

## MEETING OUTCOMES – SYSTEM OPERATIONS

MEETING: WAMRP System Operations Forum 1  
 DATE: Tuesday, 18 October 2016  
 TIME: 9:00 am – 12:00 pm AWST  
 LOCATION: AEMO Boardroom – Level 17, 197 St Georges Terrace, Perth

### ATTENDEES:

NAME	COMPANY
Clayton James	AEMO
Courtney Roberts	AEMO
Greg Ruthven	AEMO
Steve Disano	AEMO
Chris Stewart	AEMO
Michael Lyons	AEMO (teleconference)
Ross Gillett	AEMO (teleconference)
Ben Blake	AEMO (teleconference)
Catherine Chalmers	AEMO (teleconference)
Hamish McNeish	AEMO (teleconference)
Bryan Connell	AEMO (teleconference)
Christian Schaefer	AEMO (teleconference)
Terry Day	AEMO (teleconference)
James Lindley	AEMO (teleconference)
Phil Hayes	AEMO (teleconference)
William Street	Alinta Energy
Gareth Williams	Alinta Energy
Ignatius Chin	Bluewaters Power
Adam Stephen	Bluewaters Power
Zhang Fan	Collgar Wind Farm
Steve Gould	Community Electricity
Wendy Ng	ERM Power
John Nguyen	Perth Energy
Matthew Fairclough	Public Utilities Office
Jenny Laidlaw	Public Utilities Office
Andrew Woodroffe	Sky Farming
Susanna Floth	Sky Farming
Andrew Everett	Synergy
Brad Huppatz	Synergy
Jacinda Papps	Synergy
Matt Pember	System Management
Neil Duffy	Transalta
Paul Gower	Vinalco Energy
Peter Huxtable	Water Corporation
Dean Frost	Western Power
Matt Pember	Western Power
Brendan Clarke	Western Power
Hayley Mitchell	Western Power

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## 1. Welcome

## 2. Purpose of System Operations Forums

- Introduction on System Operation forums as per meeting slide pack.

## 3. Operational Systems Overview

- What protocol do the RTU's use? This sits with Western Power and is not being modified as part of this work.
- Outage approval processes based on WEM rule requirements will be built into NEM systems (e.g. NOS).

## 4. Power System Security Management

- Power System Operating Procedures (PSOPs) will need be updated to capture the actions AEMO are permitted to take to ensure the South West Interconnected System (SWIS) operates in a secure state.
- Ben Blake – Low Reserve Conditions (LRC's) use the POE10% forecast, (the more extreme forecast).
- Pre-dispatch information is available to participants on MarketNet. Additional information is also published such as a range of sensitivities (eg. adjustment in prices). Stakeholders agreed that this information would be useful.
- Plain English tool used in the NEM to convert constraint equations used to model the electricity network into something more readable. This has proven to be a very useful tool.

## 5. Modelling and Forecasting

- Presentation as per meeting slide pack.
- The key differences between MT PASA in the WEM and the NEM were highlighted. There is a preference for more granular timeframes to be included in the new rules (aligned with current NEM rules).

## 6. Power System Dispatch/AGC and Ancillary Services

- Presentation as per meeting slide pack.
- The Western Power transmission controllers will continue to engage with generators about network related activities. Western Power will play an active role for voltage control in the new market.
- Stakeholders requested that the same type of communication used currently be maintained by AEMO in the new market.
- The existing AGC controls in the Western Power SCADA have a number of specific configurations based on the existing WEM Rules. The project is investigating the differences in AGC SCADA requirements between existing WEM and NEM. The concepts are likely to be the same but terminology might change. We will be getting more information out to stakeholders on this in future forums.

- Droop governors in WEM vs NEM, it is likely that governors will still be required to be enabled. Governor deadband arrangements are different in the WEM and NEM (Brad Hupp) In the NEM they are entitled to disable it. The key difference between Droop and FCAS is timeframe, Droop response is only required for a very small time period where FCAS services cover much longer time periods. This is being worked through as part of the Network Regulations work being done by the PUO. The current regulatory regime covers the period up to market start.
- AEMO will analyse gaps in data between the WEM and NEM and request more information from participants where required such as modelling data. Aligning terminology between the two markets will be a part of this exercise.

## **7. Other Business**

- Stakeholders requested more information be provided around 7-5 minute signalling and look ahead signalling for AGC dispatch purposes.

## **8. Next meeting**

- 13 December 2016