Demand Side Participation Information (DSPI)

August 26th FRG meeting

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Background

Timing	Stage	Responsible
Jul 2017	DSPI Guidelines published	AEMO
Apr 2018	First submissions to DSPI portal	Participants
Today	**FRG – outlining proposed changes to DSPI Guidelines**	**AEMO**
Sep-Nov 2020	DSPI Guidelines consultation	AEMO & Participants
Jan-Feb 2021	Implement changes to DSPI portal	AEMO
Apr 2021	Submissions to DSPI portal	Participants

NOTE: Today's focus is on DSPI, not DSP

Consultation on AEMO's DSP forecast methodology has just been completed.

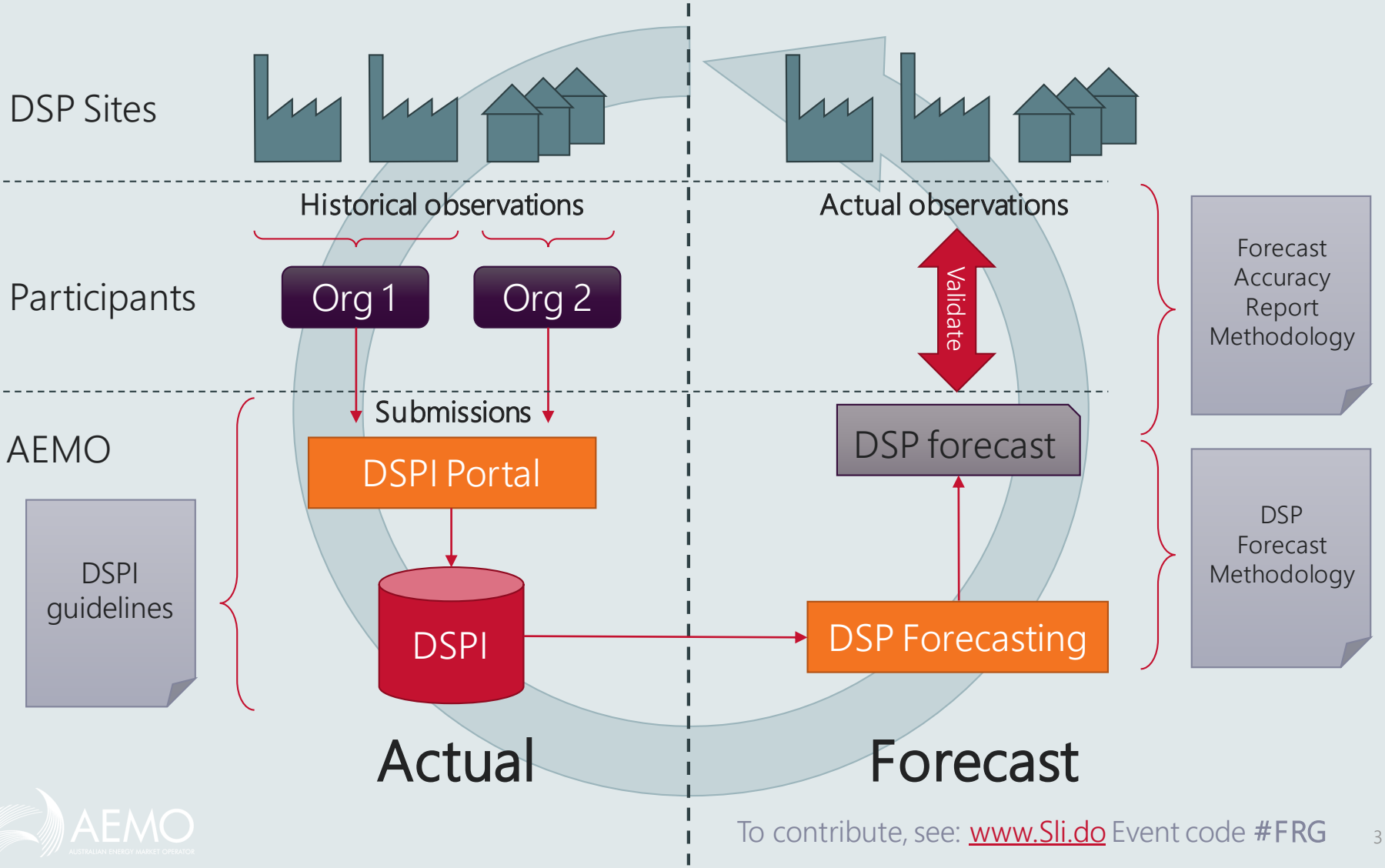
Today's presentation is to outline and discuss the proposed changes to the DSPI Guidelines, AEMO is about to consult on.

This will help participants write more informed submissions.

Agenda:

- Background
- Changing environment
- Proposed updates to Guidelines
- Proposed updates to Portal
- Next steps

DSPI in AEMO's DSP forecasting process



Changing energy environment

Updates to DSPI Guidelines are required to reflect two recent rules changes:

1 - Wholesale Demand Response (WDR)

- AEMO must use DSP Information in its load forecasts. Some must include WDR, others must exclude it. The portal should allow AEMO to forecast DSP both with and without WDR.
- The WDR rules change:
  - Broadens 'DSP' from load curtailment to adjustment, i.e. DSP now includes load increase.
  - Broadens the requirement of DSP statistics to be published by AEMO.
  - Allows AEMO to establish a process for 'a statement of no DSP'

2 - Retailer Reliability Obligation (RRO)

- DSP can only be an RRO qualifying contract if it is registered in AEMO's DSPI portal

The WDR rules change requires AEMO to review, and if required, amend and publish the DSPI Guidelines no later than 31 December 2020, to take effect on and from 31 March 2021

Proposed changes to the DSPI guidelines (1/3)

Alignment with WDR and RRO

- Challenge: No visibility to AEMO of WDR component of total DSP
  Not possible for participants to register RRO qualifying contracts
- Direction: AEMO intends to allow participants to tag each current and future (see below) DSP program as WDR or RRO qualifying contracts where relevant, allowing AEMO to meet requirements set in the NER.

Enhanced information about future programs

- Challenge: Currently limited information submitted, and it can only be submitted as text, which makes inclusion subject to interpretation.
- Direction: AEMO intends to ask for a wider range of data (including whether WDR or RRO), including potential response (in MW) as numerical values. This will help AEMO identify any growth in DSP that should be accounted for in its ESOO or ISP processes.

Reporting of "load-on" DSP programs

- Challenge: Current data structures not designed to handle positive and negative values and specifying load-on DSP types.
- Direction: AEMO intends to update the data-model and interface, so participants can report load-on DSP in addition to load curtailment DSP. Load-on DSP can be an important means to address system security issues arising due to the forecast decline in minimum demand.

Proposed changes to the DSPI guidelines (2/3)

Update to DSP categories

- Challenge: The categories defined in 2017 included on for larger programs. This doesn't provide any clarity on what type of DSP it is, making it difficult for AEMO to use (is it within AEMO's DSP definition or not?) and published statistics less relevant.
- Direction: AEMO intends to revise the categories, removing the "large" programs category and making the other categories more generic, so for example both retailers and network operators can report controllable load. It will provide more clarity to AEMO on what programs to include in its modelling and allows improved reporting of DSP statistics.

Requirement to report DSP by region

- Challenge: Currently, it is possible to enter programs that span multiple NEM regions. This makes it difficult to align program meta data (in particular the potential response in MW) to a particular region, which is used to validate AEMO's forecast DSP with reported values.
- Direction: AEMO intends to require programs to be submitted by region, improving both statistics and AEMO's ability to validate forecasts.

Requirement to report potential response (in MW) for some DSP categories

- Challenge: There is no requirement to submit potential response in DSP submissions. AEMO uses this number for validation and statistics.
- Direction: AEMO intends to make it mandatory for certain DSP categories (where this is expected to be known) and split it into firm (contracted) and maximum response for improved clarity.

Proposed changes to the DSPI guidelines (3/3)

Alternative process for participants to confirm if they have no DSP

- Challenge: Current process for portal access can be seen as a barrier for reporting DSP information and many registered participants will have no DSP to report. Difficult to comply, for example for smaller organisations focussing on generation development.
- Direction: AEMO intends to supplement the portal solution with a simpler way of providing AEMO with a statement of "no DSP".

Keeping portal open for submissions all year

- Challenge: The suggestion for AEMO to keep the portal open all year round to allow submission of updated DSP information was raised during the DSP Methodology consultation. AEMO's current system and processes does not allow that.
- Direction: AEMO outlines two options, seeking stakeholder preferences:
  i. Status quo, where portal only accepts submissions during April and updates to be sent by email; and
  ii. Updates to AEMOs systems to allow updates at any point in time. The increased cost of this solution will improve data governance.

Participant contact details

- Challenge: Difficult to follow up with submitters as AEMO often doesn't know who is responsible for a submission.
- Direction: AEMO intends to make it mandatory in each submission to add name and contact details for the person any questions regarding the content should be addressed to – and will be used as contact list for sending reminders the following year.

Improvements to DSPI portal

While not subject to consultation, AEMO is keen to improve the DSPI portal user experience, and propose the following improvements:

Optional process for bulk uploading of data

- Challenge: Current process for uploading of program data, is for one program at a time. This is time consuming for participants with many programs.
- Direction: AEMO proposes providing optional alternative mechanisms for uploading data, using a 'bulk header file' and 'bulk NMI file' (and if required a 'bulk event file'). Under this arrangement, participants would be able to choose to upload

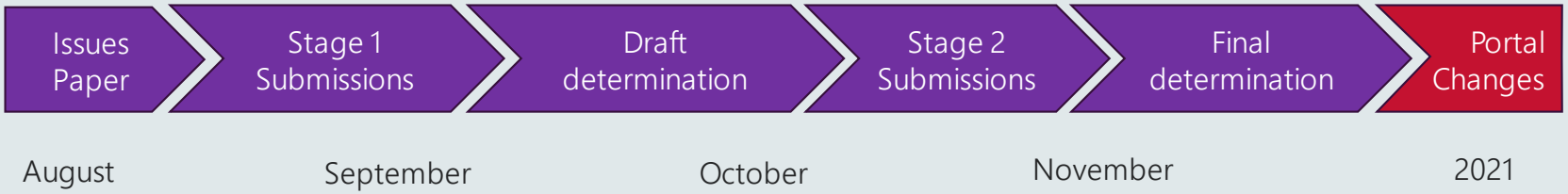
Improved resources for portal users

- Challenge: Infrequent need to use, and complexity of portal, increase risk of reporting insufficient or wrong data to be submitted.
- Direction: AEMO intends to make more resources available to users to make submission of correct DSP data easier, including efficient use of portal and clarify of definitions. This documentation will be communicated to contact persons, FRG members and otherwise linked from the DSP portal.

Stakeholder discussion and next steps

- Any points that need further clarification?
- Are the justifications clear?
- Anything that has not been addressed, which should be included?

Indicative timeline



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