



ERCF Meeting 5

12 March 2020

Agenda

No	Time	Agenda Item	Responsible
Preliminary Matters			
1	12:30pm – 12:40pm	Welcome, introductions & apologies	Meghan Bibby (AEMO)
2		Confirm agenda (Ref #1)	Meghan Bibby (AEMO)
3	12:40pm – 1:00pm	Actions from previous meeting (Ref #2)	Meghan Bibby (AEMO)
Matters for Noting			
4	1:00pm – 1:05pm	MSATS Standing Data Review	Michelle Norris (AEMO)
5	1:05pm – 1:10pm	ICF_013: Cancellation of CR6800 over 220 days where it is associated with an end of life meter replacement	Noura Elhawary (AEMO)
6	1:10pm – 1:15pm	Customer Switching update	Meghan Bibby (AEMO)
7	1:15pm-1:35pm	5MS update	Anne-Marie McCague (AEMO)
Common Items			
8	1:35pm-2:00pm	ICF Register (Ref #3)	Meghan Bibby (AEMO)
MSATS Only Items			
9	2:00pm-2:20pm	ADL at datastream level	Meghan Bibby (AEMO)
Metrology & Service Level Procedures Items			
10	2:20pm-2:40pm	CIP_M001: Process to detect illegal reconnections (Ref #5)	Dino Ou (Endeavour)
11	2:40pm-3:00pm	ICF_022: Theft Error (Ref #6, Ref #7)	Mark Riley (AGL)
12	3:00pm-3:20pm	ICF_023: Process when remote collection of metering data fails (Ref #8)	Dino Ou (Endeavour)
13	3:20pm-3:40pm	ICF_025: N Quality Flag (Ref #9)	Simon Tu (AEMO)
Other business			
14	3:40pm-4:00pm	General questions & next meeting	Meghan Bibby (AEMO)

Preliminary Matters

Actions from previous meeting

	Topic	Action	Response
4.6.1	Table 4-J of CATS Procedures	AEMO to look into rectifying changes made to Table 4-J of the CATS Procedures as part of the Metering ICF package.	Closed. Included in Customer Switching Final Determination (Table 4J – Meter Register Status Codes).
4.6.2	Information about prioritised items	AEMO to provide additional information about items in prioritisation session for which no ICF was provided.	Closed. Circulated as part of November 2019 meeting notes and March 2020 meeting pack.
4.8.2	ICF_015 progression	AEMO to investigate where ICF_015 would be delivered (i.e. as part of Customer Switching, MSATS Standing Data Review, or other).	Closed. This was considered as part of MSDR.
4.9.2	BADPARTY objection costs	AEMO to investigate costs for reinstating BADPARTY objections for VIC SMALL sites.	Extended. Investigating, albeit this was not raised during Customer Switching.
4.10.1	ICF_017 reporting	AEMO to investigate whether the issues raised in ICF_017 can be resolved purely via reporting.	Extended. Interim solution in place. Awaiting further advice from Metering.

Actions from previous meeting (cont.)

	Topic	Action	Response
4.12.1	ICF_019 expedited consultation process	AEMO to seek legal advice on whether the changes needed as part of ICF_019 could follow an expedited change process.	Closed. ICF_019 can't be expedited. A normal consultation timeframe would be required if ICF_019 continues.
4.14.1	ICF_021 requirements	Dino Ou (Endeavour Energy), Travis Worsteling (EnergyAustralia), Mark Riley (AGL), and Joe Castellano (Origin Energy) are to determine a solution that meets the requirements for ICF_021.	Extended. Discussion occurred offline but no conclusion reached.
4.14.2	ICF_021 reason for introducing change	AEMO is to investigate why the changes to clauses 13.2.2, 13.3.2, and 13.5.2 were made as part of 5MS Metering Package 2 consultation.	Closed. Changes made as per submissions from Origin, Energy Australia and AGL to draft stage of 5MS Metering Package 2 consultation.
4.15.1	Meeting schedule calendar	AEMO will issue an updated meeting schedule for 2020.	Closed. Schedule to be made public by AEMO Stakeholder relations.
4.15.2	ERCF forward work program	AEMO to write a timeline explaining what the ERCF will discuss at each of its 2020 meetings.	Closed. A forward work program has been established.

Outstanding actions

	Topic	Action	Response
3.3.1	ERCF Change Process	AEMO to notify ERCF of updated change process once it is published	Closed. Available here .
3.4.1	Customer Switching schema change	AEMO provide an update regarding whether Customer Switching would require an MSATS schema change.	Closed. Customer Switching requires a schema change due to adding items to NMI Discovery.
3.9.1	CIP_M001 updates	Dino Ou (Endeavour Energy) to amend the CIP_M001 change such that it imposes the obligation on the Metering Data Provider instead of the Metering Coordinator and resubmit as an ICF for the November prioritisation.	Closed. Dino has provided CIP.
3.9.2	MDP datastream obligation clauses	Stephanie Lommi (Alinta Energy) to provide to Dino Ou (Endeavour Energy) the clause numbers regarding Metering Data Providers' obligation to make datastreams active once they are sending data.	Extended. Awaiting response

Forward work program

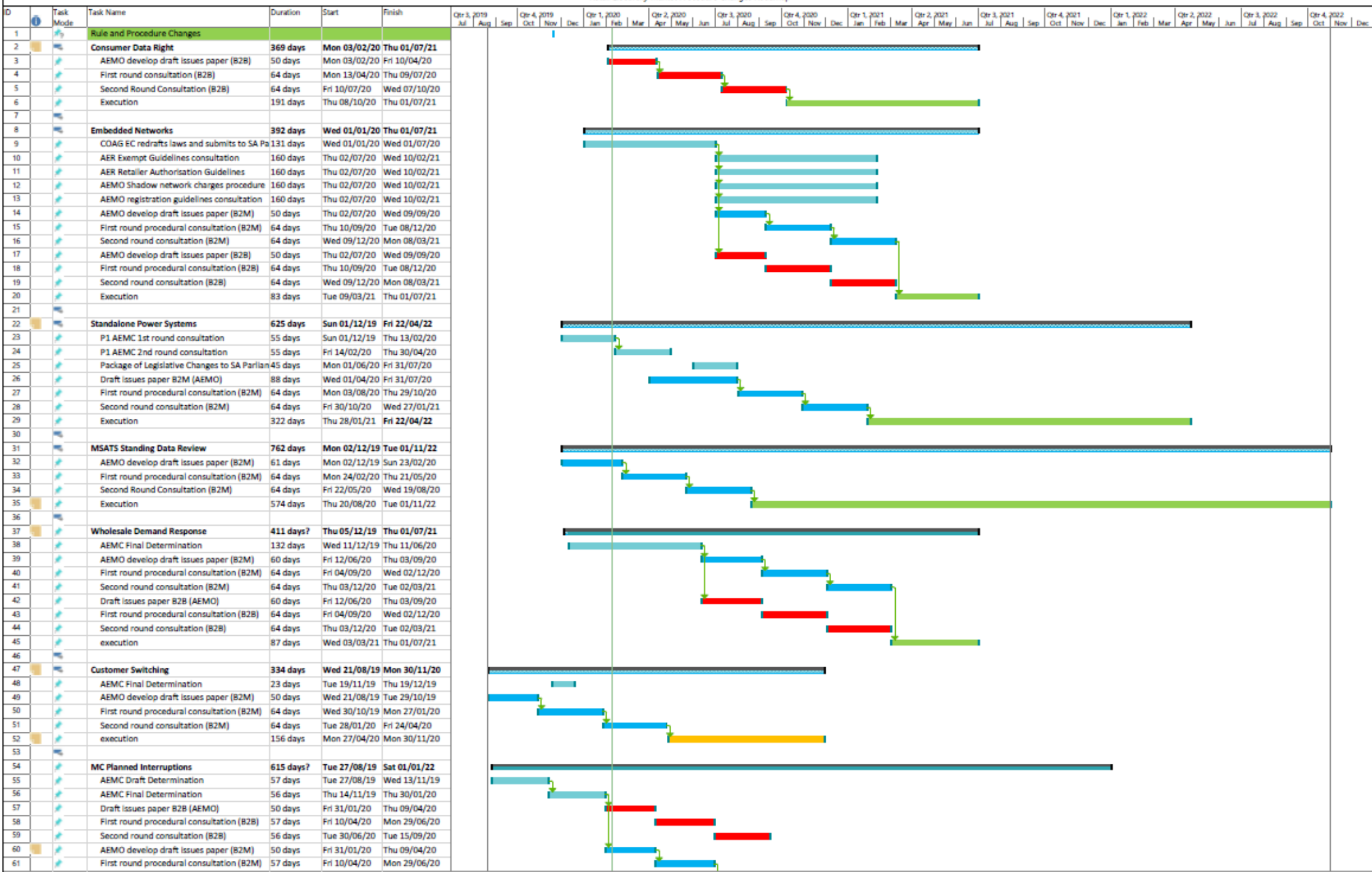
Notes about forward work program:

- It has been assumed that AEMO consultations won't commence until a final determination is published by the AEMC.
- Timings are from publicly available sources and may not reflect a change made after publication or discussions in industry.
- "Draft issues paper" is the period prior to the publication of the issues paper in electricity.
- "First stage consultation" covers the period from release of the issues paper to the publication of the draft determination
- "Second stage consultation" refers to the period from publication of the draft determination to the publication of the final determination
- "Execution" refers to the period from final determination to the change becoming effective. This may apply to AEMO, Participants or both.

Colouring scheme:

- B2M is blue
- B2B is red
- Execution is green
- Any other colours are project defaults

Retail Electricity Market Procedure Changes Roadmap



Matters for Noting

MSATS Standing Data Review

- Michelle Norris, AEMO

ICF_013: Change cancellation timeframe for CR6800

- Noura Elhawary (AEMO)

Customer Switching Update

- Meghan Bibby (AEMO)

5MS Program Update

Anne-Marie McCague

Agenda

1. Overview of Five-Minute Settlement and Global Settlement rule changes
2. 5MS and GS Program Timelines and Update
3. Stakeholder Engagement
4. Industry Readiness Reporting

Background to 5MS & GS

The 5MS Program is implementing two AEMO rules for the wholesale electricity market – requires changes to metering, retail & wholesale, settlement, bidding and NEM operational systems.

Why, What & When

5MS



- Settlement currently 30 mins, dispatch 5 mins.
- Settlement period will change to 5 mins.
- Commences 1 July 2021.

Expected benefits

- Removes anomaly by aligning settlement & dispatch period – efficiencies for NEM operations & investments, supports orderly bidding.
- Better **price signal** for demand response, and for investment in **fast response technologies** (e.g.: batteries, gas peaking generators).

GS

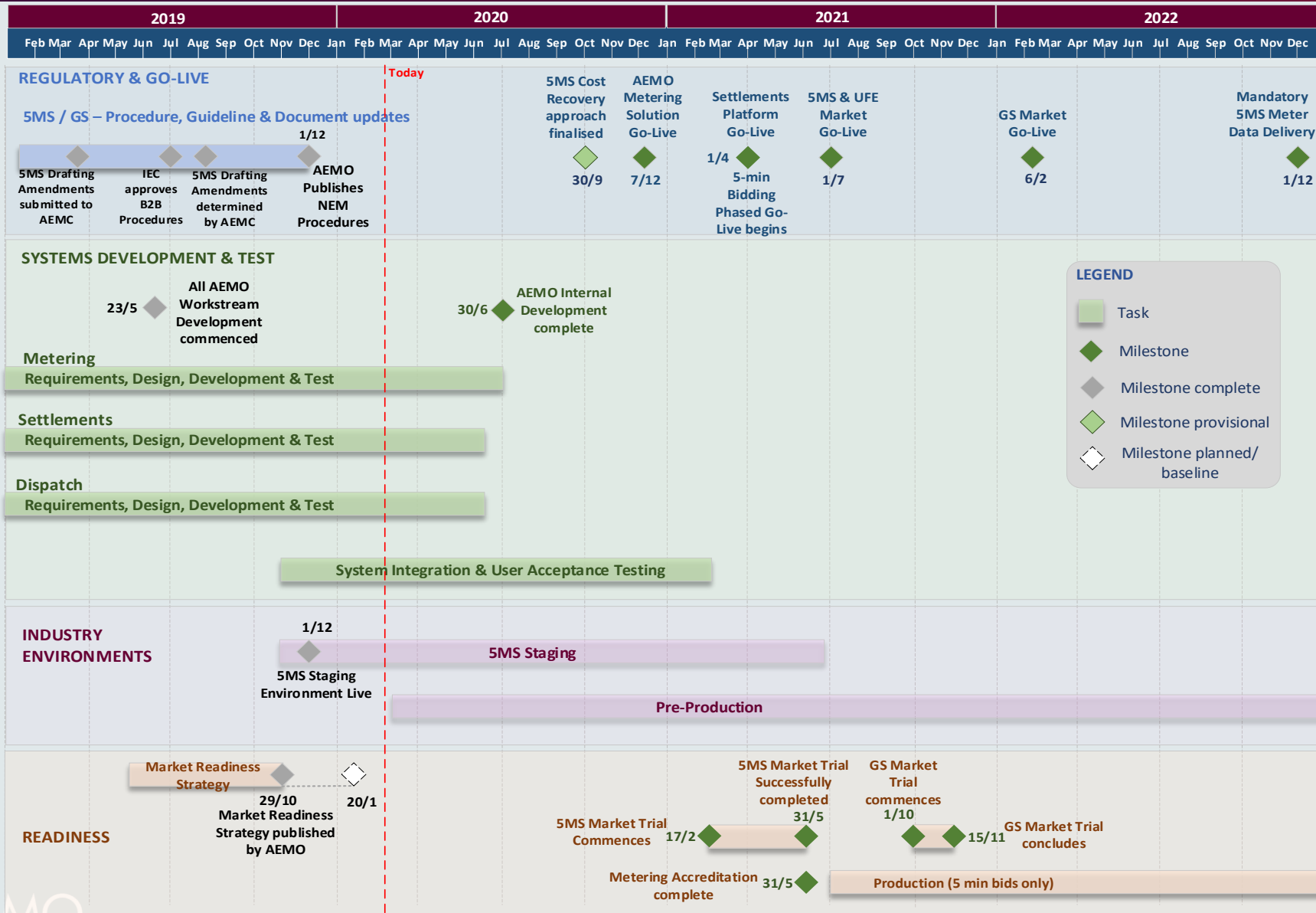


- Unaccounted for Energy (UFE) is currently charged to a limited number of 'local retailers'.
- With GS, all retailers share the cost of UFE.
- UFE published by AEMO from 1 July 2021.
- GS commences 6 Feb 2022.

- Improved transparency, fewer settlement disputes and lower levels of UFE over time.
- Competition on equal terms.
- Improved risk allocation, enhanced incentives.
- It's efficient to implement GS within the 5MS Program, as it affects the same systems.

5MS & GS Program Timeline

Current as at 28-02-2020



Program update and current activities

Current as at 28-02-2020



AEMO program

- Overall green.
- Realignment of key milestones post-Readiness work complete.
- L2-S8 Industry Test start for Reallocations complete with the deployment of the reallocations functionality into pre-PROD 26 Feb 2020.



Systems

- 5MS working with Customer Switching & Industry participants to define appropriate approach for both programs.
- The Settlements & Billing Tech Spec has been re-released to participants (14-Feb-2020). Communication on the Data Model within this pack.
- Internal retail, dispatch and settlements workstreams systems development on track to meet 30-Jun-2020 development completion date.



Readiness

- Metering Transition Plan was published on 7 Feb 2020 and the Metering Service Provider Accreditation Update Plan on 18 Feb 2020.
- The Industry Readiness Contingency Plan is due to be finalised on 13 March 2020.
- Initial Readiness Reporting – draft report to be circulated to RWG on 2 Mar 2020 for review and discussion.

Stakeholder Engagement

Project Management

Executive Forum

Project
Consultative
Forum (PCF)

Readiness

Readiness Working
Group (RWG)

- Transition Focus
Group
- Contingency
Focus Group

Industry Testing
Working Group
(ITWG)

Systems

Systems Working
Group (SWG)

- Dispatch
Focus Group

General Engagement Tools

- Website
- Newsletter
- Surveys
- 5MS Mailbox

Industry Readiness Reporting

Anne-Marie McCague


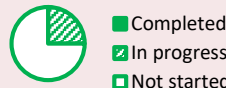
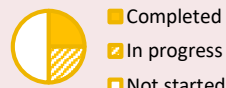
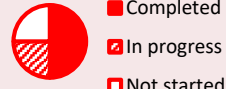
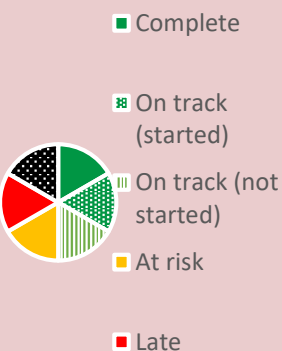
5MS & GS Industry Readiness Report 1

- 5MS / GS Industry Readiness reporting track industry readiness for 5MS and GS commencements. The first readiness assessment questionnaire was distributed on 5 February 2020, covering
 - Program establishment and overall progress
 - Progress against participant segment specific criteria
 - Progress against Activity detailed in the Metering Transition Plan
- The survey response covered 26 organisations. The Industry coverage providing reasonable assurance this provides a representative view of overall industry position. Follow up will be undertaken to increase coverage in key participant areas.

Table 1: Readiness reporting round 1 respondents info and industry coverage

	#Responses	% Industry coverage	Industry coverage methodology
Organisations	26	-	-
Total responses	55	-	-
Generator	8	80%	Generator respondents capacity / Total NEM capacity
Retailer	10	73%	Retailer respondents settlement vol. / 2019 NEM settlement vol.
MP	13	93%	MP respondents NEMs / Total NEMs
MDP	12	99%	MDP respondents NEMs / Total NEMs
DNBP	9	90%	Number of DNBP survey respondents / Total DNBP
TNSP	3	50%	Number of TNSPs survey respondents / Total TNSPs

Guide to interpreting readiness reporting results

Criteria	Overview	Example questions	Response options	Results presentation	Legend
General Readiness Criteria	<ul style="list-style-type: none"> Criteria related to the level of program establishment of participant programs. 	<ul style="list-style-type: none"> For your organization's 5MS and GS program, is project funding secured? 	<ul style="list-style-type: none"> Yes No 	<ul style="list-style-type: none"> All Yes and No responses are presented in a pie chart. <p>All responses are unweighted.</p>	 <ul style="list-style-type: none"> Yes No
Specific Readiness Criteria	<ul style="list-style-type: none"> Criteria that tracks the implementation of specific market commencement requirements for each participant type. Hence, each participant type will have their own set of specific readiness criteria (e.g. generators ability to submit 5 min bids by 1 July 2021, retailers ability to receive and reconcile 5 minute data). 	<ul style="list-style-type: none"> What is your organization's progress and status towards the following readiness criteria? <ol style="list-style-type: none"> Receive and reconcile 5 minute settlements data Receive and reconcile UFE allocations data (from 6 Feb 2022) Support 5-min reallocations (if relevant) 	<ul style="list-style-type: none"> Participants (including AEMO) are asked to report their status towards fulfilling these requirements by market commencement (on track, at risk or late), and also report on progress in 25% increments. 	<ul style="list-style-type: none"> Participants status and progression towards specific criteria are illustrated through Harvey balls. <p>Each quadrant of the Harvey ball represents 25% progress. Quadrants will progressively fill with solid colours as the criteria is completed.</p> <p>The Harvey Ball will be coloured red, amber or green based on if the criteria is on track, at risk or late.</p> <p>All responses are unweighted.</p>	<p>Status: On track Progress: 1 - 24%</p>  <p>Status: At risk Progress: 25 - 49%</p>  <p>Status: Late Progress: 50 - 74%</p> 
Metering Transition Plan Status (MTP)	<ul style="list-style-type: none"> Status monitoring of defined activities in the MTP. The MTP outlines the expected activities, responsibilities, timeframes, as well as other necessary elements required for completion of the 5MS and GS metering transition. 	<ul style="list-style-type: none"> For the following sub-categories defined in the MTP, is your organisation on track to complete the associated activities (MDP related only) by the defined transition end date? <ol style="list-style-type: none"> BULK / Wholesale Meters (S13) Type 1-3, subset of 4 (S14) Cross Boundary Meters (KNOWN) (S15) 	<ul style="list-style-type: none"> Participants are asked to provide their status towards completing activities by the transition end date for each defined sub-category in the MTP (Complete, On track (started), On track (not started), At risk, Late, n/a). Given that a sub-category has multiple activities supported by various participant types, respondents were only asked to report on their status towards completing activities by the transition end date. 	<ul style="list-style-type: none"> All responses are presented in a pie chart. A separate pie chart will also illustrate the proportion of all responses with n/a responses omitted. <p>All responses are unweighted.</p>	 <ul style="list-style-type: none"> Complete On track (started) On track (not started) At risk Late

Readiness Reporting Round: Results on a page

	AEMO	Generator	Retailer	DNSP	TNSP	MP	MDP	Total (not incl. AEMO)
Overall program delivery progress and status								
General criteria (Program establishment) - Consolidated readiness	-							
Specific criteria (Capability development) - Consolidated readiness	-					-	-	
Ability to support 5-minute reallocations	-			-	-	-	-	
Ability to receive and reconcile 5-minute settlements data	-					-	-	
Ability to receive and reconcile UFE allocations data	-	-		-	-	-	-	
Ability to submit 5-minute bids	-		-	-	-	-	-	
Metering Transition Plan status - consolidated	-	-	-					

Legend:

- Yes No
- Completed
- In progress
- Not started
- Complete
- On track (not started)
- On track (started)
- At risk
- n/a
- Late

Readiness Reporting - commentary

Overall program status: **On track**
Overall progress: 1-24% complete

Participant programs across all segments established, with systems designs commenced and operational impact assessments conducted, with generally reported on track status

- Individual participants reporting at risk status on delivery
- 2 participants indicating development underway

Overall project establishment status: **On track**

Majority of programs are funded, with established project plans, project teams on boarded:

- 5 organisations are yet to secure funding with 2 at risk
- 4 organisations are yet to formalise project plans although only 1 has indicated this is at risk

All respondents report an intention to participate in Market trials.

The AEMO program is proceeding on track and in line with overall program milestones

Overall specific criteria status: **On track**

Progress against specific readiness capability reflects overall program reporting and in general is reported as on track

- A number of respondents (DNSP/ Retailers) are reporting impacts from other market change initiatives on programs
- 2 generators reporting schedule being at risk, with mitigations being applied

Readiness Reporting - commentary

Overall MTP Status: **On track**

- Progress on Metering Transition spans 4 participant groups with activity timeframes from present through Dec 2022.
- Activity is general reported as “underway, on track” and “not started, on track”.
- A number of participants have reported “N/A” on activities, follow-up will be performed to ensure this is accurate and not a misunderstanding of scope

Overall MTP Status Continued

- 2-3 key MP participants are not currently reporting progress, and will be engaged in the next period
- Activity where expected date as per the MTP has passed but is being reported as “underway, on track” will be investigated

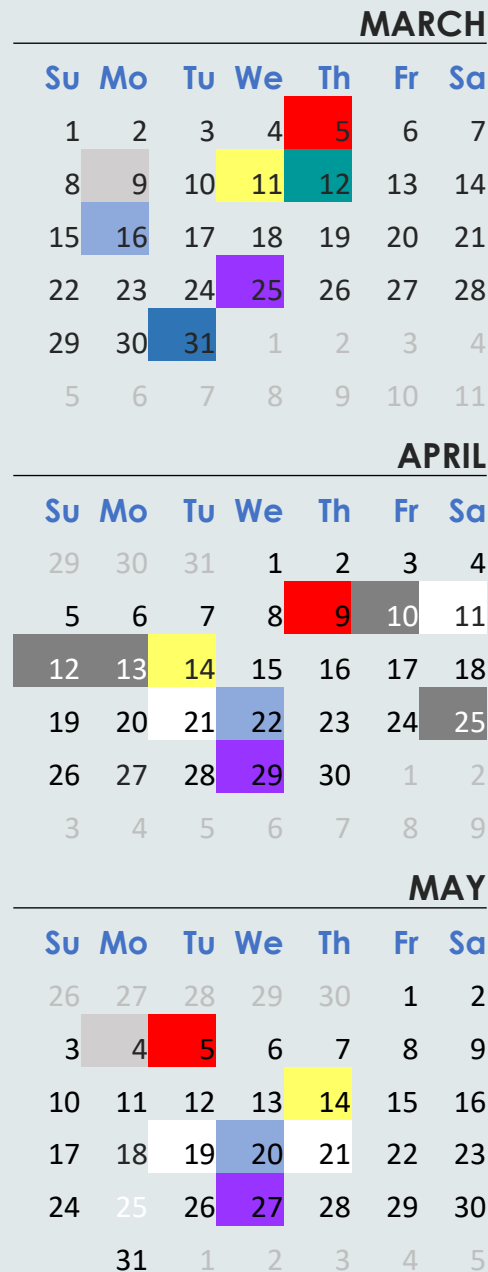
Risks and Issues

- Respondents highlighted a number of issues for follow up and validation including:
- AEMO approach for settlement certification
 - Impact of other industry initiatives on participant delivery resourcing
 - Uncertainty on transition approaches for metering and Meter Standing Data
 - Further definition of response actions for participant failure to “be ready”

Upcoming meetings

<https://aemo.com.au/initiatives/major-programs/nem-five-minute-settlement-program-and-global-settlement>

Current as at 2/03/2020



Forums/Working Groups
Executive (EF)
Program Consult. (PCF)
Procedures (PWG)
Systems (SWG)
Readiness (RWG)
Industry Testing (ITWG)

Focus Groups
Dispatch
Metering
Settlements
Transition
Industry Testing
Reconciliation
Contingency

Other
Information sessions
General Q&A session
National Public Holiday
State Public Holiday*

*Relevant state has been marked in a comment. WA, NT, TAS, ACT holidays have not been marked.



Get in touch! Email us at 5MS@aemo.com.au

Common Items

ICF Register

Change ID	Procedure	Subject	Change type	Proponent	Status	Notes
ICF_009	MSATS Procedures: CATS Standing Data for MSATS	Define allowable values for the controlled load field in MSATS	Procedure + Market Systems	Dino Ou Endeavour Energy	In Progress	Reviewed at ERCF on 6 March 2019, CIP provided to ERCF on 22/3/2019 for review. Included in MSATS Standing Data Review.
ICF_M001	Metrology Procedure Part A	Process to detect illegal reconnections	Procedure Only	Dino Ou Endeavour Energy	Change Information Paper	CIP has been updated since the Nov meeting. Updated ICF provided by Dino, tabled for discussion in March 2020 meeting.
ICF_013	MSATS CATS Procedure	Change cancellation timeframe for CR6800	Procedure + Market Systems	Robert Lo Giudice, intelliHUB	In Progress	Change proposal (ICF) received 21/6/2019. Included in ERCF meeting pack for 22nd August 2019. Currently looking into the new PMS reports XML and will update regarding the outcome as of 25/2. Noura Elhawary has provided temporary solution using PMS Reports. To be included in future consultation
ICF_015	MSATS	Metering Exemption Flag	Procedure + Market Systems	Paul Greenwood, Vector AMS	Considered as part of MS DR	23/8/19: To be developed with Paul for review at future ERCF meeting. To be considered in 2020 as part of MS DR.

ICF Register (cont.)

Change ID	Procedure	Subject	Change type	Proponent	Status	Notes
ICF_016	MSATS Procedure	Reinstate MC Objection of BadParty for Vic SMALL	Procedure + Market Systems	Laura Peirano, United Energy	Change Information Paper	Closed. Outcome as per Customer Switching request. This is introducing changes to remove the ability to nominate any other roles in a transfer situation it is also introducing changes to the objection area for MC's.
ICF_017	AEMO Performance Reports	Assignment of Interval ADWNANs to MDP in AEMO Performance Reports	Procedure + Market Systems	Jane Hutson, EQ	In Progress	To be progressed, new report to be developed for MDP.
ICF_018	MSATS Standing Data	Add new Enumeration for 5 minute interval Meters	Procedure Only	Mark Riley, AGL	In Progress	Included in MS DR consultation currently underway. Effective date for change TBC. Does not require AEMO system change.
ICF_019	Metrology Procedure	To remove the prescriptive requirements for sample testing (General inspection II and the AQL of 1.5) from the clause and clarify the suggested sampling methodology as being as a guidelines as per the MPB's request.	Procedure Only	Goutham Lingam, UE	In Progress	Extended. Under consideration by AEMO Metering

ICF Register (cont.)

Change ID	Procedure	Subject	Change type	Proponent	Status	Notes
ICF_020	Service Level Procedure	Changes to the clause 4.2 of the SLP to avoid confusion with the terms validation vs verifications	Procedure Only	Goutham Lingam, UE	In Progress	Extended. Under consideration by AEMO Metering
ICF_021	Metrology Procedure Part B	Removal of End User Details from the Inventory table	Procedure + Market Systems	Dino Ou, Endeavour Energy	In Progress	5MS Meter Package 2 submissions requested End User Details be added, request now asks for removal. To be discussed offline with the big 3.
ICF_022	Metrology Procedure Part A and B	Theft error	Procedure	Mark Riley, AGL	New	To be discussed in March 2020 ERCF
ICF_023	Metrology Procedure Part A, SLP MDP, MP	Process when remote collection of metering data fails	Procedure	Dino Ou, Endeavour Energy	In Progress	To be discussed in March 2020 ERCF
ICF_025	Metrology Procedure Part B, Service Level Procedure: MDP, MP, ENM (cross out unrelated)	Removal of 'N' Metering Data Quality Flag	Procedure	Simon Tu, AEMO	New	To be discussed in March 2020 ERCF

MSATS Only Items

Meghan Bibby, AEMO

Average Daily Load (ADL) at datastream level

Questions have been raised as to the definition of the ADL. The Standing Data for MSATS indicates it is mandatory but does refer to KWH, which is not the unit for reactive energy.

Question for all sectors:

1. What is ADL used for?
 - Retailers
 - Distributors
 - Metering
2. Should it be at NMI or datastream level based on your usage?

Based on your usage would the ADL be at

- a) the connection point – this would imply all Datastreams would have the same value?
- b) the metering point – this would imply all datastreams for the same measuring device (E1, B1) would have the same value?
- c) the datastream – this would imply each datastream would have a different ADL?

ADL	The electrical energy delivered through a <i>connection point</i> or metering point over an extended period normalised to a "per day" basis (kWh).	CATS_NMI_DATA_STREAM
(p) Recalculate the ADL for each active Datastream at least annually and enter this value in MSATS where the calculated value differs by more than 20% from the ADL recorded in MSATS. Where the current ADL is under 5kWh and the newly calculated ADL is found to be still less than 5kWh there is no requirement for the MDP to update the ADL record within MSATS.		

Metrology & Service Level Procedures Items

Meghan Bibby, AEMO

CIP_M001: Process to detect illegal reconnections

- Ref #7 – CIP_M001

ICF_022: Theft Error

- ICF submitted by Mark Riley, AGL
 - Contact No: 0475 805 262
 - Email: mriley@agl.com.au

Procedure Impacted

Metrology Procedure Part A and B

Subject

Include specific obligation for MC to provide updated or substitution data in cases of theft or fraud for complete period impacted, to both the affected participants and the market.

Description

At present, in cases of theft or fraud, some Network MCs provide a substitute meter data file which is then populated across the affected participants and the market, while others undertake an off-market settlement.

Within the current market framework, the affected parties are the Host FRMP, the affected FRMP and the Network, as there is no impact on the market as a whole. However, in moving to a global market, the concept of a Host FRMP no longer exists. Although, it could be said that at that stage, the Host FRMP is now the market as a whole, as any changes which would have previously impacted the Host now flow through to all FRMPs through Unaccounted for Energy (UFE).

For this reason, AGL is proposing that in all cases where consumption is affected (eg CT ratios, theft etc) that the relevant MC should follow the substitution processes and submit the data to the affected participants and the market so that it is captured as part of the UFE calculation.

ICF_022: Theft Error

Market Impact	Provision of amended data to the affected participants and the market will ensure that UFE allocations are more appropriately made. Failure to submit the data to the market means that the incorrect energy will be distributed by AEMO as UFE to all participants and will impact the recorded level of UFE.
Requirements / Specific Proposal	Amend the Metrology Procedures to make specific reference to the requirement to generate and submit amended data to both the market and the affected participants for events such as theft.
Proposed Solution/s	For the Metrology Procedure Part A, this means making clear in that affected Registered Participants may include sending data to the market. For the Metrology Procedures Part B, this means clarifying that the provision of substituted data includes events such as theft, not just meter problems.
Law/Rules enabling change	See attached Background
Market benefits for industry as a whole	Provision of the amended data to the market will ensure that the settlements allocations and UFE processes now take these load changes into account. This in turn means that wholesale allocation of energy will be correct and the resulting UFE calculation will be more accurate.
Customer benefits (consumers)	Wholesale and UFE allocations will impact retailer wholesale prices, which in turn impact customer prices. More correct allocations, will allow each retailer to manage their pricing more appropriately.
Workarounds	N/A

ICF_023: Process when remote collection of metering data fails

- ICF submitted by Dino Ou, Endeavour
 - Contact No: 0423299750
 - Email: Dino.ou@endeavourenergy.com.au

Procedure Impacted

Metrology Procedure Part A, SLP MP CI 5.3, SLP MDP CI 3.5

Subject

Process when remote collection of metering data fails

Description The procedure for managing the scenario when a Metering Data Provider is unable to remotely collect metering data requires a review and update because there are different interpretations on the obligations which has led to parties claiming that they are compliant with the procedures but yet metering data was not collected in a timely manner to prevent the loss of actual metering data. We believe that the procedure should be clear on who is obligated to take action to prevent the loss of actual metering data. This is particularly important when the appointed MC, MP or MDP for a metering installation is not the one market participant. We believe that the procedure should be clear on when the action must be done by in order to prevent the loss of actual metering data. We believe that the procedure should, on a high level, be as follows:

1. Should a MDP be unable to remotely collect metering data for a number of consecutive days then they must inform the MC
2. The MC must arrange for the MP to confirm if there is a metering installation malfunction.
3. If there is a metering installation malfunction then the MC must arrange for the repair to be completed as per the timeframe defined in clause 7.8.10 of the NER or obtain an exemption from AEMO
4. Regardless if there is a metering installation malfunction, AEMO has provided an exemption or there is no metering installation malfunction but there are other factors that prevent the remote collection of metering data from occurring, the MC must arrange for an alternate method of meter data collection in a timeframe that prevents the loss of actual metering data

ICF_023: Process when remote collection of metering data fails

Description contd There is no timeframe on the MDP to request the MC for an alternative method of collecting metering data. Also, there is no timeframe on the MC or MP to manually collect metering data where remote acquisition becomes unavailable. Without a timeframe defined the MC, MDP or MP can claim compliance with their obligations while operating in a manner that does not prevent the loss of actual metering data. We suggest timeframes be defined and that the timeframe be for a meter with the minimum interval energy data storage of 35 days.

Timeframes defined in clause 7.8.10 of the NER only starts when the MC is informed of a metering installation malfunction. Some metering data providers and metering coordinators do not characterize the failure to remotely collect metering data as a metering installation malfunction because the root cause could be the public telecommunications network or for other reasons eg issues with their data collection system. Therefore, until the metering provider confirms that the failure to remotely collect metering data is actually due to one of the components of the metering installation they believe that clause 7.8.10 is not applicable. This creates a gap where by participants can claim compliance with their obligations without taking any action, or delaying their actions, to confirm if a metering installation malfunction exists or not. We suggest that MC be obligated to arrange for the investigation of a potential metering installation malfunction within a defined timeframe when the MDP notifies them of a failure to remotely collect metering data for a number of consecutive days. We suggest the timeframe be defined for a meter with the minimum interval energy data storage of 35 days.

ICF_023: Process when remote collection of metering data fails

Market Impact

It will provide overall benefits to the market through:

- reduced PMDs and VMDs
- actual metering data being available sooner for market settlements and the end customer's bill
- minimises the potential for actual metering data to be lost due to the inaction or delayed action from the MC, MDP and/or MP
- meter installation malfunctions can be identified sooner and therefore repaired sooner

Requirements / Specific Proposal

For issue 1: Define timeframes for the MDP to request the MC for an alternative method of collecting metering data.

For issue 2: Define obligations and timeframes for the MC to arrange for the investigation of a potential metering installation malfunction when the MDP notifies them of a failure to remotely collect metering data for a number of consecutive days.

Proposed Solution/s

Clause 3.5 of the SLP MDP be updated to define a timeframe for the MDP to request the MC for an alternative method of collecting metering data when MDP is unable to remotely collect metering data for a number of consecutive days. We suggest that the timeframe be 1 business day for the MDP to request the MC for an alternative method of collecting metering data, and that the number of consecutive days that triggers that obligation be 5 business days.

We suggest Metrology Procedure Part A be updated to obligate the MC to arrange for the alternative method of collecting metering data to be completed within 15 business days from when they receive the MDP's request for an alternative method of collecting metering data.

We suggest that Metrology Procedure Part A be also updated to obligate the MC to arrange for the MP to investigate the potential metering installation malfunction when they receive the MDP's request for an alternative method of collecting metering data. The timeframe for the MP to perform this investigation should be within 15 business days from when they receive the MDP's request for an alternative method of collecting metering data.

ICF_023: Process when remote collection of metering data fails

Law/Rules enabling change	Clause 7.3.2.e.4, 7.3.2.h and 7.8.10 of the NER
Market benefits for industry as a whole	<ul style="list-style-type: none">• market efficiencies through reduced PMDs and VMDs• actual metering data being available sooner for market settlements and the end customer's bill• minimises the potential for actual metering data to be lost due to the inaction or delayed action from the MC, MDP and/or MP• meter installation malfunctions can be identified sooner and therefore repaired sooner
Customer benefits (consumers)	<p>The customer will receive bills based on actual metering data sooner and reduces the likelihood that the customer's bill never gets updated with actual metering data because the actual metering data is lost.</p> <p>The customer will also have some key metering services available to them much sooner through earlier identification of a meter installation malfunction and subsequently an earlier repair</p>
Workarounds	Continue with the current inefficient industry practice via PMDs and VMDs

ICF_025: N Quality Flag

- ICF submitted by Simon Tu, AEMO
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Procedure Impacted

Metrology Procedure Part B, Service Level Procedure: MDP

Subject

Removal of 'N' Metering Data Quality Flag

Description	<p>Background</p> <ul style="list-style-type: none">• A historic business process, which existed outside of the rules, made use of the Quality Flag of 'N' for meter churn scenarios where churn occurred over 20 days• The new RPs Meter Data Provider would establish a meter prior to the initiation of a CR1000, the implication of which was that the party in MSATS wouldn't be related to the new meter. For the time before the new RP assumed the role in MSATS the Meter Data Provider would send MTRD MDFF reads with a Quality Flag of 'N'• 5 years ago the Procedures were changed to tighten the churn scenario to prevent this business process from occurring. <p>Current</p> <ul style="list-style-type: none">• The existing Metrology Procedure Part B (see below) still makes reference to the Quality Flag of 'N', however, the Procedures provide no further details on how the Quality flag of 'N' can be used.• The NEM12/NEM13 specification still makes reference to the Quality Flag of 'N'." <p>Future</p> <ul style="list-style-type: none">• AEMO will accept MDFF, which does allow for Quality Flag of 'N'• Assumption is that MDPs will provide AEMO with the identical MDFFs as provided to other Participants.
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ICF_025: N Quality Flag

Market Impact	Clarification of what can be used for Metering Data Quality Flags and removal of one that should not be used and is currently not being used.
Requirements / Specific Proposal	As 'N' flag is effectively redundant remove its reference from the Procedures. We've already removed the N flag as an accepted flag in the MDM File Format and Load process.
Proposed Solution/s	Removal of a redundant value from the Metrology Procedure Part B in Section 2.4. Removal of a redundant value from MDFF Specification NEM12 NEM13
Law/Rules enabling change	NER 7.16.3
Market benefits for industry as a whole	Removal of a redundant value to clarify what can be used and avoid any meter data issues if N is used by a participant.
Customer benefits (consumers)	Avoids an issue with meter data delivery that may create delays in billing.
Workarounds	Should we leave it as a valid flag, the IEC needs to define for the B2B Procedure Meter Data Process the context for which N reads are to be generated and treated by the Market. Additionally, the Metrology Procedures would need to define how N reads are to be treated (i.e. no AEMO 'Z' substitution) so the reads used in Settlements are consistent with reads supplied & used by other Participants.

Other Business

Meghan Bibby, AEMO

Other Business

- General Questions?
- Next meeting scheduled for Friday 15 May 2020
 - Future dates are in the Stakeholder Meetings calendar on AEMO's website
 - ICFs due by Friday 1 May 2020