this happens. **Note:** The MC is not required to provide BPQD for a partial BPQD Period (on the day churn took place)

4.4 Data management

No Data Environment refresh is required within AEMO. IDX and BPQD functionality and related data are all new.

4.5 Communication and support

Test support for the Industry Test period will be provided from Mon 18th May 2026 to Friday 26th June 2026 between 09:00 and 17:00 Hrs (AEST) on business days.

AEMO will also establish direct communication channels as set out in the following sub-sections.

4.5.1 Daily Q&A / Test status meetings

AEMO will establish daily Q&A meetings. Invitation to these meetings will be sent to the list of contacts provided by each organisation participating in the Industry Testing.

NOTE: The BPQD daily meetings will overlap with FTA Industry Testing and Hypercare meetings, AEMO will aim to consolidate the BPQD daily Q&A meetings with FTA meetings for the May 2026 Release to allow participants who are participating in both initiatives to join.

Any participants wishing to attend the Q&A sessions can request an invitation by emailing NEMReform@aemo.com.au

Each call will follow a core agenda:

- Test execution progress
- Review of any issues preventing progress industry execution.
- Review of open defects
- Any other support required

4.5.2 Support contact details

Participants requiring support should raise issues during the Q&A meetings for industry testing or by emailing NEMReform@aemo.com.au.

For environmental issues, a participant will have to raise a ticket with AEMO's Support Hub.

4.5.3 Communication tool

AEMO will use the NEMReform mailbox to communicate with those participants registered for the Industry Test. These communications will include, but are not limited to, planned outages, status reports, meeting invitations.

The daily meetings (as per section 4.5.1) will be used to communicate any upcoming changes, releases or outages.

4.6 Defect management

The Industry Test is an opportunity for defects to be identified and closed prior to BPQD Rule Commencement. Industry testing defect management will be a collaborative effort, principally involving AEMO's and participants' testing teams, development teams and business analysis teams. There will, at times, be a need to consult other projects' team members for advice and assistance on the resolution of defects.

The objective of defect management is to resolve all defects within the project lifecycle. However, this objective must be balanced against other project objectives, such as achieving the schedule and the system impact and priority of the defect

(discussed below). The acceptable level of defects within each stage of testing will be defined as part of the 'exit criteria' for that stage.

AEMO will manage and report on all defects identified during test execution. Where it is determined that it is not an AEMO defect, AEMO will coordinate with market participants to obtain the status of the defect.

4.7 Defect management approach

4.7.1 Raising defects

Defects raised during the industry testing will be captured in Jira or on the daily Q&A pack, with the following information:

- Description of defect
- The test scenario and/or test script associated with the defect

  Note: Screenshots would be helpful to include to assist in troubleshooting. AEMO recommends to mask any personal data for security reasons.
- Who detected it and the date it was detected
- Defect owner (entered after gaining agreement between testing counterparties as to who owns the defect)
- Target fix date (if known, entered by defect owner)
- Defect severity
- Defect priority
- Defect status
- Defect root cause (entered by defect owner).
- Defect assigned to (nominated AEMO representative confirmed before commencement of industry test).

For BPQD implementation, the term "defect" is used broadly to include defects that would ordinarily fall outside of a narrow "IT" definition. For example:

- Information could be captured regarding lack of required support. This affects test execution from a timing perspective; and
- Testing may indicate that an automated business process needs manual intervention to work correctly and given constrained timings an automated fix cannot be developed and tested in time for go-live. Information such as this can feed into the deployment\cutover planning for go-live.

As a general principle, any information that occurs during industry testing and assists with risk mitigation for the "go-live" solution may be captured.

Defect statuses and progress on defect fixes will be discussed in the daily test status meetings.

4.7.2 Defect triage

Defect triage occurs during the daily test status meeting. Test scenarios that are blocked with critical or high priority defects will be discussed in the meeting. The defect owner and the target fix time will be agreed for critical and high priority defects blocking test execution.

Participants and AEMO should review defects frequently on daily basis and update the target fix date/time in Daily Industry Test Q&A pack for everyone's reference.

See Section 4.76 Defect Process Workflow.

4.7.3 Defect escalation

All open defects will be discussed in the daily test status meeting. If a critical/high priority defect can't be resolved within the agreed timeframes, it can be escalated in the daily test status meeting. If required AEMO will arrange a separate defect triage meeting with the relevant participants to see that the defect is resolved quickly to progress test execution.

4.7.4 Defect severity and prioritisation

Defects will be classified according to severity and where there are multiple within a severity, they will be address based on severity by the participant test leads in consultation with other affected participants, as described in Table 8. Priority will indicate the degree to which the defect affects both the system capability, testing execution and the overall project. Priority is determined by assessing probability of system and the business impacts. Tables 9 describes each priority classification.

Table 8 Defect severity classification

Severity	Definition
1- Showstopper	Defect is considered critical to business operations and/or testing. Core business and project impact.
2-Major	Defect is considered high impact to the business operations and/or testing. However, core business processes are still able to be completed (possibly via workarounds, etc.) and some testing is still able to continue.
3-Moderate	Defect is considered moderate impact to the business operations and/or testing. Core business processes are unaffected, and workarounds available, with testing still able to continue.
4-Minor	Defect is considered low impact to the business operations and/or testing. Core business processes are unaffected, and testing is still able to continue.

Table 9 Defect priority classification

Priority	Definition
1- Blocker	Entire functionality is blocked, and no testing can be conducted. Fix/resolution turnaround time best endeavour effort in first 4 hours or provide update on impact.
2-Highest	Defect is considered high impact to testing, multiple tests are blocked/failed due to the defect and no workaround is available
3-High	Defect is considered high impact to testing one or more tests can be linked to the defect, but workaround is available, and testing is still able to continue.
4-Medium	Defect is considered moderate impact to testing with one or more tests can be linked to the defect, but workaround is available and none of these tests are currently a priority.
5-Low	Defect is considered low impact to testing, no tests are failed or blocked due to this defect.

Post triage and acceptance of a defect, a resolution date will be added and published in the daily status report for all identified defects.

4.7.5 Defect management status

Table 10 shows the valid defect management statuses

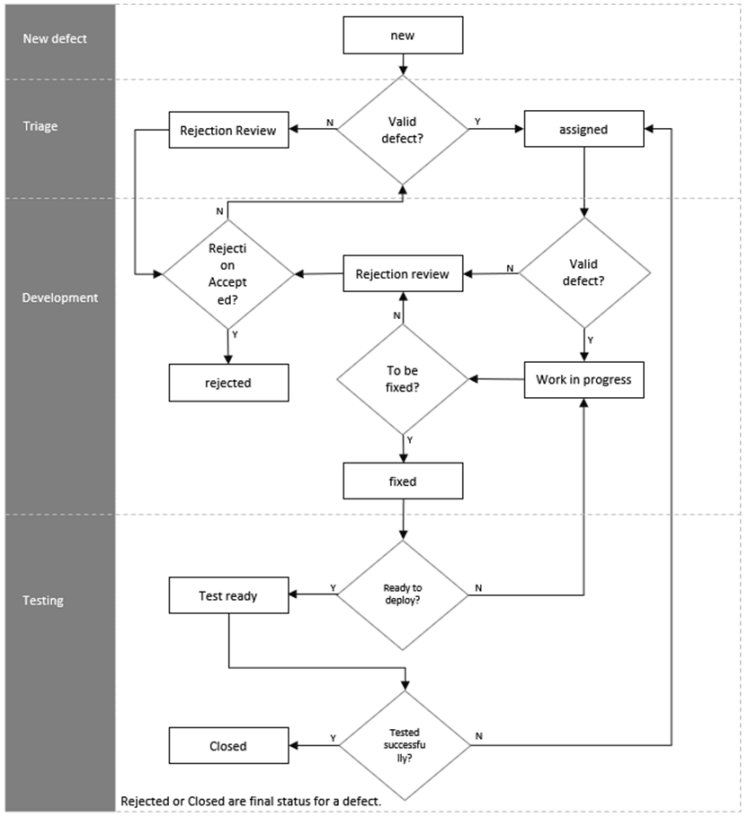
Table 10 Defect management status

Status	Definition
New	Initial defect raised but will require a triage to determine if further analysis is required and whether it is a true defect as such to move to an assigned status.
Assigned	Defect will be assigned to the appropriate development team to be addressed further assessed and progressed.
Work in Progress	This status means, a team is working on the item (analysis or fixing)
Rejection Review	After Triage or review by developer the defect is not considered valid the defect will be assigned to the status of 'Rejection Review' and assigned to the participant who raised the defect to accept rejection or update defect to allow it to be 'assigned'.
Rejected	If a participant accepts a defect is not valid, they can confirm the acceptance of the defect rejection with AEMO.
Fixed	This indicates the release of the fix is ready for deployment to a test environment.
Test Ready	Once the fix is released to test environment successfully the status is set to 'Test Ready' and assigned to the participant who raised it.
Closed	If the participant (defect originator) is satisfied that the testing of the defect is successful they should update the defect

4.7.6 Defect process flow

Figure 1 shows the defect management process throughout the various defect management statuses of the defect lifecycle from its inception through to its closure.

Figure 1 Defect management cycle



4.7.7 Defect cause

Defect root cause will be updated in Jira defect once the defect cause is identified. This will help with the defect metrics to identify the impacted area of the issues/defects identified in the testing. Table 11 shows the available defect causes and their descriptions.

Table 11 Defect cause

Defect Cause	Definition
Design	The design of the process does not meet the requirements specified. Defect may include examples, algorithm (incorrect calculation), error handling, creation/release of object or memory, decision logic error, loop control, procedure call, failing to validate data values before being used.
Configuration	The intended outcome of the configuration is not met.
Data	There are system data issues for the process that may prevent test completion.
Requirements	Unclear or incorrect requirement, Functional and Business specification documentation.
Infrastructure/Hardware	Defect is not in the object being tested but, in the test, set up, for example the wrong configuration or version control of platform, operating system, browser, hardware or networking, system is down, or the environment is down.

4.8 Suspension criteria and resumption requirements

AEMO in consultation with the ITWG will determine if a complete or partial suspension of testing is required during market testing and will also determine when testing will continue. Suspension and resumption criteria and actions are described below.

4.8.1 Suspension criteria

Complete or partial suspension of testing may be required if:

- High density of defects is open impacting the number of test cases that can be executed.
- High severity (i.e. showstopper) or combination of defects open.
- Significant change to specifications (delaying release of software to the pre-production).
- Quality of software (rated by number of test cases failing).

If these circumstances arise, the following actions will be taken:

- AEMO will make a recommendation to suspend the test activities in consultation with ITWG
- AEMO will advise the industry participants of the potential delays due to the test suspension, and the impact of defect / defects concerned
- AEMO and the ITWG will support and coordinate the development and test efforts to resolve the defects raised.

4.8.2 Resumption criteria

Test resumption can occur after the issues that caused the suspension of testing have been resolved. If these circumstances arise, the following actions will be taken:

- AEMO will inform the testing participants of the successful deployment of the defect fix(es) and its successful verification.
- AEMO will inform the testing participants that the test environment is in a suitable condition to resume the suspended testing.
- AEMO in consultation with the participant who raised the defect, will inform the participants of the impact(s) of the defect fix on the previously executed test cases and suggest if any re-execution must be done.

A1. Test Management Activities

Table 12 below shows the activities which will occur during market testing and who is responsible for them.

Table 12 Test Management Activities

Activities	Description	Timing	Responsibility
Prepare Test Scenarios	Prepare test scenarios and test scripts.	Prior to the commencement of test phase execution	Participants Note this is a coordinated industry testing exercise where participants are responsible to define the test scope AEMO will provide guidance, suggested test cases and support
Identify data	Identify data sets for each test scenario and confirm with testing partners.	Prior to the commencement of test phase execution	Participants, AEMO may assist if required
Execute tests	Individual testers to perform test execution	Daily	Participants
Update progress	Progressively update the status of each script tested	Daily	Participants
Raising defects	Raising defects from failed scripts or any other root cause	Real time immediate as soon as the script has failed.	AEMO and Participants
Managing defects	Review defects logged to identify major defects and determine the impact of those defects.	Daily	AEMO and Impacted Participants
Retesting defects	Retesting defects once they are available to testers is a priority.	Defect retests are to be completed prior to commencing new scripts.	AEMO and Participants
Test phase entry	Complete entry criteria checklist	Prior to the commencement of test phase execution	AEMO and Participants
Test phase exit	Complete exit criteria check	At the completion of test phase execution	AEMO and Participants
Test status meetings	Test status meeting to be attended by test representatives from all participants to discuss progress, issues and defects.	Daily (or as detailed in the Test Plan)	AEMO and Participants

A2. Glossary

This document uses many terms that have meanings defined in the National Electricity Rules (NER). The NER meanings are adopted unless otherwise specified.

TERM	DEFINITION
AEMC	Australian Energy Market Commission
AEMO	Australian Energy Market Operator
API	Application Programming Interface
ASMD	Accelerating Smart Meter Deployment Rule to implement the recommendations of the AEMC's review of the metering framework in 2023
BPQD / PQD	Basic Power Quality Data, defined as voltage, current, and phase angle
CN	Common Name
CSR	Certificate Signing Request
Cutover	Process and steps for implementing Market Systems capability. Includes once-off data updates conducted in association with system deployments.
DM	Data Model
DNSP	Distribution Network Service Providers
Go-live	System and capability available in production environment, may take place prior to commencement dates.
IDAM	Identity and Access Management, an initiative within MITE
IDX	Industry Data Exchange platform, an initiative within MITE
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. For BPQD, this is intended to be "Coordinated Industry Testing" where AEMO helps with coordination with participants to progress industry testing
MITE	Market Interface Technology Enhancements
MSATS	Market Settlement and Transfer Solutions
MSR	Metering Services Review
NEM	National Electricity Market
ITWG	Industry testing working group
LMRP	Legacy Meter Replacement Plan
LNSP	Local Network Service Provider
Market Testing	Umbrella term covering industry testing, invitation industry testing and market trial
Market trial	Formal, industry coordinated test activities between participants' and AEMO's IT environments. Involves coordinated multi-party end-to-end testing of business process scenarios.
MITE	Market Interface Technology Enhancements
MC	Metering Coordinator
MDP	Meter Data Provider
MSR	Metering Services Review program, an AEMO initiative to implement the ASMD rule
Participant	The term 'participants' refers to all stakeholders involved in procuring, providing or other activities in the market
PC	Portal Consolidation
TLS	Transport Layer Security
URM	User Rights Management