

5MS & GS Readiness Working Group #12

Wednesday 10th June, 2020

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for the WebEx call****

**PLEASE NOTE THIS MEETING WILL BE RECORDED FOR THE
PURPOSE OF PREPARING MINUTES**

AEMO Competition Law Meeting Protocol

AEMO is committed to complying with all applicable laws, including the Competition and Consumer Act 2010 (CCA). In any dealings with AEMO regarding proposed reforms or other initiatives, all participants agree to adhere to the CCA at all times and to comply with this Protocol. Participants must arrange for their representatives to be briefed on competition law risks and obligations.

Participants in AEMO discussions **must**:

1. Ensure that discussions are limited to the matters contemplated by the agenda for the discussion
2. Make independent and unilateral decisions about their commercial positions and approach in relation to the matters under discussion with AEMO
3. Immediately and clearly raise an objection with AEMO or the Chair of the meeting if a matter is discussed that the participant is concerned may give rise to competition law risks or a breach of this Protocol

Participants in AEMO meetings **must not** discuss or agree on the following topics:

1. Which customers they will supply or market to
2. The price or other terms at which Participants will supply
3. Bids or tenders, including the nature of a bid that a Participant intends to make or whether the Participant will participate in the bid
4. Which suppliers Participants will acquire from (or the price or other terms on which they acquire goods or services)
5. Refusing to supply a person or company access to any products, services or inputs they require

Under no circumstances must Participants share Competitively Sensitive Information. Competitively Sensitive Information means confidential information relating to a Participant which if disclosed to a competitor could affect its current or future commercial strategies, such as pricing information, customer terms and conditions, supply terms and conditions, sales, marketing or procurement strategies, product development, margins, costs, capacity or production planning.

Agenda *****Please disconnect from your workplace VPN for the WebEx call*****

NO	TIME	AGENDA ITEM	RESPONSIBLE
1	10:00am – 10:10am	Welcome, introduction and apologies	Greg Minney
2	10:10am – 10:20am	Notes, actions and feedback from previous meeting	Greg Minney
3	10:20am – 10:25am	AEMC update on rule change proposal	Andrew Pirie (AEMC)
4	10:25am – 10:35am	Update on 5MS program milestones	Greg Minney
5	10:35am – 10:50am	Stakeholder engagement update	Emily Brodie
6	10:50am – 11:10am	Participant testing scope and preparation	Tui Grant
7	11:10am – 11:30am	Readiness reporting	Austin Tan
APPENDICES			
A	Readiness milestones		
B	Industry readiness update		
C	Metering procedures update		

Notes, actions and feedback from previous meeting

Greg Minney

Responses to RWG meeting actions (1)

#	Topic	Action	Response
11.3.1	Readiness Reporting	AEMO to consider providing additional guidance alongside readiness reporting survey questions	To be discussed at this RWG#12
11.3.2	Readiness Reporting	AEMO to include latest MTP with readiness reporting survey	To be discussed at this RWG#12
11.3.3	Readiness Reporting	AEMO and RWG to consider alternative ways of communicating readiness reporting survey results	3 responses. To be discussed at this RWG#12
11.4.1	Proposed milestone changes	AEMO to update charts on proposed AEMO system deployment milestone changes	Complete
11.4.2	Proposed milestone changes	AEMO to consider extending the 30 minute settlement trial so that it can be commenced before December 2020	As discussed at the PCF, AEMO has confirmed it is working to a 1 April 2021 deployment date for settlements and dispatch platforms. Therefore no need to change trial approach.
11.4.3	Proposed milestone changes	AEMO to investigate any impacts on Recipient created tax invoices (RCTI) and provide feedback to or seek further info from the RWG	No changes to RCTI anticipated as a direct result of 5MS/GS changes.
11.4.4	Proposed milestone changes	RWG to provide feedback on impact of settlements 'like-for-like' delivery, including impacts on RM 16 and RM 27	2 responses: one had no issues, the other n/a
11.4.5	Proposed milestone changes	AEMO to confirm if there are any changes to the format of settlement reports that are used by participants for settlement reconciliation purposes (e.g. RM 16 and RM27)	The key 5MS change to RM16 and RM27 is the change from reporting 48 intervals to 288 intervals. The initial 30 minute release of these reports should not change for participants.

Responses to RWG meeting actions (2)

#	Topic	Action	Response
11.4.6	Proposed milestone changes	AEMO to update table in slide 27 to clarify that MDFF acceptance relates to metering data files (not settlement files)	Complete - in updated pack provided to RWG on 18 May
11.4.7	Proposed milestone changes	AEMO to provide explanation of how 5-min bilateral testing will be supported	Bi-Lateral B2B testing is supported in the retail pre-prod environment. Participants can agree transactions to be tested between their environments, including the granularity of B2B data transmitted and processed.
11.4.8	Proposed milestone changes	RWG to provide feedback in response template on impact of MDM milestone change and proposed deployment milestone changes for dispatch and settlements	7 responses. Mostly no or low impacts. Key concerns: <ul style="list-style-type: none"> - B2B testing - to be discussed in this RWG #12 meeting (also PCF action on B2B testing underway) - Further change to AEMO's program
11.6.1	Proposed 12-month deferral	AEMO to update Gantt to reflect NCONUML datastream activation	Complete - in updated pack provided to RWG on 18 May

Responses to RWG meeting actions (3)

#	Topic	Action	Response
11.6.2	Proposed 12-month deferral	RWG to provide information on how AEMO would support a multi-speed transition (some participants continuing to current timeline, some participants deferring to proposed timeline)	<p>3 responses:</p> <ul style="list-style-type: none"> One supportive of enabling participants to either continue on the current timeline or to defer. One noting that there would be considerable extra cost to those who transition early if need to participate in in testing twice. One suggested adaptations to AEMO support such as maintaining the 5ms mailbox. <p>As covered later in the agenda, AEMO is scheduling a combined RWG/PCF meeting to discuss outcomes and implications of AEMC deferral decision in mid-July.</p>
11.6.3	Proposed 12-month deferral	AEMO capture and manage the risk of a multi-speed transition (some participants continuing to current timeline, some participants deferring to proposed timeline) in the 5MS industry risks and issues register	<ul style="list-style-type: none"> AEMO will accommodate the needs of participants through a two-speed implementation program. This will allow participants to choose to continue their own development under either the original implementation schedule or a delayed timeframe, to the maximum extent practicable. The risk associated with this approach would be developed should a deferral go ahead. As covered later in the agenda, AEMO is scheduling a combined RWG/PCF meeting to discuss outcomes and implications of AEMC deferral decision in mid-July.
11.6.4	Proposed 12-month deferral	AEMO to consolidate multi-speed transition feedback and provide to RWG	As above
11.6.5	Proposed 12-month deferral	AEMO to provide clarification on the impact to the MMS data model version 5 under the proposed 12-month deferral scenario	To be addressed via SWG – Data model deployment is in line with platform deployment.

Responses to RWG meeting actions (4)

#	Topic	Action	Response
11.6.6	Proposed 12-month deferral	RWG to provide feedback in response template on proposed transition and testing approach under the proposed 12-month deferral scenario	<p>Seven responses received. Respondents noted that they needed:</p> <ul style="list-style-type: none"> • Test and trial opportunities of sufficient duration in appropriate testing environments with enough participation. Potential for AEMO to match willing participants at similar stages for bilateral testing. • Sufficient available support from AEMO throughout the transition period. <p>As covered later in the agenda, AEMO is scheduling a combined RWG/PCF meeting to discuss outcomes and implications of AEMC deferral decision in mid-July.</p>
11.7.1	"Minimum criteria" and 5MS go/no-go decisions	RWG to provide feedback on proposed 'minimum criteria' for commencement	Two responses received – one in support and one with no objection.
11.7.2	"Minimum criteria" and 5MS go/no-go decisions	AEMO to publish final contingency plan, considering RWG feedback on 'minimum criteria'	To be published Fri 5 June
11.8.1	Bidding transition plan	RWG to provide feedback on bidding transition approach	No responses received. Will continue with proposed approach.
11.8.2	Bidding transition plan	AEMO to confirm whether FCAS bidding is out of scope	AEMO confirms that FCAS bidding is in scope of the BTP
11.8.3	Bidding transition plan	AEMO to discuss bidding transition approach with the Dispatch Focus Group	DFG meeting being planned for Monday 29 June. Invitations to be released to the DFG and RWG.

AEMC UPDATE: Deferral rule change request

Andrew Pirie, AEMC

Timeline for this rule change process (if remains expedited)



Note: The ability to object to the Commission's decision to proceed under an expedited rule change process closed on 28 May 2020.

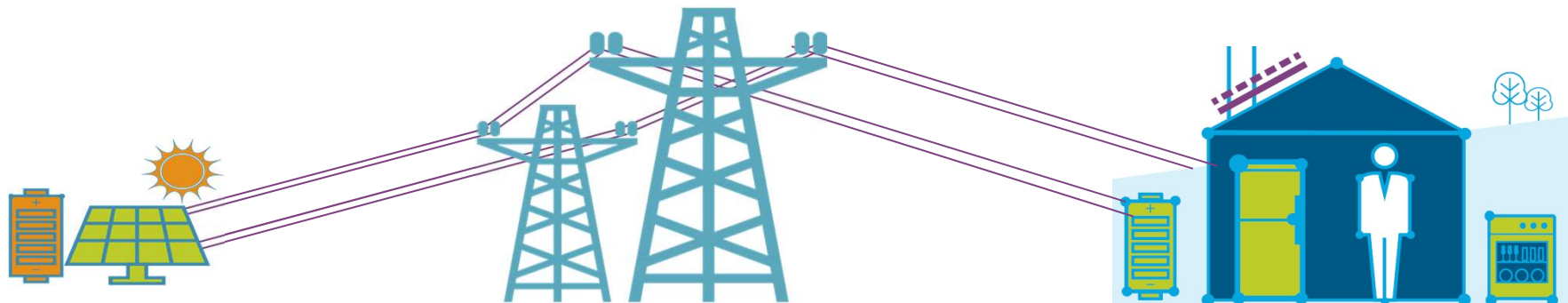
Update on rule change proposal to delay start of 5MS and GS

Submissions on consultation paper

- Are due 11 June
- Emphasis on stakeholders providing evidence of impact of delay.
- A number of early submissions have been received. These will be uploaded to the AEMC's website.

An objection to the use of an expedited rule change process has been received

- The Commission is considering the objection and will likely have a decision on the treatment of the objection in early June.



Next Steps

- Submissions close **11 June 2020**
- To set up a meeting with the AEMC contact:
 - Prabpreet Calais Prabpreet.Calais@aemc.gov.au
 - Andrew Pirie Andrew.Pirie@aemc.gov.au



Update on 5MS program milestones

Greg Minney

Program update and current activities

Updated for 27-05-2020



AEMO program

- Overall Green, MDM Go-Live and associated milestones have been re-baselined, re-planning activity is now complete.
- The Program is now entering a critical few months of delivery, with a large number of build items to be delivered across all workstreams
- Discussing risk of consecutive system go-lives with PCF



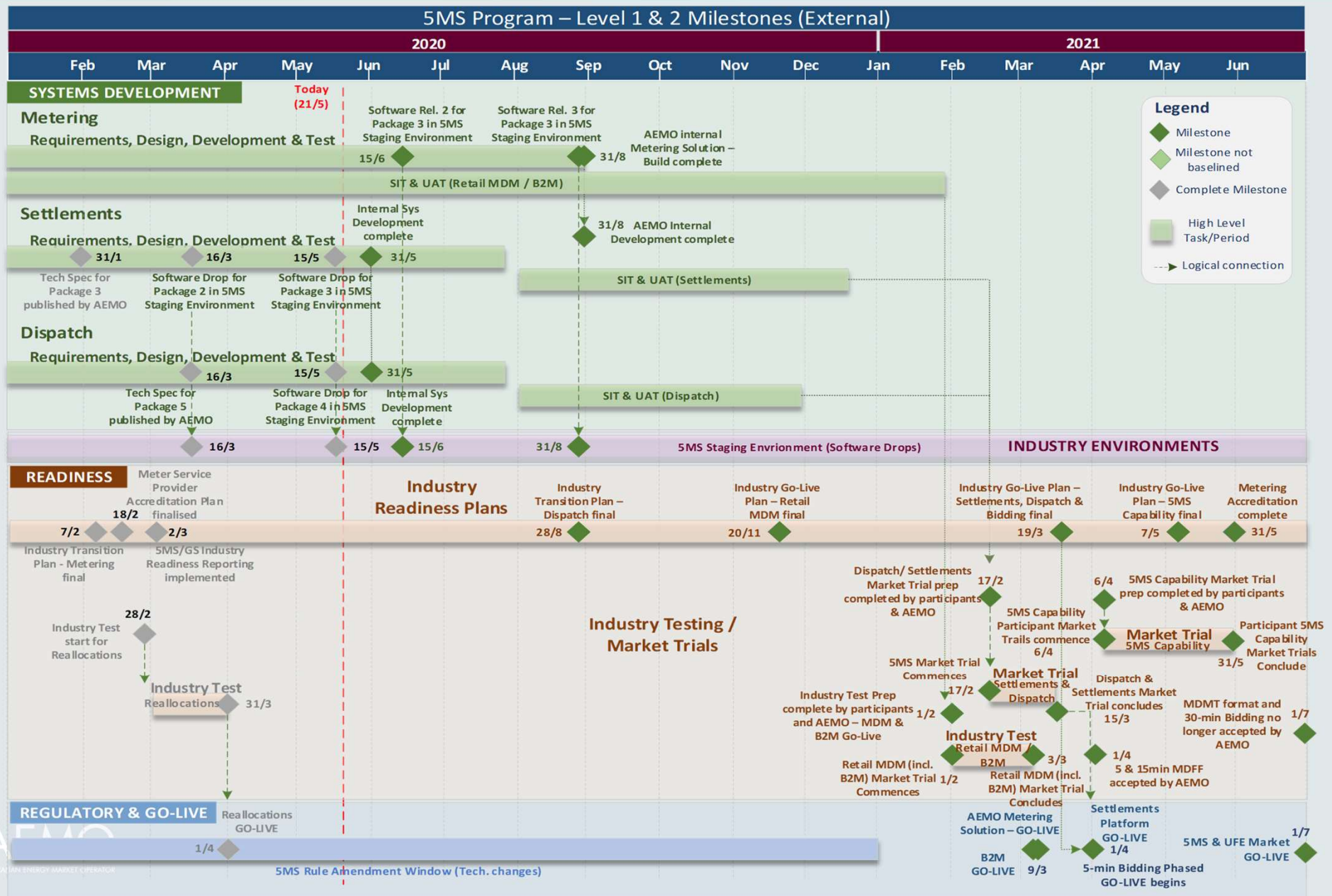
Systems

- Staging environment has been updated with the 3rd Settlements drop and 2nd Dispatch drop on 15 May.
- Replanning for Retail is complete. The program is on track to deliver to the two upcoming Staging deployment dates.
- r39 Schema discussion held with market participants, understanding of n-1 requirement conveyed to participants.

5MS Program Timeline (Jan '20 to Jul '21)

Level 1 and External Level 2 Milestones

Current as at 21-05-2020



Stakeholder engagement update

Emily Brodie on behalf of Anne-Marie McCague

Response rate to Q1 2020 Stakeholder Engagement Survey

Working Group	Q4 2019	Q1 2020
PCF	9	21
RWG	10	21
SWG	6	19
ITWG	N/A	12

Summary of RWG feedback

Question	Response	Summary comment
Accessibility of information	Majority responded positively	Timelines can be difficult to follow timelines, difficult to understand what is a participant milestone and an internal AEMO milestone
Consistency of information	Majority responded positively	Timelines are an area for improvement
Two-way discussions	Majority responded positively	Good opportunity for input
Timeframes	Majority responded positively	Missing a central place Improved, but still some confusion.
Reusability of packs	Majority responded positively	Comments on use of pdf
Transparency	Majority responded positively	Sometimes there are misinterpretations More transparency on who the program engages with
Actions	Majority responded positively	timeliness of packs and minutes needs improvement
Frequency of meetings	Majority responded positively	RWG seems to be mostly focused on metering
5MS Stakeholder Engagement Framework	Majority responded positively	Suggestion to combine RWG with PCF



Next Steps

- All feedback from all working groups has been reviewed and discussed.
- Key areas for improvement across all working groups:
 - Timelines – consistency and clarity
 - Timeliness of packs and minutes
 - Currently we publish the minutes once they have been approved by the Working Group which means that they do not appear on the website for at least a month after the meeting or in the case of the Executive Forum, 3 months.
 - PCF agreed to publish the minutes as draft on the web when we circulate to the Working Group / Forum
 - Each member still has the opportunity to seek to amend and we can republish with any agreed changes
 - Alignment of information across working groups
 - As the AEMO systems deployment progresses, AEMO and participants are becoming more focused on readiness activities. AEMO is undertaking a review of the working group structure to identify a more streamlined approach to disseminating information for this phase of the program and facilitating focused discussions with the appropriate experts on the call.
 - This approach will also aim to provide an improvement in the consistency and clarity of the timelines and to reduce duplication.

Proposals

- AEMO considers that taking an end-to-end systems / readiness view at working groups will better inform and equip participants with their readiness as well as streamline information and reduce duplication.
- **Proposal:** RWG be expanded to include SWG members and agenda adjusted to provide a more integrated end-to-end view. SWG would be retained and used as a focus group for specialist technical discussion on an ad-hoc basis.
- For each Go-Live discussions will include:
 - Update on AEMO systems developments (until complete)
 - Update on AEMO preparation for deployment into pre-prod
 - AEMO and Participant preparation for market testing in pre-prod
 - AEMO and Participant preparation for go-live
- **Proposal:** Use SWG timeslot to allow 2 week gap between PCF and RWG for better flow of information.

SWG Terms of Reference

Purpose

- A forum for AEMO to inform and consult with industry stakeholders *during AEMO's IT system development* to support 5MS and GS implementation.

Scope

- Contribution to the identification of risks and issues from a systems perspective.
- AEMO's systems development that impacts industry stakeholders for:
 - Bids and Offers
 - Settlements and Prudentials
 - Metering
 - Other areas impacted by the introduction of 5MS as required

Current context

- The *AEMO Internal Systems Development – Build Complete* and the final drop into the 5MS Staging Environment are *on track for completion by 31-Aug-20* meaning that the purpose and scope of the SWG is near completion
- Post 31-Aug-20, AEMO systems workstream will turn its attention to preparing systems deployment into the pre-production environment where it will be available for participant testing.

Will anything else change?

- PCF to remain on a monthly basis with same scope
- Focus Groups will still be used as needed e.g. to discuss specific technical topics or readiness issues
- Transition Focus Group to remain for the duration of the current plan
- ITWG timetable to be aligned with updated Industry Testing and Market Trial Strategy
- Q&A Sessions continue on a monthly basis
- Q&A sessions for the two remaining drops into the 5MS Staging Environment to be organised

Benefits of Change

- ✓ Reduces the demand on participant attendance at 5MS Working Groups
- ✓ Reduces duplication
- ✓ Aligns the systems and readiness timelines to enable clearer communication
- ✓ Better facilitates end-to-end discussions with AEMO subject matter experts

Next steps

- Present to the SWG on 17 June
- Receive feedback from RWG and SWG by Fri 26 June
- If agreeable, present to PCF with a view of implementing change for August



Tell us what you think: 5MS@aemo.com.au

Participant testing scope and preparation

Tui Grant

Approaches for testing

- Assumes current timeframes:
 - MDM release 9-Mar-21
 - Dispatch and settlements releases 1 Apr 21
 - 5MS commencement 1 Jul 21
 - GS commencement 6 Feb 22
- Industry Testing and Market Trials Strategy: Updated in line with MDM deferral
- Feedback sought on the recommended testing approach for platform deployments
- Participants requested to nominate requirements for the proposed test approach to ensure industry testing can confidently be conducted

Next Steps:

- Consolidate feedback when received
- Confirm the preparation timeframes (based on feedback)
- Confirm refresh dates for each release

Market testing: definitions

Type of market testing	Description	Example
Market testing / participant testing	The generic term used to describe all three test types outlined below	
Industry testing	Self-testing of functionality such as connectivity, and/or coordinated multiparty testing of functional scenarios	Testing a change request (CR) or processing a reallocation
Invitation industry testing	Coordinated testing of business process scenarios with a select number or subset of participants with systems ready for testing.	Testing NMI transfer process or receipt of meter read files for settlements
Market trial	Coordinated multi-party end-to-end testing of business process scenarios.	Meter exchange involving CRs, services orders and 5-minute meter reads

Proposed market testing approach

Proposed go-live/ commencement	Current test approach	Proposed test approach	Proposed timeframe	Comments
Dispatch and Bidding 01-Apr-21	Market trials: Both 5-min and 30-min functionality	Industry testing: 5-min functionality only	29-Nov-20 to 1-Apr-21 (~18 weeks)	<ul style="list-style-type: none"> Participants will be able to access, test and develop against the new 5MS functionality.
Settlements 01-Apr-21	Market trials: Both 5-min and 30-min functionality	Industry testing: 30-min only	17-Feb-21 to 15 Mar-21 (~4 weeks)	<ul style="list-style-type: none"> AEMO will generate a full suite of invoices for 30 minute data Half will be produced using the existing MDM and the remainder using data from the new MDM. Updated Prudential data will also be made available to allow participants to fully test their solutions.
MDM Platform 09-Mar-21	Market trials: Both 5-min and 30-min functionality	Invitation industry Testing: 30-min only	1-Feb-21 to 3 Mar-21 (~4 weeks)	<ul style="list-style-type: none"> Co-ordinated testing with MDP's to validate MTRD and MDMT transactions. Available for all other participants to verify reports, API's and schema testing.
5MS Commencement 01-Jul-21	Market trials: 5-min capability across all streams	Market trials: 5-min capability across all streams	6-Apr-21 to 31-May - 21 (~8 weeks)	<ul style="list-style-type: none"> Co-ordinated testing of bidding, dispatch, settlements and metering with all participants who want to take part Consistent with current planned scope and timing of 5MS capability market trial
GS Commencement 06-Feb-22	Market trials: GS with financial settlement	Market trials: GS with financial settlement	1-Oct-21 to 15-Nov-21 (~6 weeks)	<ul style="list-style-type: none"> Co-ordinated testing of settlements and metering with all participants who want to take part Scope and timing as for the current approach Proposed timeframe

Test scope proposal: Dispatch & bidding

*As discussed with the ITWG (29 May meeting)

Proposed go-live/ commencement	Current test approach	Proposed test approach	Comment
Dispatch and Bidding (01-Apr-21)	Market trials: Both 5-min and 30- min functionality	Industry testing: 5-min functionality only	<ul style="list-style-type: none">Participants will be able to access, test and develop against the new 5MS functionality.

Suggested Scope

- Transition state available for half the period before transitioning to end state available

Test scope proposal: Settlements

*As discussed with the ITWG (29 May meeting)

Proposed go-live/ commencement	Current test approach	Proposed test approach	Comment
Settlements (01-Apr-21)	Market trials: both 5-min and 30- min functionality	Industry testing: 30-min only	<ul style="list-style-type: none">• AEMO will generate a full suite of invoices for 30-min data• Updated Prudential data will also be made available to allow participants to fully test their solutions.
Suggested Scope <ul style="list-style-type: none">• Integrated across reallocations, settlements and prudential• Produce Invoices for 30 minute against new MDM			

Test scope proposal: Metering

*As discussed with the ITWG (29 May meeting)

Proposed go-live/ commencement	Current test approach	Proposed test approach	Comment
MDM Platform	Market trials: Both 5-min and 30-min functionality	Invitation industry testing: 30-min only	<ul style="list-style-type: none">• Co ordinated testing with MDP's to validate MTRD and MDMT transactions.• Available for all other participants to verify reports, API's and schema testing.

Suggested Scope

- Prepare a settlement for 30 minute from new MDM against existing Settlements

Discussion Points

- Areas of concern related to B2B testing and approach?
- Participant feedback on suggested test scope?
 - Requested via the ITWG

Readiness reporting

Austin Tan

Rule change proposal – Readiness reporting approach

- Currently the third readiness survey is scheduled for release on Tuesday, 7 July 2021.
- The final rule determination will be published on Thursday, 9 July 2021 under an expedited process.
- AEMO proposes that the survey is delayed to allow organisations to report on their readiness after taking into account the determination.

	Scenario 1: No change to 5MS and GS commencement dates	Scenario 2: Change to 5MS and GS commencement dates
Proposed reporting approach	<ul style="list-style-type: none"> • Readiness survey will be released one day after the final determination on 10 July 2020. • No changes to survey content. 	<ul style="list-style-type: none"> • Pause readiness reporting until August 2020, with a special survey released instead to understand how each organization is responding to the deferral. • Special survey will facilitate the development of a consolidated view on the industry's response, which will be reported to the Executive Forum. • Example question - 'How is your organisation's delivery of 5MS and GS expected to change as a result of the AEMC's decision to defer the Rule commencement dates by 'x' months? • When readiness reporting resumes in August, propose to reduce reporting frequency from every 2 months to every 3 months until July 2021. Resume 2 month frequency after July 2021. • <i>To be discussed at RWG</i>

Readiness reporting – Actions from previous RWG

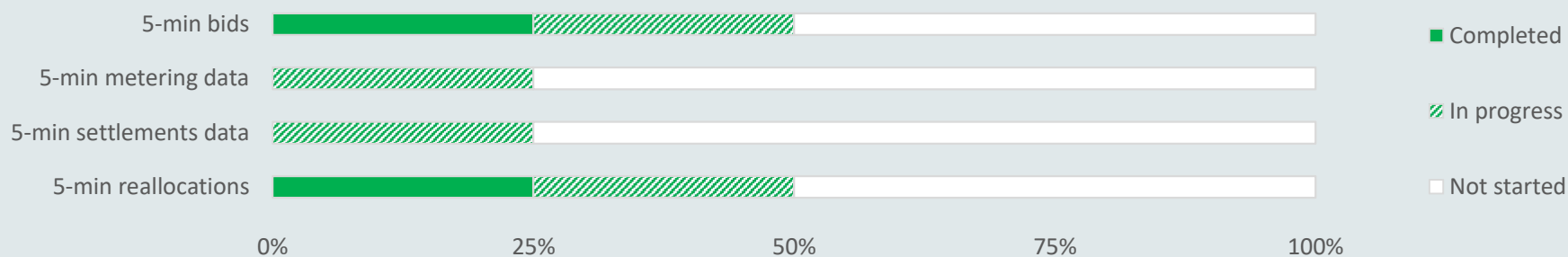
1. AEMO to consider providing additional guidance alongside readiness reporting survey questions
 - A link to the progression guide will be provided alongside the online readiness reporting survey questions
2. AEMO to include latest MTP with readiness reporting survey
 - A copy of the latest MTP will be sent out to the RWG alongside the readiness reporting survey
3. AEMO and RWG to consider alternative ways of communicating readiness reporting survey results
 - Three responses received from RWG. Suggestions to consider horizontal chart as alternative option. See next page for examples. Does the RWG prefer this format?

Readiness reporting presentation – Bar chart example (1)

i. General criteria – Generators (Yes, %)

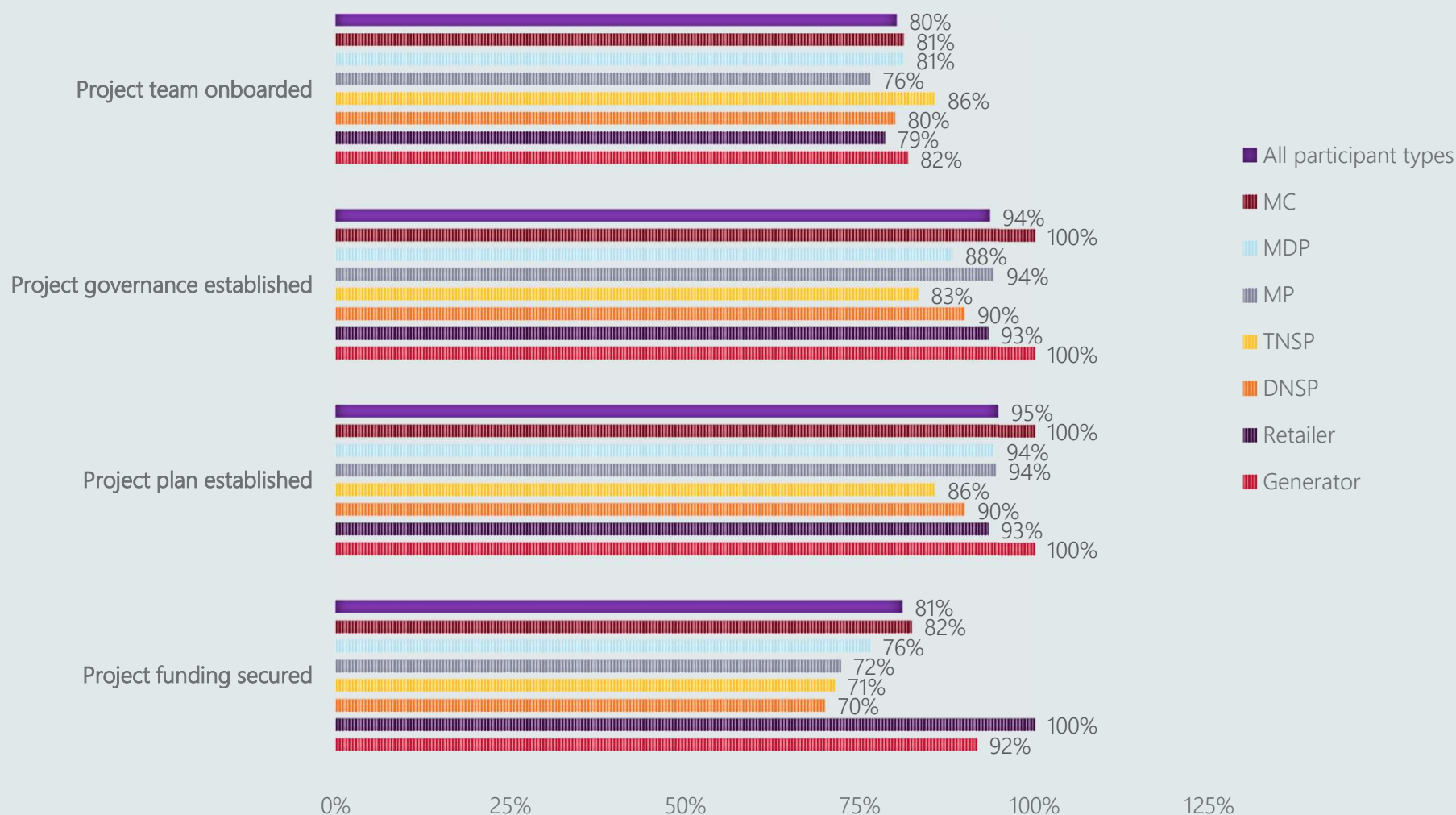


ii. Specific criteria – Generators (Average progress, %)



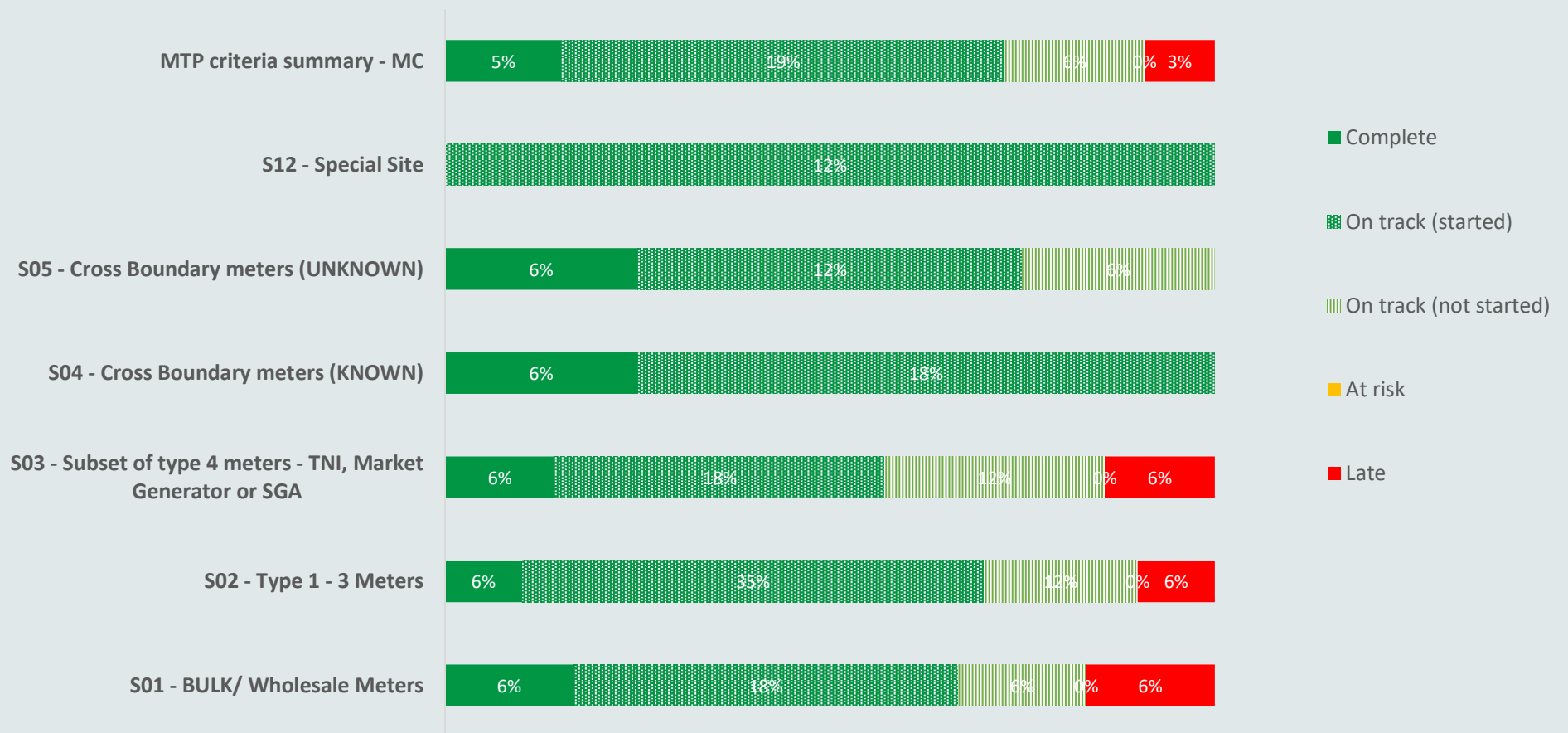
Readiness reporting presentation – Bar chart example (2)

iii. General criteria - By participant type (Yes, %)



Readiness reporting presentation – Bar chart example (3)

iv. MTP Criteria – MC (Status, %)



Review of readiness reporting plan

The readiness reporting plan will be revised to align with:

- Updates made in the second reporting round e.g. adding MC as participant type, additional readiness criteria
- Any updates as a result of the rule change proposal.

Action	Responsibility	Date
Updated readiness reporting plan published	AEMO	Fri 17 Jul
Comments on updated plan due	RWG	Fri 31 Jul
Updated plan published taking feedback into consideration	AEMO	Fri 14 Aug

Readiness reporting: Discussion

- Presentation approach and format of readiness reporting results
 - Different presentation format (e.g. bar chart format)
- Do participants see value in AEMO releasing individual survey responses?
 - Extent that individual participant responses should be transparent to the industry (e.g. fully identifiable, identifiable to the participant type, comments removed)
- Are there any other readiness criteria that should be monitored through readiness reporting?
- Any other changes to the readiness reporting plan?
- What is best way for RWG to actively consider the readiness reporting results on an ongoing basis?

Forward meeting plan

Greg Minney

Upcoming RWG meetings: Proposed content

Meeting Date	Meeting	Proposed Content
Jul-20	RWG #13	<ul style="list-style-type: none">• Combined with PCF: Briefing on AEMC deferral determination
Aug-20	RWG #14	<ul style="list-style-type: none">• Risks and issues workshop• MDM platform cutover planning approach

Upcoming meetings

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

Current as 7 May 2020

MAY						
Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

JUNE						
Su	Mo	Tu	We	Th	Fr	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

JULY						
Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

To be confirmed

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

Focus Groups
Dispatch
Metering
Settlements
Transition
Reconciliation
Contingency
Industry Testing

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

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

General questions

Greg Minney

APPENDICES

A: Readiness milestones

B: Industry readiness update

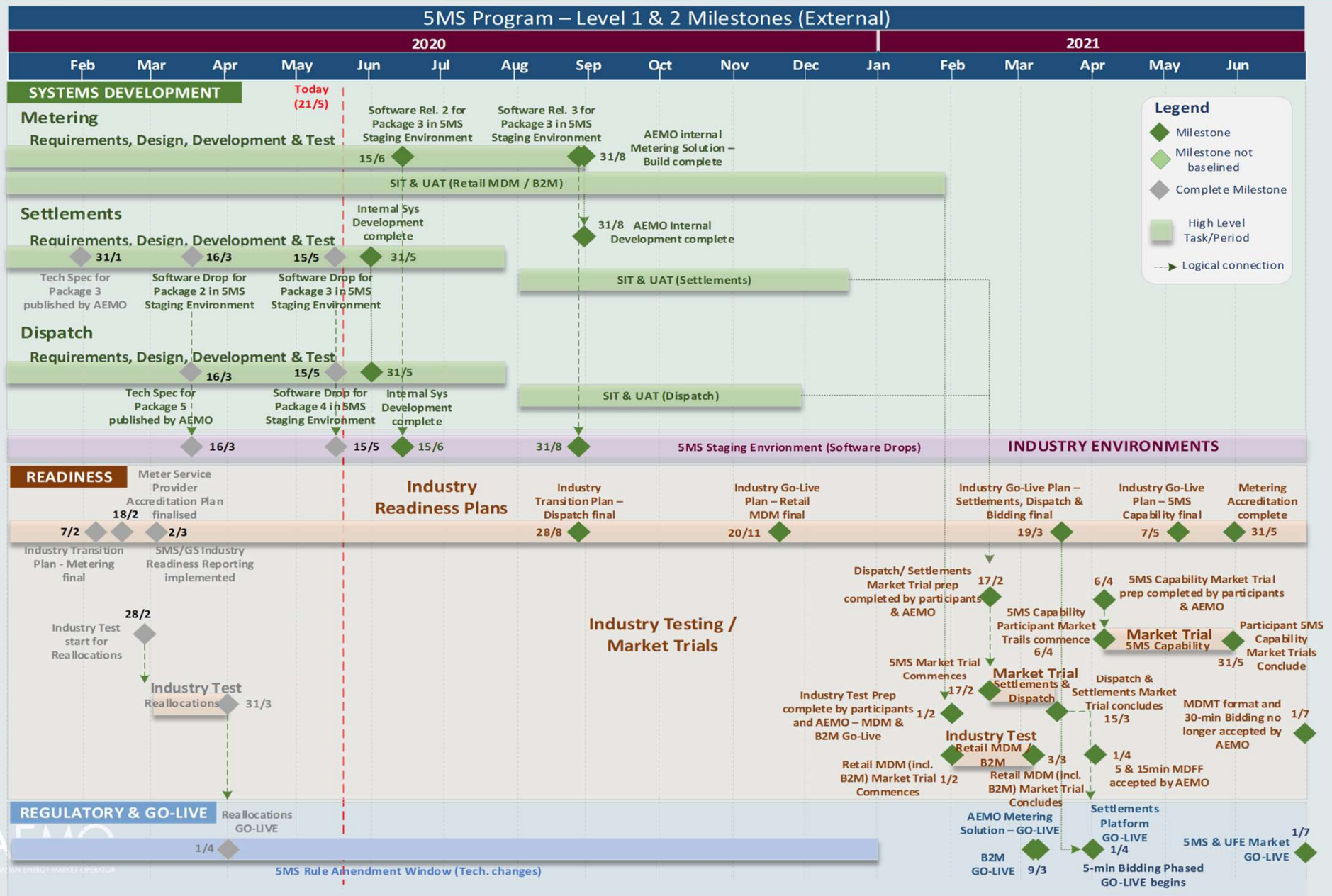
C: Metering procedure update

Readiness milestones

5MS Program Timeline (Jan '20 to Jul '21)

Level 1 and External Level 2 Milestones

Current as at 21-05-2020

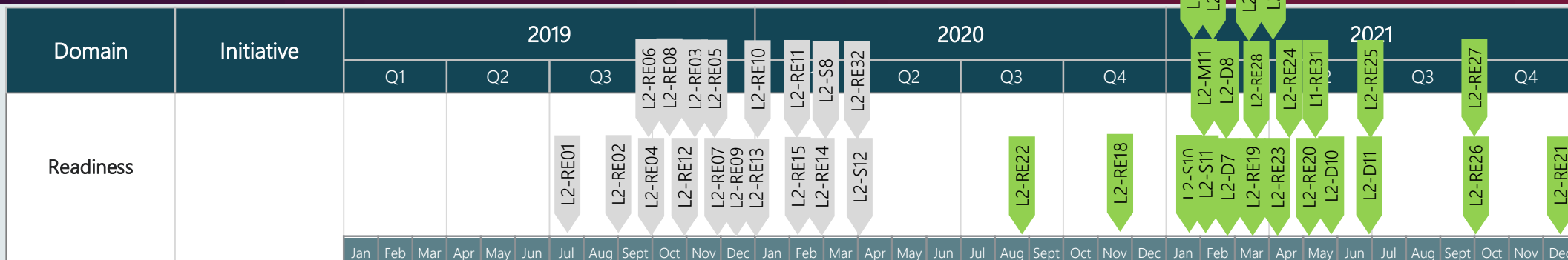


Reminder: Milestones that have changed as a result of change to MDM Go-Live

ID	Milestone	Previous Date	New Date	Owner
L1-M6	AEMO Internal Systems Development – Build Complete	30-Jun-2020	31-Aug-2020	AEMO
L1-19	AEMO Metering Solution Go-Live	07-Dec-20	09-Mar-21	AEMO
L2-M7	AEMO internal metering solution – build complete (internal)	30-Jun-2020	31-Aug-2020	AEMO
L2-M8	Software Release 3 for Package 3 in 5MS Staging Environment	31-Jul-2020	31-Aug-2020	AEMO
L2-M11	Market Trial preparation completed by participants for MDM and B2M Go-Live	22-Oct-2020	01-Feb-2021	Participants
L2-M12	Market Trial preparation completed by AEMO for MDM and B2M Go-Live	22-Oct-2020	01-Feb-2021	AEMO
L2-RE29	Retail MDM (incl. B2M) Market Trial Commences	22-Oct-2020	01-Feb-2021	AEMO
L2-RE30	Retail MDM (incl. B2M) Market Trial Concludes	19-Nov-2020	03-Mar-2021	AEMO
L2-M24	B2M Go-Live	17-Mar-2020	09-Mar-2021	AEMO
L2-M10	5 min and 15 min MDFF accepted by AEMO	01-Feb-2021	01-Apr-2021	AEMO

Level 2 Milestones – Readiness

Current as at 21-05-2020



Key Milestones (Program)

ID	Milestone	Target Date	Expected Date	Owner	Status
L2-RE01	Industry Working Group Established	15-Jul-2019	15-Jul-2019	AEMO	Complete
L2-RE02	Market Readiness Strategy Industry Draft	30-Aug-2019	30-Aug-2019	AEMO	Complete
L2-RE03	Market Readiness Strategy Finalised	29-Nov-2019	30-Oct-2019	AEMO	Complete
L2-RE04	Industry Test Strategy Industry Draft Released	30-Sep-2019	30-Sep-2019	AEMO	Complete
L2-RE05	Industry Test Strategy Finalised	29-Nov-2019	29-Nov-2019	AEMO	Complete
L2-RE06	Transition and Go Live Strategy Industry Draft Released	30-Sep-2019	30-Sep-2019	AEMO	Complete
L2-RE07	Transition and Go Live Strategy Finalised	29-Nov-2019	29-Nov-2019	AEMO	Complete
L2-RE08	Market Trial Strategy Industry Draft	30-Sep-2019	30-Sep-2019	AEMO	Complete
L2-RE09	Market Trial Strategy Finalised	29-Nov-2020	29-Nov-2019	AEMO	Complete
L2-RE10	Metering Service Provider Accreditation Update Plan Industry Draft	29-Nov-2019	29-Nov-2019	AEMO	Complete
L2-RE12	Industry Readiness Reporting Plan Industry Draft	31-Oct-2019	31-Oct-2019	AEMO	Complete
L2-RE13	Industry Readiness Reporting Plan Finalised	13-Dec-2019	13-Dec-2019	AEMO	Complete
L2-RE15	Industry Transition Plan – Metering final complete	07-Feb-2020	07-Feb-2020	AEMO	Complete
L2-RE14	5MS / GS Industry Readiness Reporting Implemented	28-Feb-2020	02-Mar-2020	AEMO	Complete
L2-S8	Industry Test start for Reallocations	01-Mar-2020	28-Feb-2020	AEMO	Complete

Level 2 Milestones – Readiness

Current as at 21-05-2020

Domain	Initiative	2019												2020												2021											
		Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4		
Readiness																																					
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

Key Milestones (Program)

- Milestone complete
- Milestone on track
- Milestone at risk
- Milestone not achieved

ID	Milestone	Target Date	Expected Date	Owner	Status
L2-RE11	Metering Service Provider Accreditation Plan Finalised	13-Mar-2020	18-Feb-2020	AEMO	Completed
L2-S12	Reallocations Go-Live	01-Apr-2020	01-Apr-2020	AEMO	Completed
L2-RE32	Industry Test for Reallocations Concludes	31-Mar-2020	31-Mar-2020	AEMO	Completed
L2-RE22	Industry Transition Plan – Dispatch final complete	28-Aug-2020	28-Aug-2020	AEMO	
L2-M11	Market Trial preparation completed by participants for MDM and B2M Go-Live	01-Feb-2021	01-Feb-2021	Participants	
L2-M12	Market Trial preparation completed by AEMO for MDM and B2M Go-Live	01-Feb-2021	01-Feb-2021	AEMO	
L2-RE29	Retail MDM (incl. B2M) Market Trial Commences	01-Feb-2021	01-Feb-2021	AEMO	
L2-RE30	Retail MDM (incl. B2M) Market Trial Concludes	03-Mar-2021	03-Mar-2021	AEMO	
L2-RE18	Industry Go-Live Plan Retail MDM finalised	20-Nov-2020	20-Nov-2020	AEMO	
L2-M24	B2M Go-Live	09-Mar-2021	09-Mar-2021	AEMO	
L2-M10	5 minute files in MDFF accepted by AEMO	01-Apr-2021	01-Apr-2021	AEMO	
L2-D7	Dispatch Market Trial preparation completed by participants	17-Feb-2021	17-Feb-2021	Participants	
L2-D8	Dispatch Market preparation completed by AEMO	17-Feb-2021	17-Feb-2021	AEMO	

Level 2 Milestones – Readiness

Current as at 21-05-2020

Domain	Initiative	2019												2020												2021											
		Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4		
Readiness																																					
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

Key Milestones (Program)

ID	Milestone	Target Date	Expected Date	Owner	Status
L2-S10	Settlements Market Trial preparation completed by participants	17-Feb-2021	17-Feb-2021	Participants	
L2-S11	Settlements Market Trial preparation completed by AEMO	17-Feb-2021	17-Feb-2021	AEMO	
L2-RE28	Dispatch and Settlements Market Trial concludes	15-Mar-2021	15-Mar-2021	AEMO	
L2-RE19	Industry Go-Live Plan Settlements, Dispatch & Bidding finalised	19-Mar-2021	19-Mar-2021	AEMO	
L2-RE23	5MS Capability Market Trial preparation completed by participants	06-Apr-2021	06-Apr-2021	Participants	
L2-RE24	5MS Capability Market Trial preparation completed by AEMO	06-Apr-2021	06-Apr-2021	AEMO	
L2-RE31	5MS Capability Market Trial commences	06-Apr-2021	06-Apr-2021	AEMO	
L2-RE20	Industry Go-Live Plan – 5MS Capability final complete	07-May-2021	07-May-2021	AEMO	
L2-D10	5MS Capability Market Trial concludes	31-May-2021	31-May-2021	AEMO	
L2-D11	30-min Bidding no longer accepted by AEMO	01-Jul-2021	01-Jul-2021	AEMO	
L2-RE25	MDMT format no longer accepted by AEMO for interval meters	01-Jul-2021	01-Jul-2021	AEMO	
L2-RE26	GS Market Trial preparation completed by participants	01-Oct-2021	01-Oct-2021	Participants	
L2-RE27	GS Market Trial preparation completed by AEMO	01-Oct-2021	01-Oct-2021	AEMO	
L2-RE21	Industry Go-Live Plan – GS Capability final complete	21-Dec-2021	21-Dec-2021	AEMO	

- Milestone complete
- Milestone on track
- Milestone at risk
- Milestone not achieved

Industry readiness update

Readiness stakeholder engagement (1/2)

Past events (since prior RWG meeting)

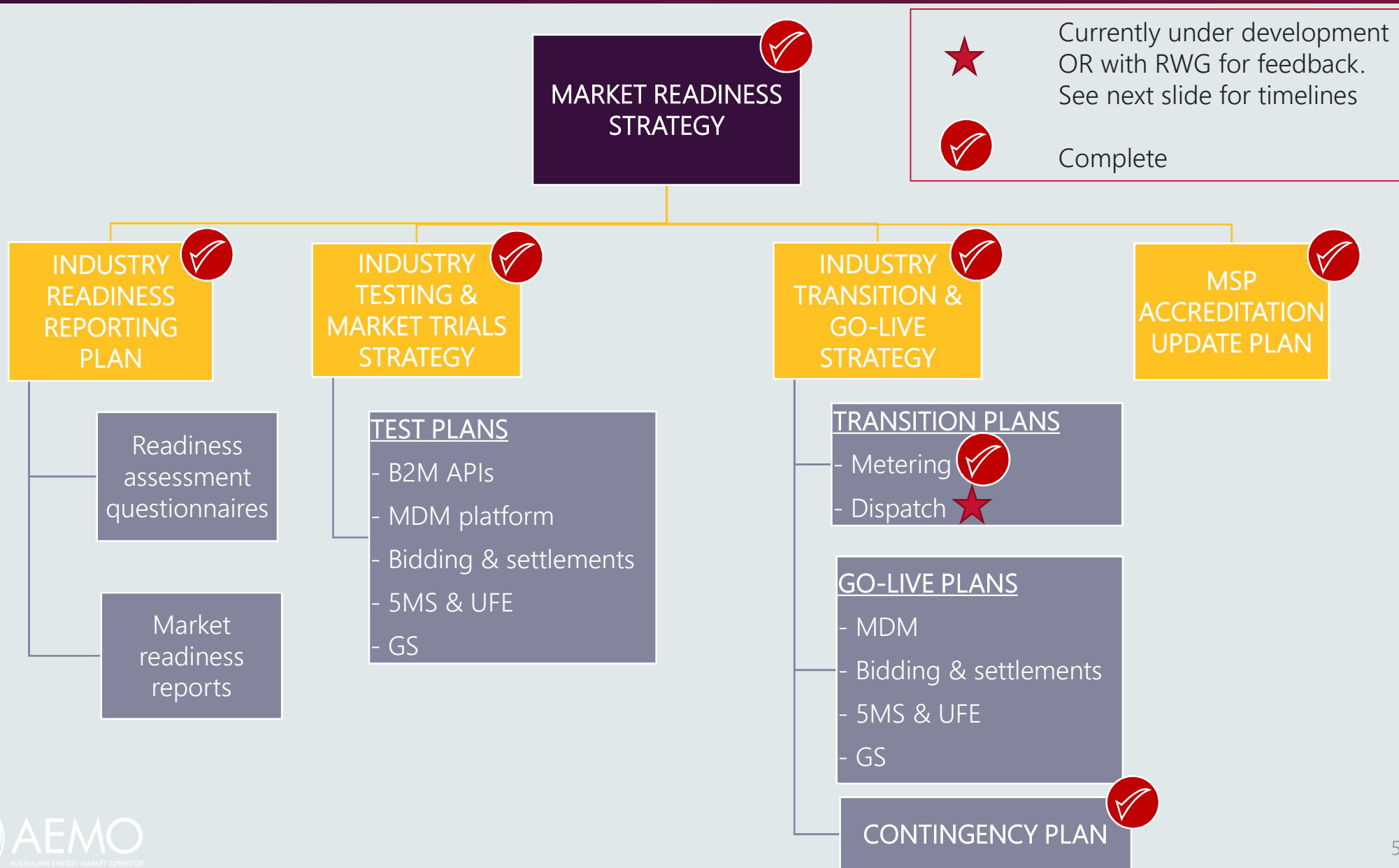
- 5MS Staging environment Q&A session
 - Wed 3 June
 - Webex
 - For anyone with questions on the 5MS staging environment.
- 5MS Q&A session
 - Fri 5 June
 - Webex
 - For anyone with questions on the 5MS Program.

Readiness stakeholder engagement (2/2)

Upcoming events

- Dispatch Focus Group
 - Mon 29 June, 10am – noon
 - WebEx
 - Discussion and development of 5MS Bidding Transition Plan
- Combined PCF/RWG meeting
 - TO BE CONFIRMED
 - WebEx
 - Debrief on the AEMC's 5MS deferral determination

Readiness papers - status



Maintaining readiness papers

- Readiness papers will all need reviewing and updating to reflect:
 - Change to MDM milestone
 - Any change to 5MS commencement date arising from the proposed deferral rule change request
- These will be tracked through the document control log

Readiness reporting - timelines

TBC in discussion with RWG in relation to proposed 5MS/GS deferral

Readiness reporting	Survey released	Survey responses due	Distribute results	Discuss at RWG	Discuss at PCF	Discuss at EF
Round #1	05-Feb-20	14-Feb-20	2-Mar-20	11-Mar-20	05-Mar-20	12-Mar-20
Round #2	14-Apr-20	23-Apr-20	07-May-20	14-May-20	02-Jun-20	TBC
Round #3	07-Jul-20	16-Jul-20	30-Jul-20	13-Aug-20	03-Sep-20	TBC
Round #4	01-Sep-20	10-Sep-20	24-Sep-20	08-Oct-20	05-Nov-20	19-Nov-20
Round #5	03-Nov-20	12-Nov-20	26-Nov-20	09-Dec-20	tbc	tbc

	FEB			MAR		APR		MAY		JUN	JUL			AUG	SEP			OCT	NOV			DEC
Round #1	Wed 5 Feb	Fri 14 Feb	Fri 28 Feb	Thu 5 Mar	Wed 11 Mar																	
Round #2						Tue 14 Apr	Thu 23 Apr	Thu 7 May	Thu 14 May	Tue 2 Jun												
Round #3											Tue 7 Jun	Thu 16 Jun	Thu 30 Jul	Thu 13 Aug	Thu 3 Sep							
Round #4															Tue 1 Sep	Thu 10 Sep	Thu 24 Sep	Thu 8 Oct	Thu 5 Nov			
Round #5																			Tue 3 Nov	Thu 12 Nov	Thu 26 Nov	Thu 9 Dec

Survey released

Responses due

Results distributed

Discuss at RWG

Discuss at PCF

Metering procedures update

5MS/GS-related procedure change log

Procedure issue	Status
MDFF file size and transaction limit in file	<p>Initial feedback to first and second stage B2B procedures consultation showed majority support for:</p> <ul style="list-style-type: none"> • MDFF file size 10MB • MDFF 1,000 transaction limit in file • non-contestable unmetered loads – use of existing B2B transactions for this family of NMIs <p>Third round of consultation has closed for other matters, however above matters are confirmed. Final report due mid-July.</p>
Proposed procedural change to MDFF quality flag (N flag)	AEMO submitted an ICF for ERCF consideration at March meeting. AEMO to compile a 'change information pack', presented at the 15 May ERCF. ERCF and AEMO decided to take to consultation. Consultation commences early August, anticipated to be concluded early December.
Proposal for RWD[?]	Part of MSATS Standing Data Review. Draft determination was published Thu 14 May 20. Submissions period closes Fri 5 June.
Removal of end user details from inventory table	Consultation commences early August, anticipated to be concluded early December.
TNI 2 for cross-boundary meters	Part of MSATS Standing Data Review. Draft determination was published Thu 14 May 20. Submissions period closes Fri 5 June.
Obligation for MC to provide updated or substitution data in the cases of theft or fraud	Original ICF lodged by AGL. Relates to UFE calculation. Discussed at ERCF May meeting. On hold pending compliance discussions.
Removal of register ID = suffix requirement	ICF lodged by AusNet discussed at ERCF May meeting. Survey underway to scope materiality.
NCONUML objections to CR 2000/2001	ICF lodged by Origin. ICF review by ERCF inconclusive, AEMO reviewed and concluded that ICF will not proceed as very low materiality.

Metering procedures update

Electricity Retail Consultative Forum - next meeting Thu 18 June 20

- <https://aemo.com.au/Stakeholder-Consultation/Industry-forums-and-working-groups/Retail-meetings/Electricity-Retail-Consultative-Forum>

B2B Working Group – recent meeting Fri 5 June 20

- <https://aemo.com.au/Stakeholder-Consultation/Industry-forums-and-working-groups/Retail-meetings/B2B-Working-Group>

