



# Joint AEMO & Western Power GPS and GMP Information Session for Market Participants

29 July 2021

# Housekeeping

- Microphones on **mute** unless asking a question or commenting.
- **Cameras off** to ensure maximum bandwidth availability
- Post **questions on chat** and we'll respond as soon as possible.
- "Raise your hand" if your question or comment cannot wait for the appropriate Q&A session.
- State your **name and organisation** every time you ask a question or make a comment verbally.
- This information session will be **recorded** and may be shared with all Market Participants.

# Welcome

## Mike Reid

Market Readiness Advisor

WEM Reform Program

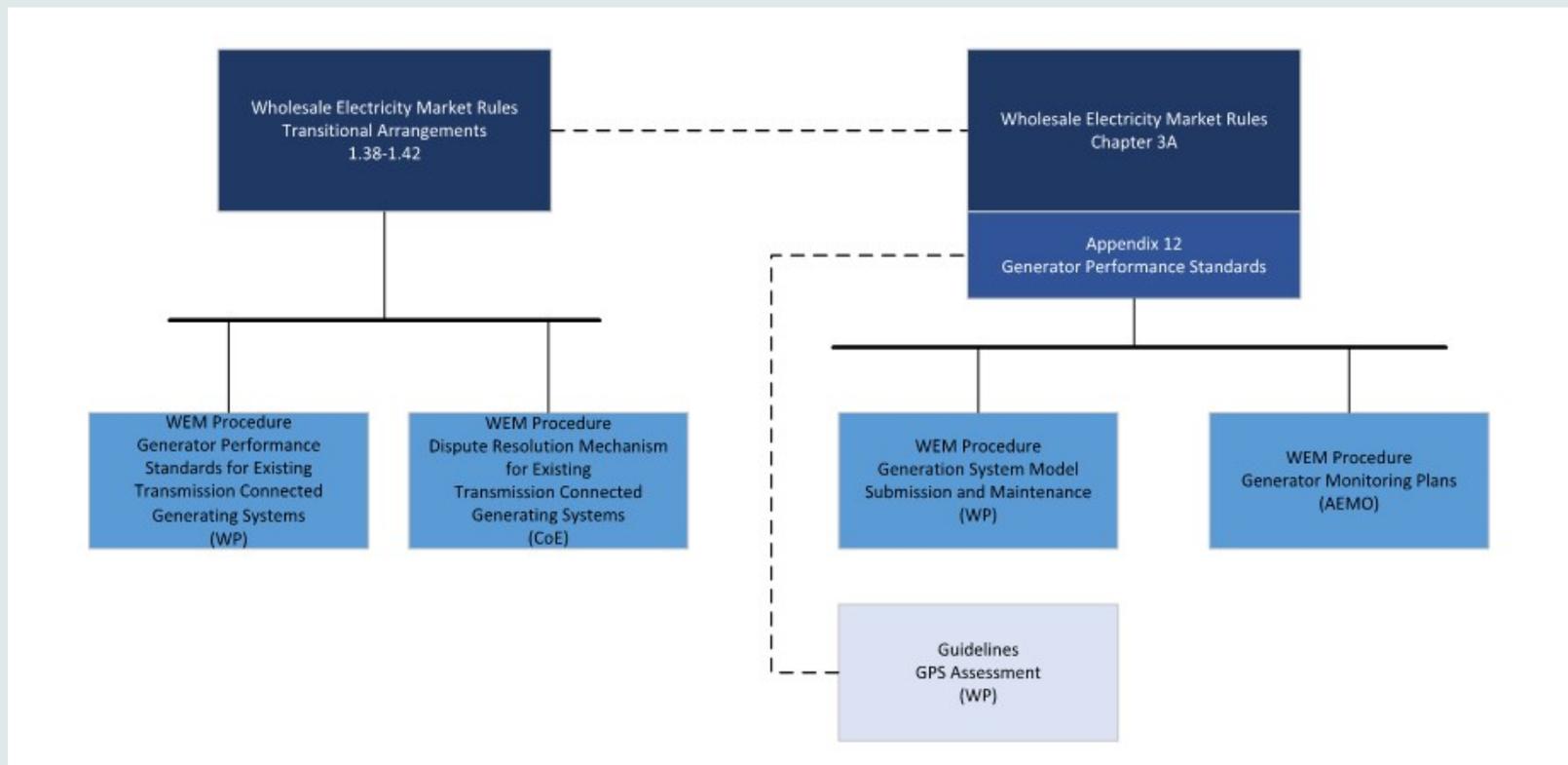
AEMO



# Rules Framework Overview

- Refresher on the core elements of the new framework
  - Who does the framework apply to
  - Negotiation framework
  - Compliance Monitoring
  - Relevant Generator Modifications
  - Transitional Arrangements

# Rules Framework Overview



# Rules Framework Overview

- Who does the framework apply to:
  - Transmission Connected Generation Systems
    - Generation systems connected to the Western Power transmission network
    - Based on where the connection point to the “system” is, not the size of the generators behind the connection point
  - Exemptions
    - May be granted by Western Power in consultation with AEMO
    - Relevant Technical Rule requirements may continue to apply if exempted from WEM Rules framework
    - May be revoked by Western Power following a Relevant Generator Modification
    - Exemptions notified to ERA for publication

# Rules Framework Overview

- Negotiation framework
  - New standards (ideal/minimum)
  - Allowance for different technology types, with obligation to get as close to ideal as reasonably possible
  - Shared negotiation role with WP/AEMO, however WP provides final approval/rejection as part of the connection process
  - WP holds the register of each Registered GPS (Generator Register) and shares with AEMO
  - May require re-negotiation following a Relevant Generator Modification

# Rules Framework Overview

- Compliance Monitoring
  - Testing to confirm capability to meet standards (Interim Approval/Approval to Generate)
  - Self-monitoring regime (Generator Monitoring Plans in accordance with template)
  - AEMO approve GMP in consultation with WP
  - Self-notification allows for compliance amnesty
  - Rectification Plans to rectify non-compliance
  - AEMO/WP can also centrally monitor for non-compliance
  - ERA investigate/enforce non-compliance

# Rules Framework Overview

- Transitional Arrangements

- Existing generators exempt from requirements to comply with new standards
- Must negotiate with WP on standards reflecting the time they were connected
- Must establish Generator Monitoring Plans based on registered standards
- Coordinator of Energy establish external arbitrator to support negotiation process and make determinations on standards and monitoring plans where necessary
- Extensions to deadlines may be granted where sufficient progress can be demonstrated

Key dates:

New WEM Rules Framework "Live"	February 2021
Deadline for establishing registered GPS	January 31 2022*
Deadline for submitting proposed GMP	July 31 2021*
Deadline for establishing approved GMP	July 31 2022*

\* Subject to agreed extension requests

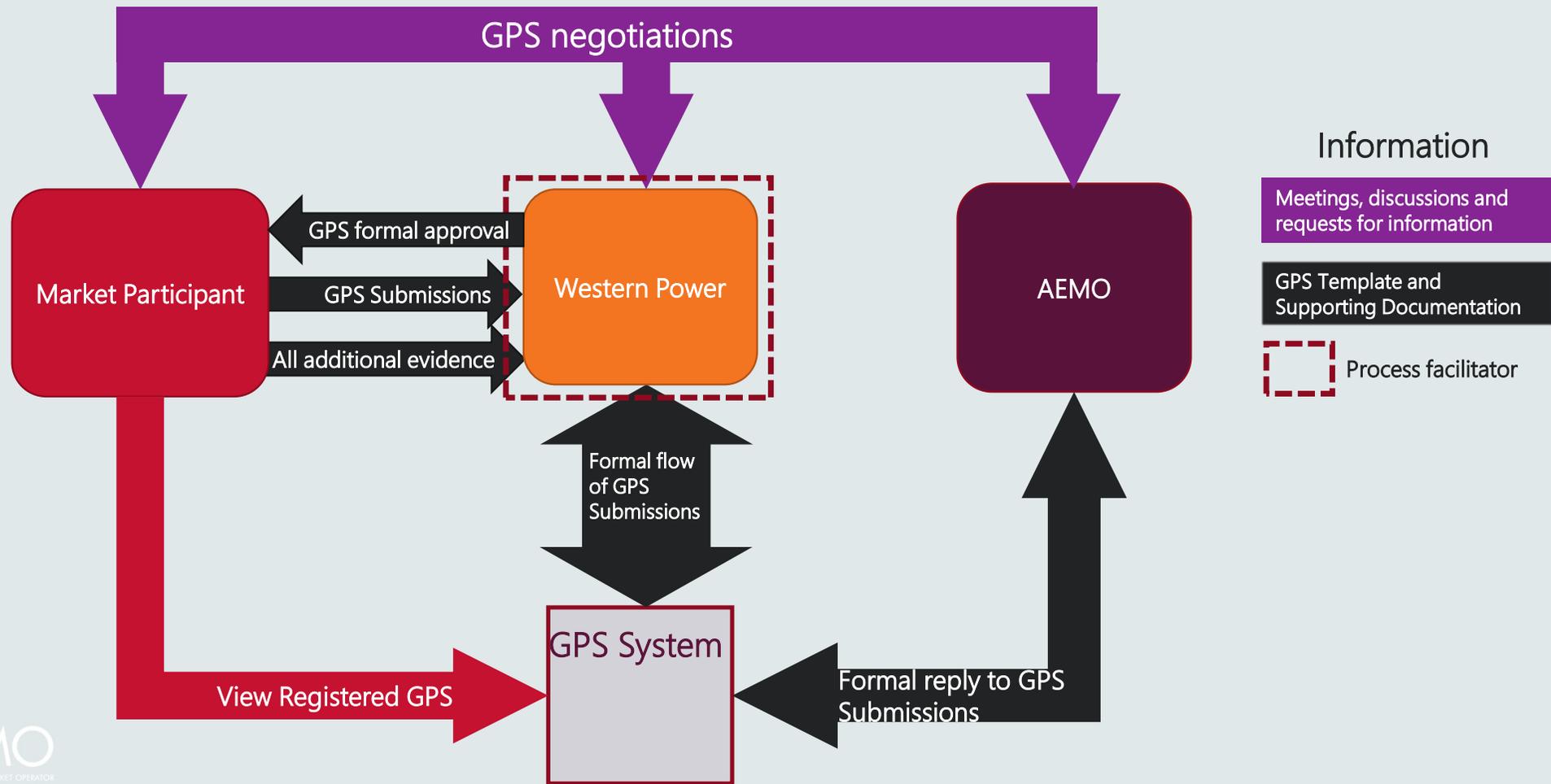
# Western Power Update, Q&A

# Rules Framework

## Processes, Sequencing, Workflow

- 4 Key Processes
  - Generator Performance Standard (GPS) Submission and Approval
  - Generator Monitoring Plan (GMP) Submission and Approval
  - Non-Compliance (NC) Submission and Approval
  - Rectification Plan (RP) Submission and Approval

# GPS - Workflow



# Generator Monitoring Plan

- The **Generator Monitoring Plan (GMP)** means a monitoring plan for a Transmission Connected Generating System in respect of the Registered Generator Performance Standards that apply to the Transmission Connected Generating System.
- **Generator Monitoring Plan** replaces the **Generator Compliance Monitoring Program**.
- The WEM Procedure: Generator Monitoring Plans captures the **Template Generator Monitoring Plan** and the submission process.
- The GMP submission is a staged process and may overlap with the GPS Submission process.

# GMP - Stages of interaction

## 0 Preparation of GMP submission

Market Participant fills up the GMP Form and collects supporting documentation



## 1 Submission of Proposed GMP

Market Participant submits the Proposed GMP to AEMO for review and feedback.



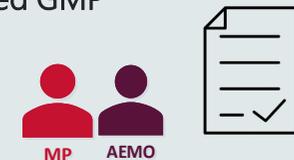
## 2 Consultation of Proposed GMP

AEMO may consult with Western Power for review and relay feedback to the Market Participant.



## 3 Registration of Approved GMP

AEMO approves the GMP and registers it in the GPS System.

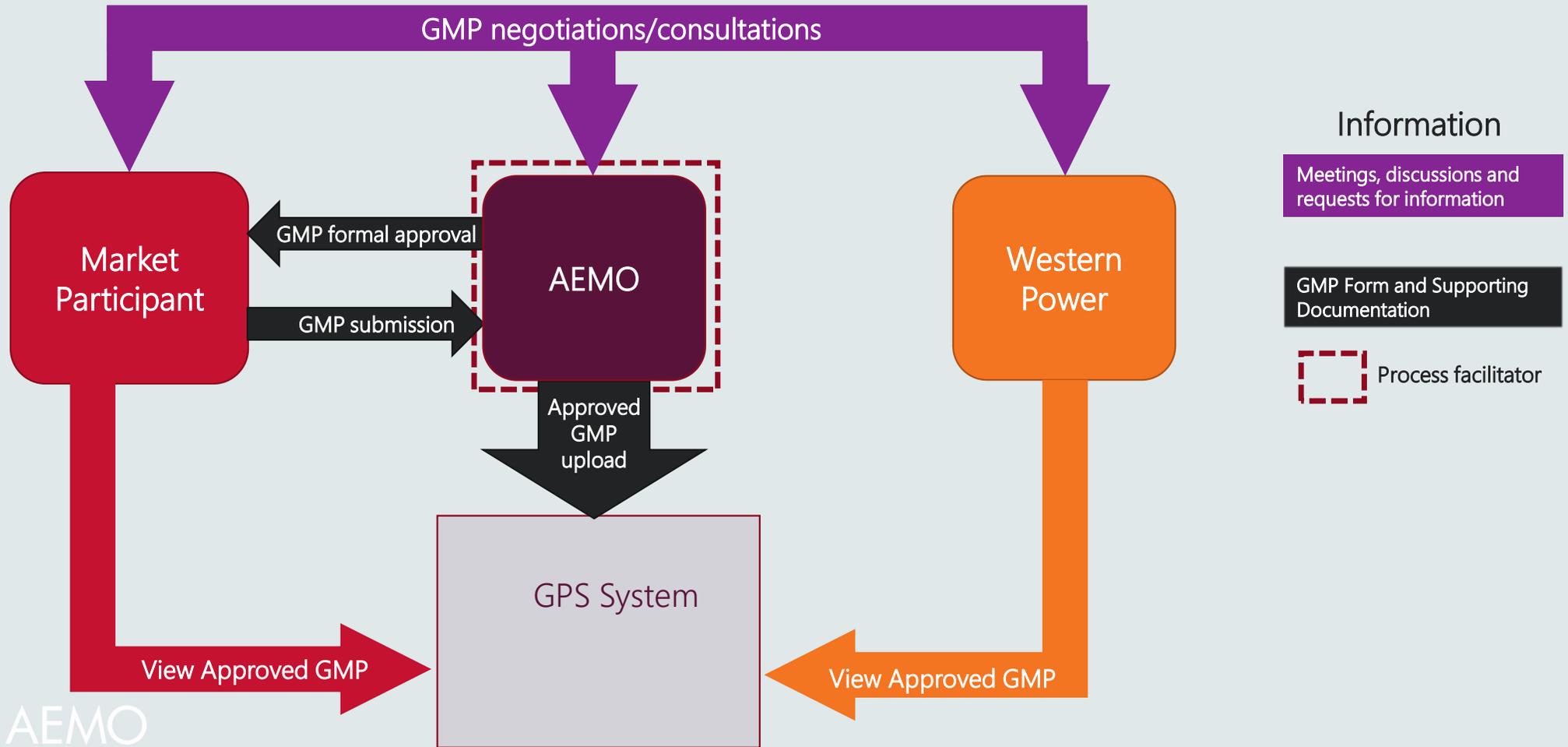


## Relevant stakeholders



GMP = Generator Monitoring Plan

# GMP Workflow



# GMP Form & Submission

- The GMP Form template and Guide is available on AEMO WEM website
  - <https://aemo.com.au/energy-systems/electricity/wholesale-electricity-market-wem/system-operations/generator-monitoring-plans>



- Market Participants will be able to submit the GMP Form and Supporting Documentation securely using AEMO SharePoint.
- An email will be sent to Market Participants with instructions to access SharePoint.

# GMP Extensions

MP Deliverable	Latest expected Date (reflecting recently granted extensions)	Request for extension Due Date (reflecting recently granted extensions)	Reference
Proposed GMP	1 December 2021	1 November 2021	WEM Rules clause 1.41.3.
Approved GMP	1 December 2022 <sup>(1)(2)</sup>	3 November 2022 <sup>(3)</sup>	WEM Rules clause 1.39.7

(1) unless AEMO approves further extension

(2) the date that is 12 months after the date on which the Market Participant submits their proposed GMP to AEMO for approval

(3) the date that is 20 Business Days before the approved GMP deadline date

- Market Participants must submit the request for extension to AEMO
- Requests for extension must demonstrate reasonable progress towards submitting the GMP and a requested date for submission.

# Non-compliance - Stages of interaction (Self-reporting regime)

## 0 Observation of a suspected/actual non-compliance

Market Participant to prepare NC submission, OR AEMO lodge NC submission draft, OR WP to let AEMO know about a non-compliant behaviour



## 1 Non-compliance submission

Market Participant makes the NC submission to AEMO via the GPS System for review and feedback.



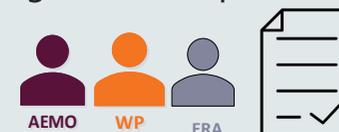
## 2 Non-compliance assessment and decision

AEMO assesses the NC and may consult with Western Power for review before providing feedback to the Market Participant via the GPS System.



## 3 Informing ERA and WP about alleged non-compliance

AEMO issues an Alleged NC in the GPS System and informs ERA and Western Power.

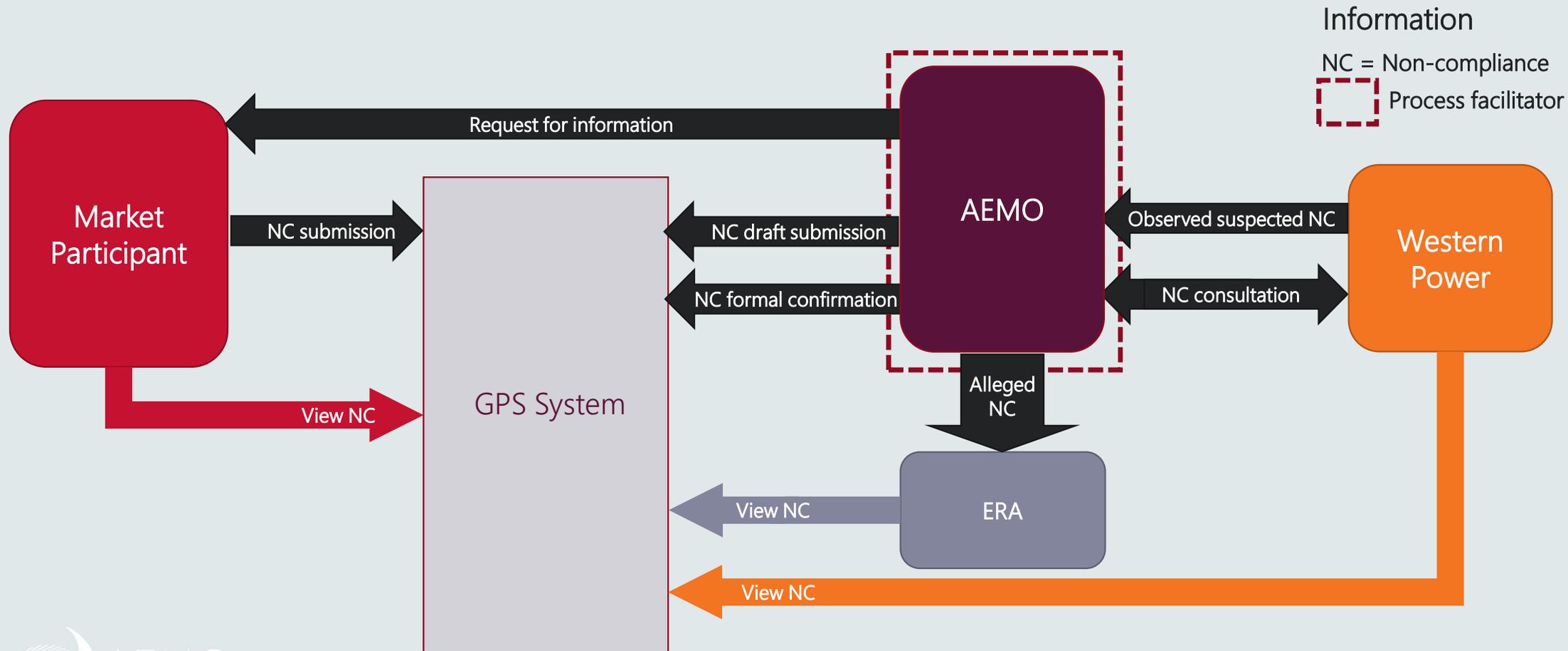


### Relevant stakeholders



NC = Non-compliance

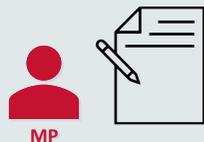
# Non-Compliance Workflow (Self-reporting regime)



# Rectification Plan - Stages of interaction

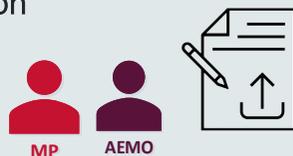
## 0 Determination of a Rectification Plan

Market Participant can express an intent to submit an RP in the NC form and AEMO assesses the NC to be alleged.



## 1 Rectification Plan submission

Market Participant makes the RP submission to AEMO via the GPS System for review and feedback.



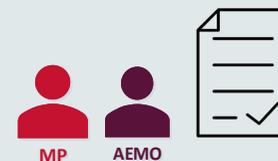
## 2 Rectification Plan assessment

AEMO assesses the RP and after consultation with Western Power provides feedback to the Market Participant via the GPS System.



## 3 Rectification Plan approval

AEMO informs Market Participant via the GPS System that the RP has been approved.



## Relevant stakeholders



Market Participant



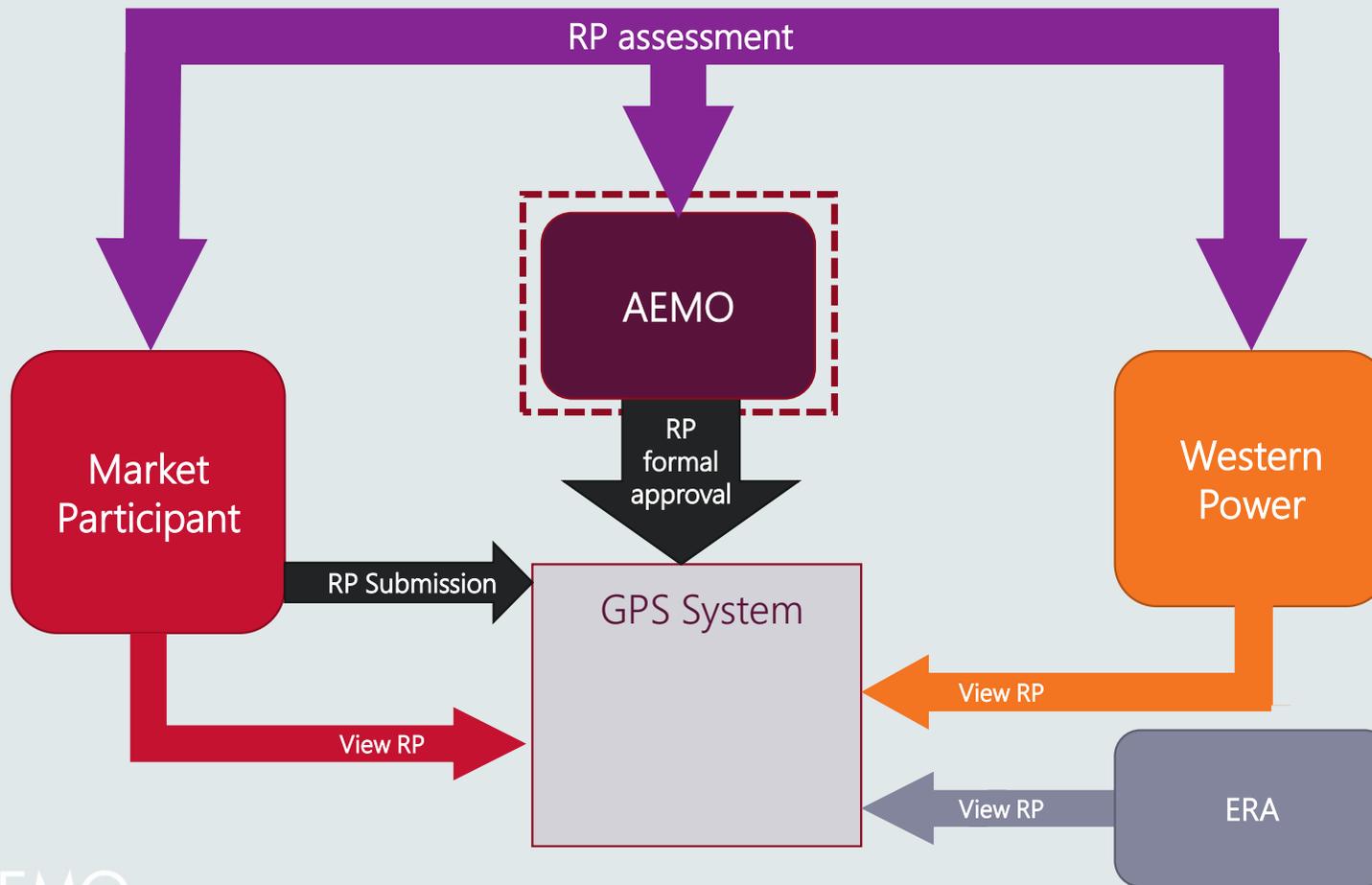
Western Power



AEMO

NC = Non-compliance  
RP = Rectification Plan

# Rectification Plan Workflow



Information  
RP = Rectification Plan  
[ ] Process facilitator

# GPS System Go Live

- Live from today (29 July)
- Market Trial availability

# Q&A

- Thank You
- Contact us:
  - For GPS, GMP, Non-compliance, Rectification Plans and other technical queries contact [WEM.GPS@aemo.com.au](mailto:WEM.GPS@aemo.com.au)
  - For any queries regarding formal GMP extensions, please contact System Management Operations on 1300 989 797 (option 2) or [wa.sm.operations@aemo.com.au](mailto:wa.sm.operations@aemo.com.au)