
Five-minute settlement and global settlement

December 2020

Market Readiness Report - Round 5

Summary Report

5MS GS Market Readiness Report - Round 5

Round 5 Summary

- The fifth readiness survey was administered in November 2020, allowing a shorter period between surveys so that industry members may have an assessment of industry readiness before the end of year holiday period.
- There has been consistent progress with participants project delivery, with the industry on track with capability development and metering transition activities.
- Confirmation of readiness status from one MP/MC with responsibility of essential meters is required for the reporting criteria of all essential industry capabilities to be satisfied.
- No new issues were identified between the fourth and fifth reporting round, however outstanding actions from the previous round remain. These include continuing to monitor the delivery status of a small generator, confirming the readiness status of a MP/MC responsible for essential meters, and assessing the extent that unknown cross boundary meters will be compliant by 1 October 2021.
- The overall AEMO program is on track and trending down. Delivery pressures remain particularly with the Retail workstream. The build for all 5MS and GS functionality is complete across all 3 releases, however development for non-critical items continue for the Retail release. Over the next period, the focus of the program will be on completing the Testing program, and continuing AEMO internal readiness preparation activities for go-live.
- Readiness reporting will resume in 2021, with the sixth round commencing on 2 February 2021. The 2021 reporting schedule will be provided at the latest Readiness Working Group.

5MS GS Essential Industry Capabilities

Essential capability	Relevant participants	Reporting criteria met	Number of participants					
			On Track	At Risk	Late	Not responded	Remediation Plan?	Escalation Required?
Generators and MNSPs are able to submit 5-min offers	Generators / MNSPs	Yes	16	0	1	3	No	No
All essential meters* are able to produce and store 5-min data	MPs	No	9	0	0	1	No	Yes
All essential meters* are able to produce and store 5-min data	MCs	No	11	0	0	1	No	Yes
All essential meters* are able to deliver 5-min metering data	MDPs	Yes	3	0	0	0	No	No
The 5-minute bidding and dispatch solution is deployed, including the web bidding interface	AEMO	Yes	1	0	0	0	No	No
The Metering Data Management (MDM) solution is deployed	AEMO	Yes	1	0	0	0	No	No
The 5-minute settlements solution is deployed	AEMO	Yes	1	0	0	0	No	No

* Essential meters are defined as transmission connected types 1-4 meters

* Please see background section at the start of this report for more information on the reporting criteria for essential industry capabilities

Actions log - Round 5

#	Status	Action	Comments
5.1	Open	AEMO to follow up with non-responding MP/MC with essential meters to confirm program status and if remediation is required	AEMO to follow up with relevant MP/MC. Escalation required if there is no response
5.2	Open	AEMO to establish with generator reporting 'late' if a remediation plan or escalation is required	Generator responding with a 'late' status has noted they expect to be on track in Q1 2021. AEMO will continue to monitor the readiness responses of this participant
5.3	Open	RWG to consider risk of cross boundary meters not appropriately configured by transition end date	Discussion at RWG 18 on extent of industry impact
5.4	Open	AEMO to follow up with relevant DNSP on potential risk to delivery timelines on MTP subcategories 'S26 - Cross boundary supplies' and 'S29 - NCONUML'	AEMO to follow up with relevant DNSP
5.5	Open	Participants to consider impact of late delivery of MTP subcategory 'S39 - Meter installation type code', and flow on impact to overall programs	Four MPs responded with a 'late' status, however no major impact to programs have been flagged. RWG to discuss if further action required.

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Actions log - Round 4			
#	Status	Action	Comments
4.1	Closed	AEMO to follow up with relevant MPS and MCs with essential meters to confirm program status and if remediation is required	Followed up with all relevant MPs and MCs. No remediation was required on participant programs. All except one MP/MC responded appropriately in the latest reporting round
4.2	Closed	AEMO to follow up to understand generators responding with a 'late' or 'at risk' status and establish level of remediation expected	Generator that responded with a 'at risk' status reported as 'on track' in the latest round of reporting. Generator that responded with a 'late' status noted that they expect to be on track in Q1 2021
4.3	Closed	RWG to consider impact of potential industry risks (Customer switching go-live, unknown cross boundary meters, vendor access to testing environment)	Risks discussed at RWG 17. AEMO continuing to monitor these risks
4.4	Closed	AEMO to follow up with relevant MC and confirm expected completion date of activity	Meeting held with relevant MC. Now responding as 'on track' in latest round of reporting
4.5	Closed	RWG to consider risk of cross boundary meters not appropriately configured by transition end date	Risks discussed at RWG 17. Discussion continued at RWG 18
4.6	Closed	Participants to consider impact of late delivery of MTP S39, and flow on impact to overall programs	Relevant participants were asked at the RWG to provide further details when responding to the next survey. Four participants are still responding that they are 'late' to complete this activity, however no major impact to programs have been flagged
4.7	Closed	Participants to schedule address accreditation requirements and suitable remediation approach	All participants are reporting as 'on track' for accreditation requirements in the latest round of reporting

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Supplementary Information

Background

To monitor the industry's level of readiness for the various SMS and GS transitional activities and commencements, AEMO will co-ordinate readiness reporting across the industry in accordance with the Readiness Reporting Plan.¹ NEM participants are invited to submit readiness information on a periodic basis through a Readiness Assessment Questionnaire. The results from these surveys are presented in this Market Readiness Report.

Readiness criteria

Participants' level of readiness will be assessed through general readiness criteria, specific readiness criteria, and also their status against the Metering Transition Plan (MTP).²

Criteria	Overview	Response options	Results presentation
General Readiness Criteria	Criteria related to the level of program establishment of participant programs.	Participants are asked to provide Yes / No responses to a set of program establishment questions e.g. if funding is secured.	All Yes and No responses are presented in a bar chart. All responses are unweighted.
Specific Readiness Criteria	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 October 2021, retailers ability to receive and reconcile 5 minute data.	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.	Participants' status and progression towards specific criteria are illustrated in a bar chart. Each segment of the bar represents 25% progress. The bar will progressively fill with solid colours as the criteria is completed. The bar chart will be coloured red, amber or green based on if the criteria is on track, at risk or late. All responses are unweighted.
Metering Transition Plan Status	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 SMS and GS metering transition.	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 expected to provide status reporting for activities that were relevant to their participant type.	All responses are presented in a bar chart. All responses are unweighted.

Participant industry coverage

The approach to gauging industry coverage for each readiness report is described below for each participant type.

Participant type	Industry coverage methodology	Data source
Generator	Generator respondents' capacity / NEM capacity	AER 2019 state of the market report - generation capacity data
Retailer	Retailer respondents' settlement vol. / NEM vol.	AEMO settlement data - 2019 calendar year
MP	MP respondents' total type 1-4 NMIs/ total type 1-4 NMIs	AEMO metering data
MDP	MDP respondents' total type 1-4 NMIs/ total type 1-4 NMIs	AEMO metering data
MC	MC respondents' total type 1-4 NMIs/ total type 1-4 NMIs	AEMO metering data
DNBP	Number of DNBP survey respondents / Total DNBP	AER 2019 state of the market report - DNBP data
TNSP	Number of TNSP survey respondents / Total TNSP	AER 2019 state of the market report - TNSP data

¹ Readiness documents, including the Industry Readiness Reporting Plan, and Metering Transition Plan can be accessed at: <https://www.aemo.com.au/initiatives/major-programs/nem-five-minute-settlement-program-and-global-settlement/readiness-workstream/key-readiness-documents>

² Ibid

Essential industry capabilities for SMS and GS commencements

The essential minimum capabilities for SMS and GS commencements are described below for each relevant participant type.

Essential capability	Relevant participant	Reporting Criteria
Generators and MNSPs are able to submit 5-min offers	Generators / MNSPs	a) Generators representing >80% of regional load are responding to Industry Readiness Surveys, and; b) Generators representing >80% of regional load are reporting 'On-track' to be able to submit 5-minute granularity offers
All essential meters* are able to produce and store 5-min data	MPs	a) 100% of MPs associated to essential metering are responding to Industry Readiness Surveys, and; b) 100% of MPs associated to essential metering are reporting 'On-track' for all applicable MTP activities
All essential meters* are able to produce and store 5-min data	MCs	a) 100% of MCs associated to essential metering are responding to Industry Readiness Surveys, and; b) 100% of MCs associated to essential metering are reporting 'On-track' for all applicable MTP activities
All essential meters* are able to deliver 5-min metering data	MDPs	a) 100% of MDPs associated to essential metering are responding to Industry Readiness Surveys, and; b) 100% of MDPs associated to essential metering are reporting 'On-track' for all applicable MTP activities (S01)
The 5-minute bidding and dispatch solution, including the web bidding interface is deployed	AEMO	a) AEMO reporting 'On-track' for all Bidding/Dispatch reporting criteria and milestones
The Metering Data Management (MDM) solution is deployed	AEMO	a) AEMO reporting 'On-track' for all MDM Milestones
The 5-minute settlements solution is deployed	AEMO	a) AEMO reporting 'On-track' for all Settlement Milestones

Disclaimer

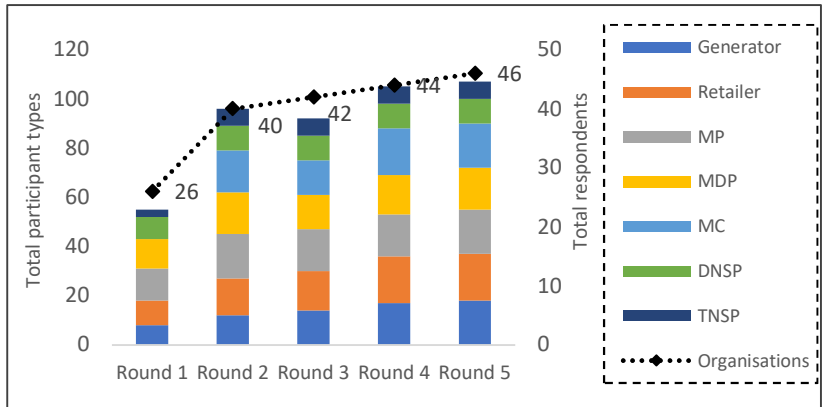
This market readiness report has been prepared by AEMO at the request of the industry for the purpose of tracking and monitoring the industry's level of readiness for SMS and GS. This report contains self-reported readiness information provided by participants, and may not be free from errors or omissions. Accordingly, to the maximum extent permitted by law, AEMO makes no representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of the information published here; and are not liable (whether by reason of negligence or otherwise) for any statements, opinions or other matters contained in or derived from this information, or any omissions from it, or in respect of a person's use of the information.

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Submissions

Strong survey coverage, with 46 respondents representing 93-100% of the industry. Response rate across all participant types provides representative industry coverage.

	This round	Prev. round	Δ (#)	Trend
Respondents	46	44	2	↑
Participant types	107	105	2	↑
Generator	18	17	1	↑
Retailer	19	19	0	-
MP	18	17	1	↑
MDP	17	16	1	↑
MC	18	19	-1	↓
DNSP	10	10	0	-
TNSP	7	7	0	↑



Industry coverage

	% Industry coverage	Industry coverage methodology
Generator	95.2%	Generator respondents' capacity / NEM capacity
Retailer	94.6%	Retailer respondents' settlement vol. / NEM vol.
MP	99.9%	MP respondents' total type 1-4 NMIs/ total type 1-4 NMIs
MDP	100.0%	MDP respondents' total type 1-4 NMIs/ total type 1-4 NMIs
MC	93.3%	MC respondents' total type 1-4 NMIs/ total type 1-4 NMIs
DNSP	100%	Number of DNSP survey respondents / Total DNSPs
TNSP	100%	Number of TNSP survey respondents / Total TNSPs

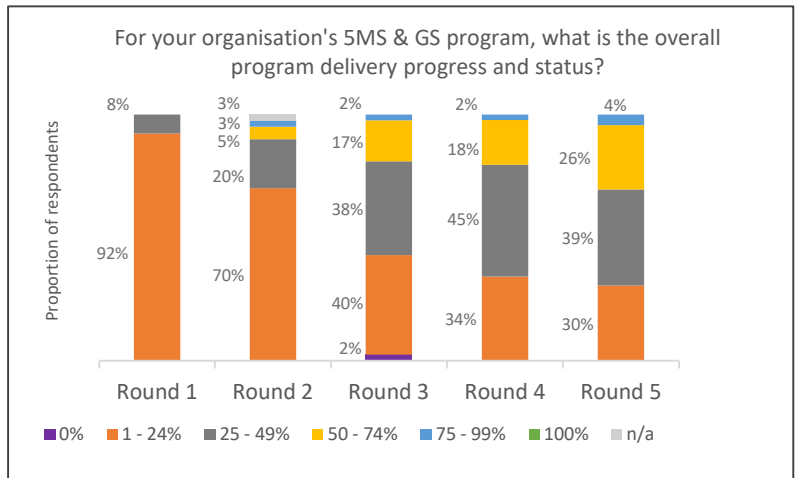
#	Topic	Observation / Actions
1	Response rate, All participant types	A total of 46 organisations responded to the fifth round of readiness reporting, representing an even mix of participant types. Response rate across all participant types provides representative industry coverage.
2	Response rate, All participant types	Coverage across the industry for all participant types ranges from 93% to 100%. This exceeds the 80% coverage threshold for reporting against essential criteria.
3	Response rate, All participant types	One MP/MC with responsibility of essential meters did not respond to the survey Action 5.1: AEMO to follow up with non-responding MP/MC with essential meters to confirm program status and if remediation is required.

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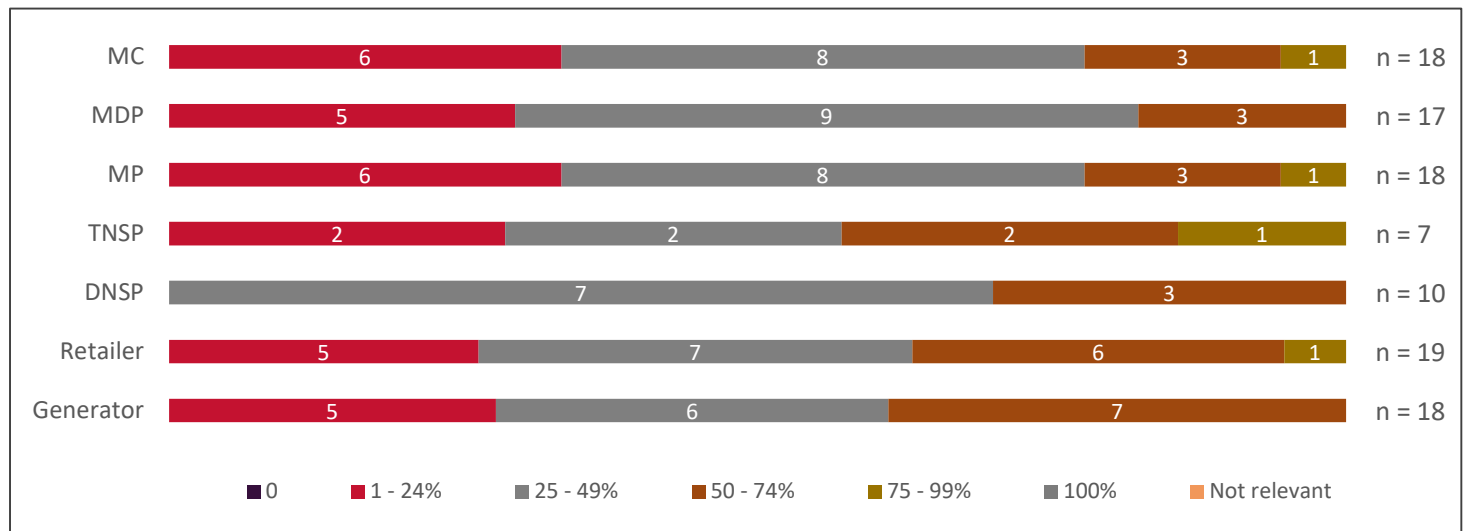
Overall program delivery progression, by reporting round

There has been a slight increase in the proportion of participants that have commenced the testing phase of their program, increasing from 18% to 26% between rounds. All except one respondent noted that they are on track.

	Round 1	Round 2	Round 3	Round 4	Round 5
0%	0%	0%	2%	0%	0%
1 - 24%	92%	70%	40%	34%	30%
25 - 49%	8%	20%	38%	45%	39%
50 - 74%	0%	5%	17%	18%	26%
75 - 99%	0%	3%	2%	2%	4%
100%	0%	0%	0%	0%	0%
n/a	0%	3%	0%	0%	0%
Total	100%	100%	100%	100%	100%



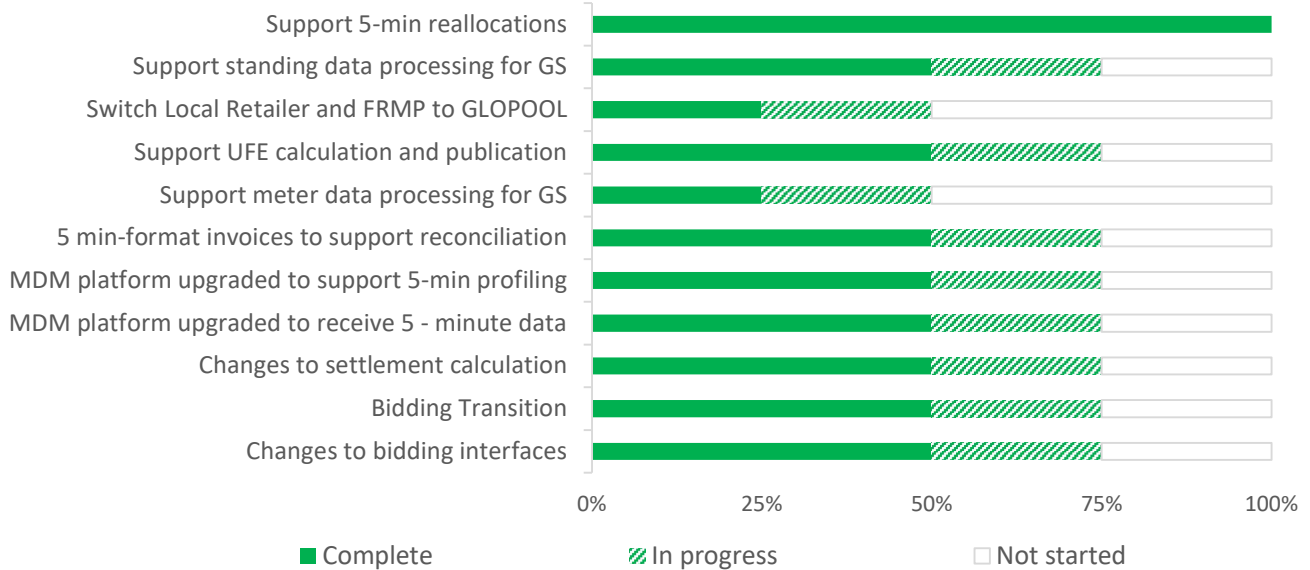
Participants' overall program delivery progression, by participant type - Round 5



#	Topic	Observation / Actions
4	Overall Participant Program Progress	There has been a slight increase in the proportion of participants that have commenced the testing phase of their program, increasing from 18% to 26% between rounds. Two thirds of participants are in the scoping and design phase of their programs. Majority of participants are on track to participate in market trials.
5	Overall Participant Program Status	Participants are reporting that their overall program is on track. One generator flagged that their overall program is 'late', noting that they are focusing on other priorities but expect to be on track by Q1 next year Action 5.2: AEMO to establish with generator reporting 'late' if a remediation plan or escalation is required
6	Raised risks	One DNSP noted a risk of delay in Unknown Cross Boundary meter installations due to delays in AEMO releasing guidelines. Action: RWG to discuss implications of potential industry risk

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AEMO Readiness Criteria



#	Topic	Observation / Actions
7	AEMO Readiness Criteria	The overall status for the AEMO capability delivery for rule commencement remains green. However, delivery pressures remain particularly with the Retail workstream for the platform go-live at 9th March. The build for all 5MS and GS functionality is complete across all 3 releases, however development for non-critical items continue for the Retail release. Over the next period, the focus of the program will be on completing the Testing program, and continuing AEMO internal readiness preparation activities for go-live.

5MS GS Essential Industry Capabilities

Essential capability	Relevant participants	Reporting criteria met	Number of participants					
			On Track	At Risk	Late	Not responded	Remediation Plan?	Escalation Required?
Generators and MNSPs are able to submit 5-min offers	Generators / MNSPs	Yes	16	0	1	3	No	No
All essential meters* are able to produce and store 5-min data	MPs	No	9	0	0	1	No	Yes
All essential meters* are able to produce and store 5-min data	MCs	No	11	0	0	1	No	Yes
All essential meters* are able to deliver 5-min metering data	MDPs	Yes	3	0	0	0	No	No
The 5-minute bidding and dispatch solution is deployed, including the web bidding interface	AEMO	Yes	1	0	0	0	No	No
The Metering Data Management (MDM) solution is deployed	AEMO	Yes	1	0	0	0	No	No
The 5-minute settlements solution is deployed	AEMO	Yes	1	0	0	0	No	No

* Essential meters are defined as transmission connected types 1-4 meters

* Please see background section at the start of this report for more information on the reporting criteria for essential industry capabilities

#	Topic	Observation / Actions
8	Submit 5 min offers, Generators	One generator reported a 'late' status for their readiness to submit 5-min offers, noting that they expect to be on track by Q1 next year. Action 5.2: AEMO to establish with generator reporting 'late' if a remediation plan or escalation is required
9	Submit 5 min offers, Generators	Three generators that contribute materially (>1%) to the NEM did not respond to the survey, including one generator in Queensland that contributes over 10% of load. However, generators that responded in Round 5 represent over 80% of capacity and load in each NEM region (using 2019 data), therefore satisfying the coverage criteria.
10	Essential meters, MP, MC	One MP/MC with responsibility of essential meters did not respond to the survey Action 5.1: AEMO to follow up with non-responding MP/MC with essential meters to confirm program status and if remediation is required.

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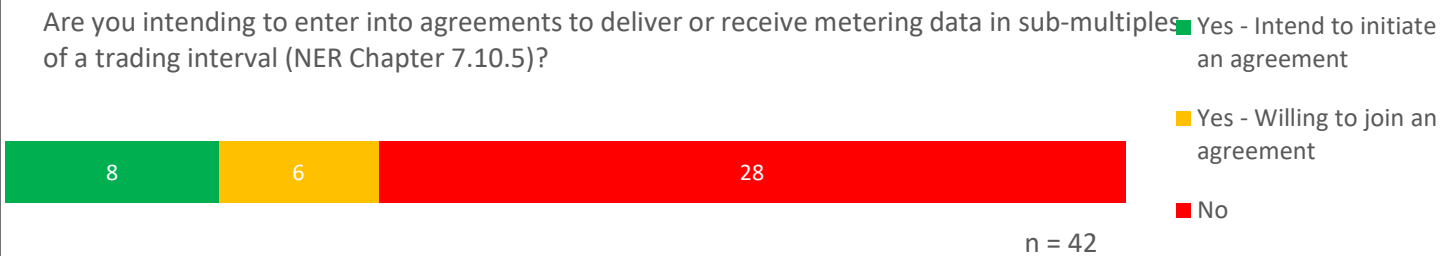
COVID-19 Response

Compared to your response in the previous reporting round (October 2020), have recent developments in the COVID-19 situation or your program's response changed your ability to implement 5MS and GS?

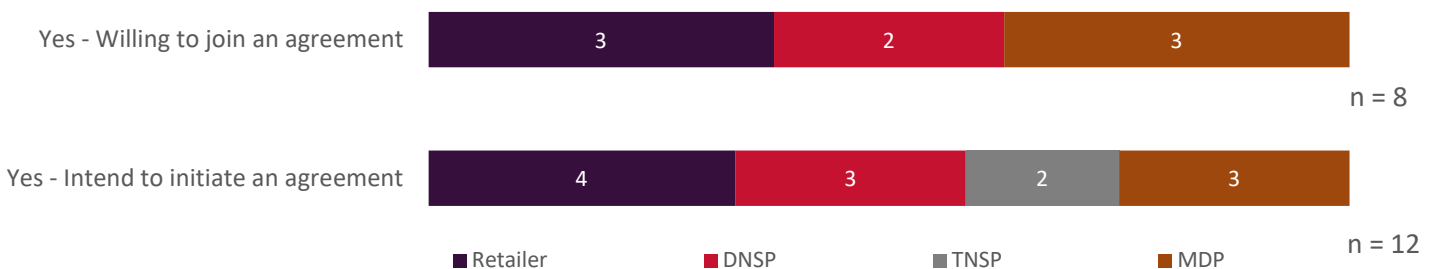


Early Delivery of 5-minute Data

Are you intending to enter into agreements to deliver or receive metering data in sub-multiples of a trading interval (NER Chapter 7.10.5)?



Participants intending to enter into agreement to deliver or receive metering data in sub-multiples of a trading interval, by participant type.



#	Topic	Observation / Actions
11	COVID-19 Response, All participants	Compared to the previous round of reporting, one participant was experiencing minor changes in their ability to implement 5MS and GS due to COVID-19. The remaining participants reported no change. No impact was noted against overall program progression.
12	Early delivery of 5-minute data, (Retailers, DNSPs, TNSPs, MDPs)	The number of participants that intend to initiate an agreement in this round of reporting increased, with two additional retailers reporting that they intend to initiate agreements. A number of participants have noted that they have started discussions to set up agreements. Participants are flagging that Q1 and Q2 2021 is when they expect to initiate or enter into agreements.

5MS GS Market Readiness Report - Round 5

Retailers

Number of respondents

19

% Industry coverage

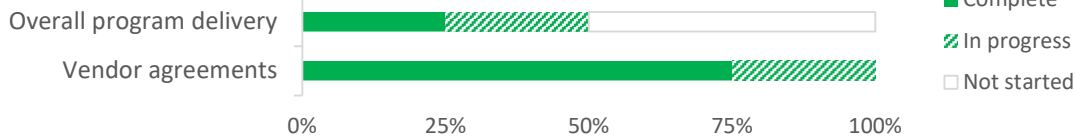
95%

Overall Progress and Status

Retailers have well established programs, with programs on average 25-49% complete. All retailers are reporting as on track.

General Readiness Criteria

General criteria - Average progression



General criteria - Progression responses

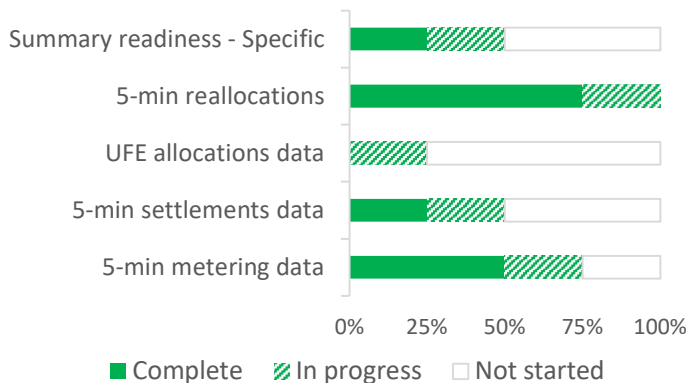


General criteria - Yes/No responses

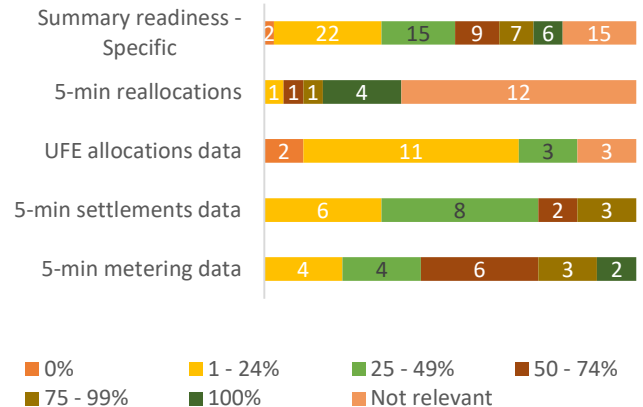


Specific Readiness Criteria

Specific criteria - Average progression



Specific criteria - Progression responses



#	Topic	Observation / Actions
13	General criteria (Overall program delivery), Retailers	Retailers are on average 25-49% progressed with their overall 5MS and GS program, with a generally even split between those that were 1-24%, 25-50%, and 50-74% progressed.
14	Specific criteria, Retailers	Retailers are reporting a wide range of responses when reporting on progression towards developing specific capabilities for 5MS and GS. They are 25-49% progressed on average, and are generally on track.
15	Specific criteria, Retailers	The average progression on 5-minute reallocations increased to 75-99% progressed, however the average progression of other retailer specific criteria remains the same.
16	Specific criteria, Retailers	One participant raised a risk of inaccurate UFE information if cross boundary meters are not appropriately configured by the transition end dates. Action 5.3: RWG to consider risk of cross boundary meters not appropriately configured by transition end date

5MS GS Market Readiness Report - Round 5

Generators

Number of respondents

18

% Industry coverage

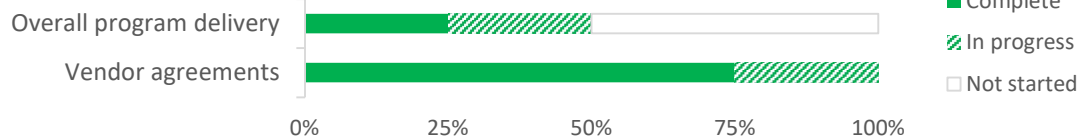
95%

Overall Progress and Status

Generators have well established programs, with programs on average 25-49% complete. Generators are generally reporting as on track, with one generator reporting a 'late' status for generator specific readiness criteria.

General Readiness Criteria

General criteria - Average progression



General criteria - Progression responses

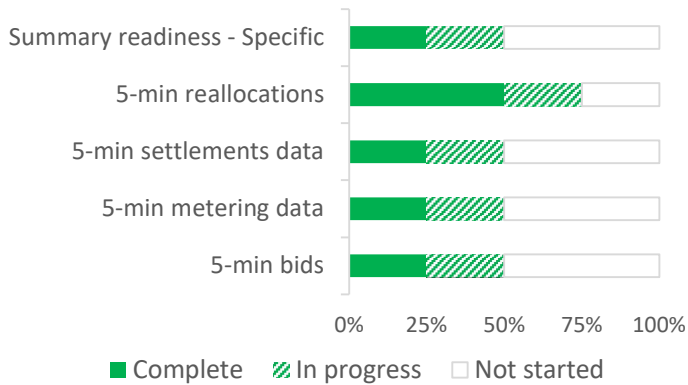


General criteria - Yes/No responses

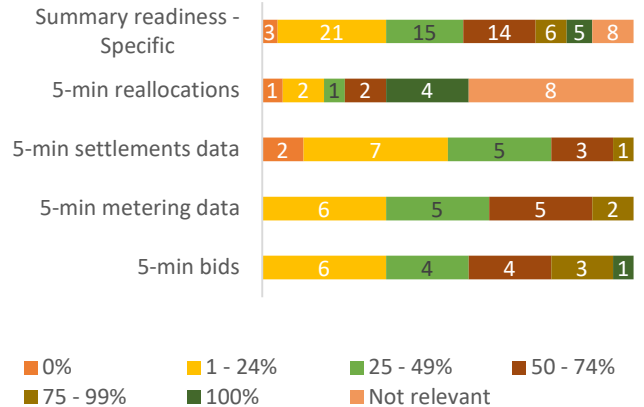


Specific Readiness Criteria

Specific criteria - Average progression



Specific criteria - Progression responses



#	Topic	Observation / Actions
17	Specific criteria, Generators	<p>Generators are reporting a wide range of responses when reporting on progression towards developing specific capabilities for 5MS and GS. They are 25-49% progressed on average, and are generally on track. One generator reported a late status, due to competing priorities and schedule pressures. They noted they expect to be on track in Q1 2021.</p> <p>Action 5.2: AEMO to establish with generator reporting 'late' if a remediation plan or escalation is required</p>
18	Specific criteria, Generators	<p>The average progression on 5-minute reallocations increased by one quadrant, however the average progression of other generator specific criteria remains the same.</p>

5MS GS Market Readiness Report - Round 5

TNSPs

Number of respondents

7

% Industry coverage

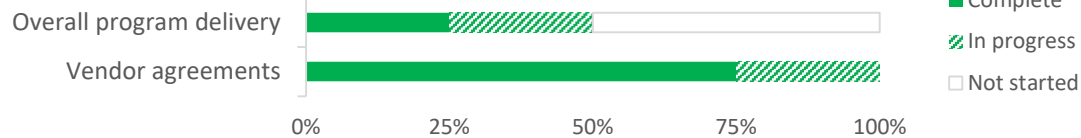
100%

Overall Progress and Status

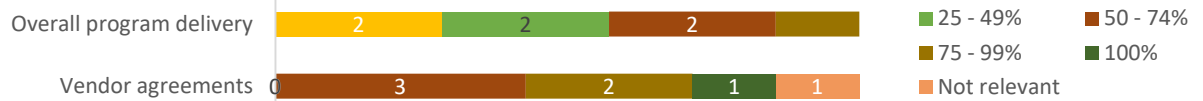
TNSPs have well established programs, with programs on average 25-49% complete. All TNSPs are reporting as on track.

General Readiness Criteria

General criteria - Average progression



General criteria - Progression responses

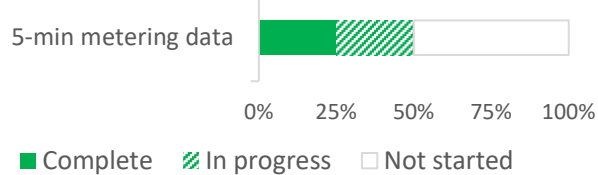


General criteria - Yes/No responses

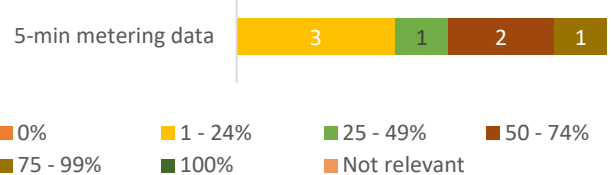


Specific Readiness Criteria

Specific criteria - Average progression

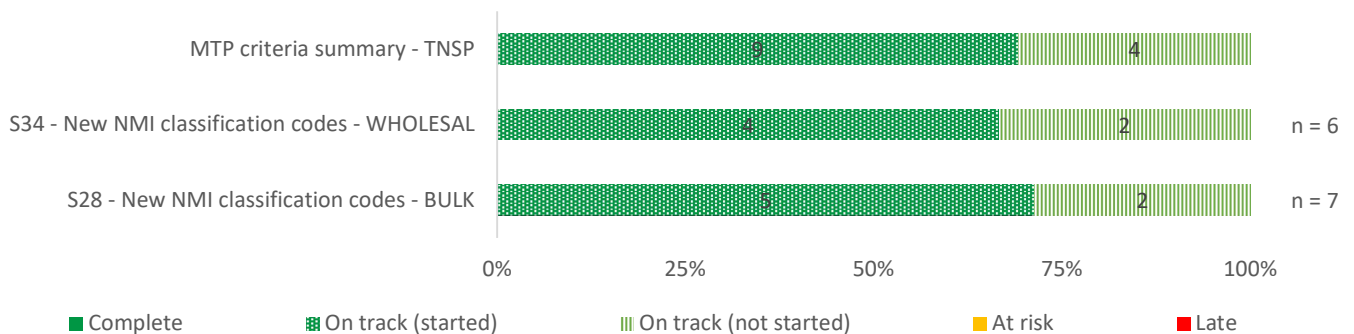


Specific criteria - Progression responses



Metering Transition Plan Criteria

MSATS Standing Data Creation and Maintenance



#	Topic	Observation / Actions
19	Specific Criteria, TNSPs	TNSPs are reporting a wide range of responses when reporting on progression towards supporting 5-minute metering data. They are 25-49% progressed on average, and are all reporting on track.
20	MTP Criteria, TNSPs	TNSPs are reporting that MTP activities are all on track. Note if a TNSP responded that a MTP sub-category is not relevant to them their response is omitted from the results.

5MS GS Market Readiness Report - Round 5

DNSPs

Number of respondents

10

% Industry coverage

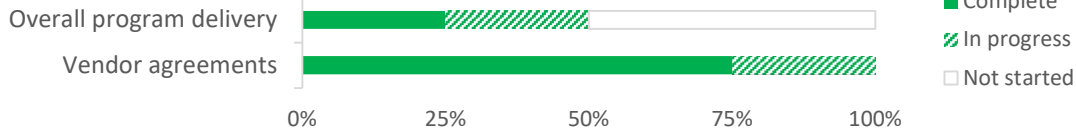
100%

Overall Progress and Status

DNSPs have well established programs, with programs on average 25-49% complete. All DNSPs are reporting as on track.

General Readiness Criteria

General criteria - Average progression



General criteria - Progression responses

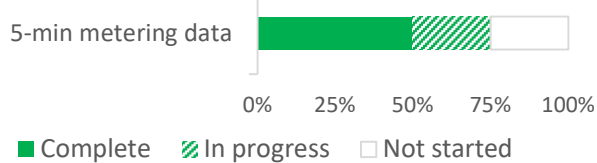


General criteria - Yes/No responses

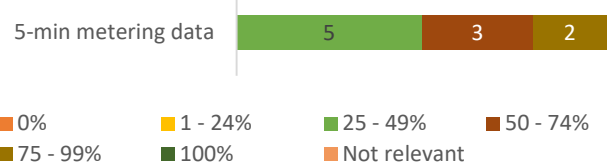


Specific Readiness Criteria

Specific criteria - Average progression

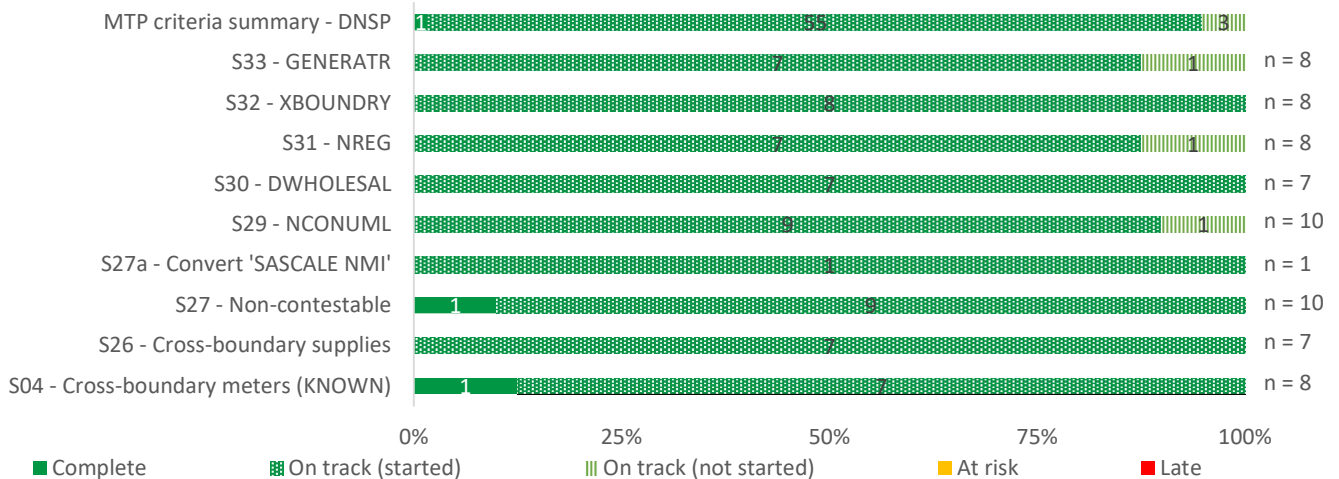


Specific criteria - Progression responses



Metering Transition Plan Criteria

MSATS Standing Data Creation and Maintenance



#	Topic	Observation / Actions
21	Specific Criteria, DNSPs	DNSPs are reporting a range of responses when reporting on progression towards supporting 5-minute metering data. They are 50-74% progressed on average, progressing by one quadrant compared to the previous round. All DNSPs are all reporting on track.
22	MTP Criteria, DNSPs	<p>DNSPs are reporting that MSATS Standing Data Creation and Maintenance activities in the MTP are on track, however commentary provided with survey responses indicate that one participant's delivery timeline for 'S26- Cross boundary supplies', and 'S29 NCONUML' might be at risk.</p> <p>Action 5.4: AEMO to follow up with relevant DNSP on potential risk to delivery timelines on MTP subcategories 'S26 - Cross boundary supplies' and 'S29 - NCONUML'.</p>

5MS GS Market Readiness Report - Round 5

MPs

Number of respondents

18

% Industry coverage

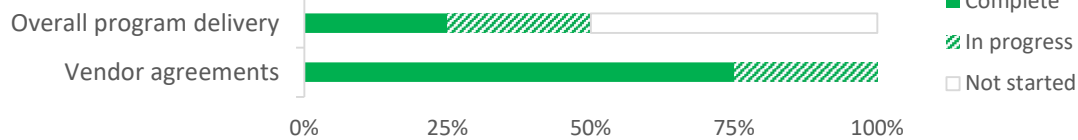
100%

Overall Progress and Status

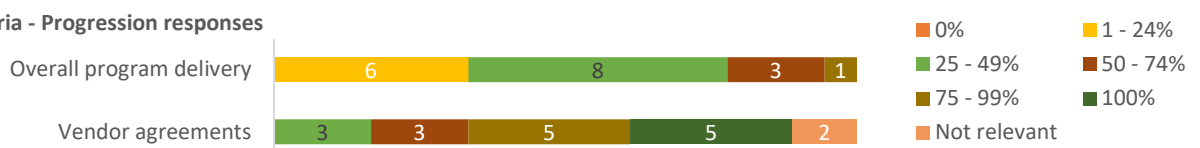
MPs have well established programs, with programs on average 25-49% complete. MPs are generally reporting as on track, however some have not performed a data cleanse of the meter installation type code by the transition end date prescribed in the MTP.

General Readiness Criteria

General criteria - Average progression



General criteria - Progression responses

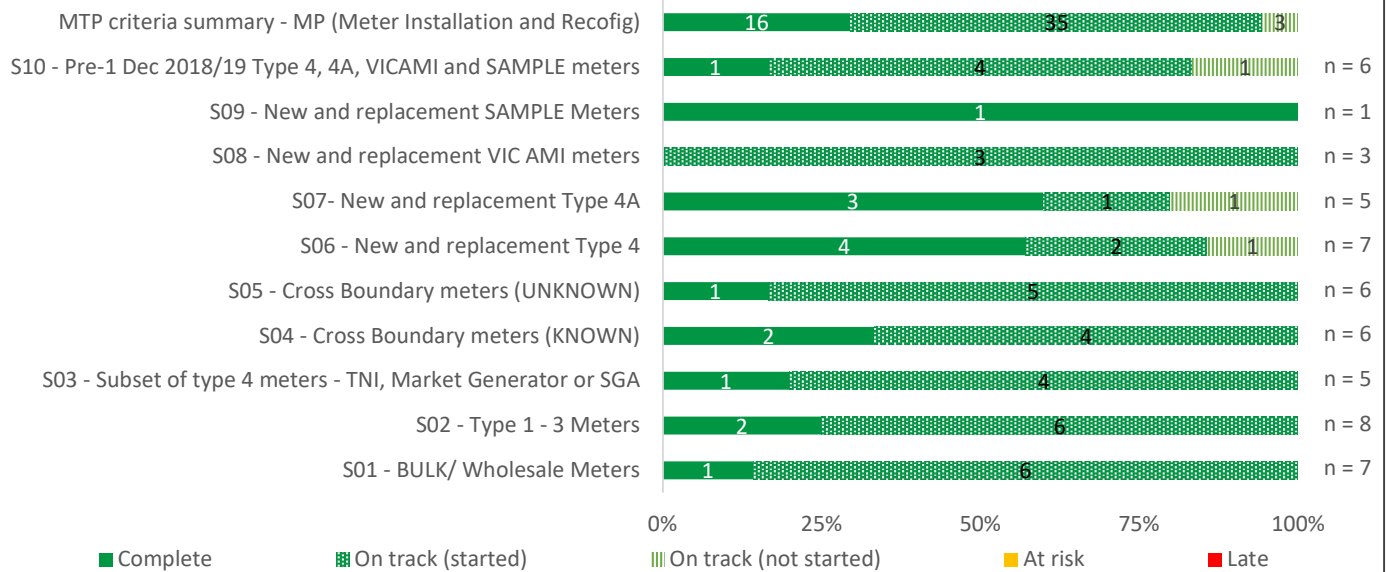


General criteria - Yes/No responses



Metering Transition Plan Criteria

Meter Installation and Reconfiguration



#	Topic	Observation / Actions
23	MTP Criteria (Meter Installation and reconfiguration), MPs	MPs are reporting that all MP related meter installation and reconfiguration activities are on track.
24	MTP Criteria, MPs	<p>One MP/MC with responsibility of essential meters did not respond to this survey.</p> <p>Action 5.1: AEMO to follow up with non-responding MP/MC with essential meters to confirm program status and if remediation is required.</p>

MPs

Number of respondents

18

% Industry coverage

100%

Metering Transition Plan Criteria

Meter Data Delivery

MTP criteria summary - MP (Meter Data Delivery)

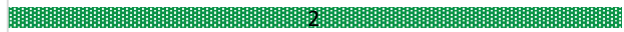


S22 - Type 7 metering installations



n = 10

S20 - New and replacement SAMPLE Meters



n = 2

S19 - New and replacement VIC AMI meters



n = 3

S18 - New and replacement Type 4A



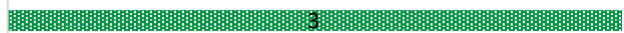
n = 5

S17 - New and replacement Type 4



n = 7

S16 - Cross Boundary meters (UNKNOWN)



n = 3

S15 - Cross Boundary meters (KNOWN)



n = 5

S14 - Type 1-3, subset of 4



n = 8

S13 - BULK/Wholesale Meters



n = 7

0%

25%

50%

75%

100%

MSATS Standing Data Creation and Maintenance

MTP criteria summary - MP (MSATS Standing Data Creation and...



S39 - Meter installation type code in MSATS



n = 11

S27a - Convert 'SASCALE NMI'



n = 1

S27 - Non-contestable unmetered loads



n = 9

S26 - Cross-boundary supplies



n = 5

0%

25%

50%

75%

100%

Metering Accreditation Updates

MTP criteria summary - MP (Metering Accreditation Updates)



S42 - MP accreditation update (for 1 Dec 2022)



n = 6

S41 - MP accreditation update (for 1 Oct 2021)



n = 12

0%

25%

50%

75%

100%

■ Complete

■ On track (started)

■ On track (not started)

■ At risk

■ Late

#	Topic	Observation / Actions
25	MTP Criteria (Meter Data Delivery), MPs	MPs are reporting that all MP related meter data delivery activities are on track.
26	MTP Criteria (MSATS Standing Data Creation and Maintenance), MPs	As outlined in sub-category S39 of the MTP, MPs are required to perform a data cleanse of the meter installation type code in MSATS by November 2019. However four MPs reported a 'late' status Action 5.5: Participants to consider impact of late delivery of MTP subcategory 'S39 – Meter installation type code', and flow on impact to overall programs
27	MTP Criteria, MPs	Note that if a MP responded that a MTP sub-category is not relevant to them their response is omitted from the results. AEMO also intends to cross reference MP survey responses with provided rollout plans.

5MS GS Market Readiness Report - Round 5

MDPs

Number of respondents

17

% Industry coverage

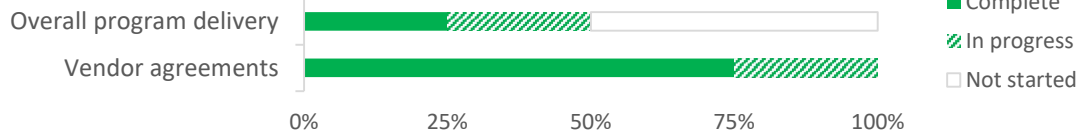
100%

Overall Progress and Status

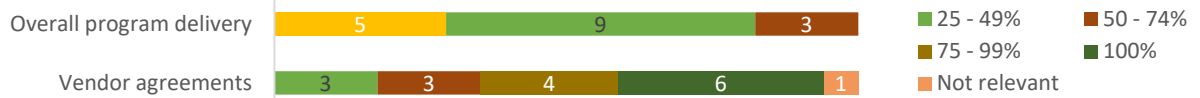
MDPs have well established programs, with programs on average 25-49% complete. All MDPs are reporting as on track.

General Readiness Criteria

General criteria - Average progression



General criteria - Progression responses

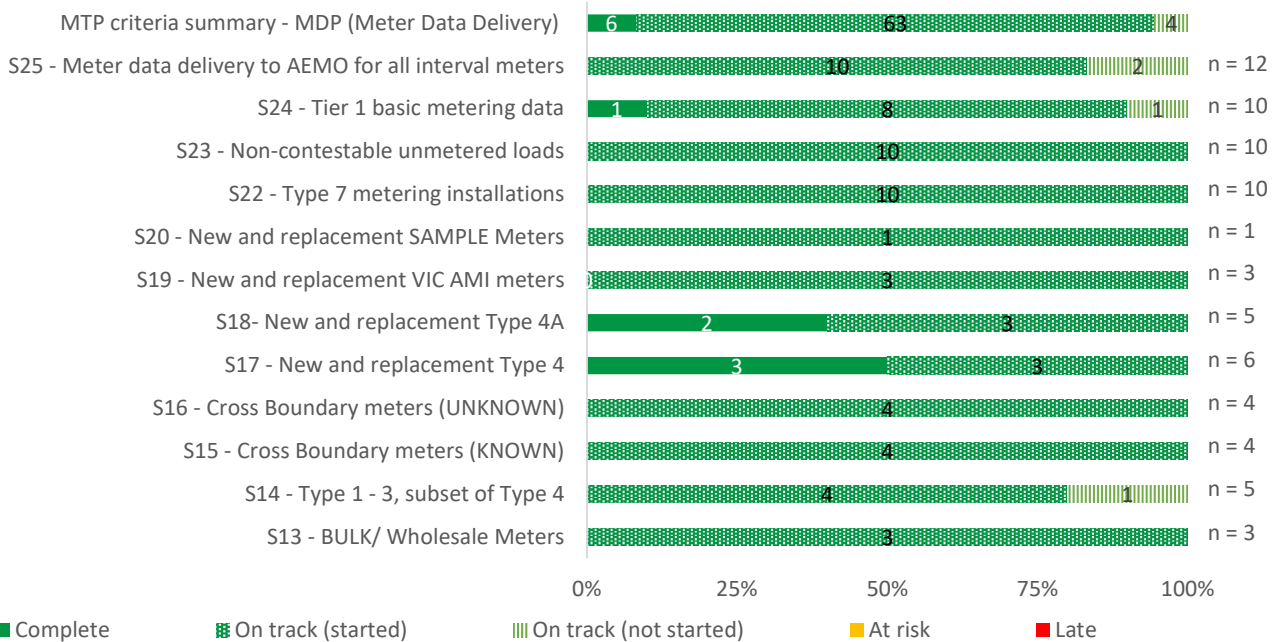


General criteria - Yes/No responses



Metering Transition Plan Criteria

Meter Data Delivery



#	Topic	Observation / Actions
28	MTP Criteria (Meter Data Delivery), MDPs	MDPs are reporting that all MDP related Meter Data Delivery activities are on track.

5MS GS Market Readiness Report - Round 5

MDPs

Number of respondents

17

% Industry coverage

100%

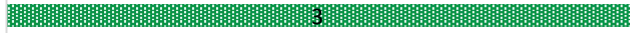
Metering Transition Plan Criteria

MSATS Standing Data Creation and Maintenance

MTP criteria summary - MDP (MSATS Standing Data)



S38 - VIC TUOS datastreams



n = 3

S37 - Interval meter datastreams



n = 13

S36 - Tier 1 basic meter datastreams



n = 10

S27a - Convert 'SASCALE NMI'



n = 1

S27 - Non-contestable unmetered loads



n = 10

S26 - Cross boundary supplies



n = 5

0% 25% 50% 75% 100%

Complete

On track (started)

On track (not started)

At risk

Late

Metering Accreditation Updates

MTP criteria summary - MDP (Accreditation updates)



S44 - MDP accreditation update (for 1 Dec 2022)



n = 6

S43 - MDP accreditation update (for 1 Oct 2021)



n = 15

0% 25% 50% 75% 100%

Complete

On track (started)

On track (not started)

At risk

Late

#	Topic	Observation / Actions
29	MTP Criteria (MSATS Standing Data Creation and Maintenance), MDPs	MDPs are reporting that all MDP related MSATS standing data creation and maintenance activities are on track.
30	MTP Criteria (Metering Accreditation Updates), MDPs	MDPs are reporting that all MDP related metering accreditation update activities are on track.
31	MTP Criteria, MDPs	Note that if a MDP responded that a MTP sub-category is not relevant to them their response is omitted from the results. AEMO also intends to cross reference MDP survey responses with provided rollout plans.

5MS GS Market Readiness Report - Round 5

MCs

Number of respondents

18

% Industry coverage

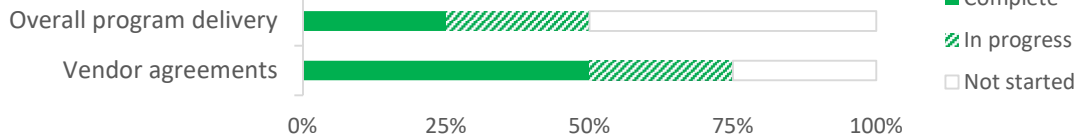
93%

Overall Progress and Status

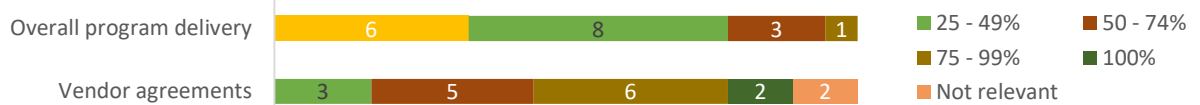
MCs have well established programs, with programs on average 25-49% complete. MCs are generally reporting on track.

General Readiness Criteria

General criteria - Average progression



General criteria - Progression responses

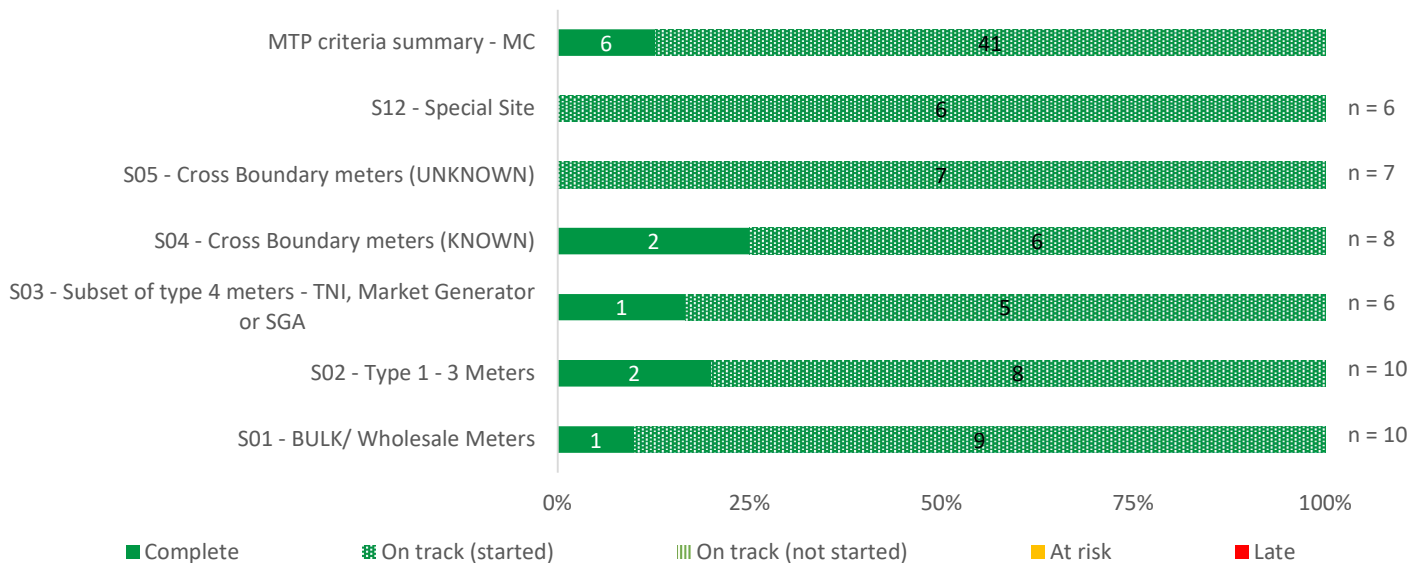


General criteria - Yes/No responses



Metering Transition Plan Criteria

Meter Installation and Reconfiguration



#	Topic	Observation / Actions
32	MTP Criteria (Meter Installation and reconfiguration), MCs	All MCs are reporting that related meter installation and reconfiguration activities are on track.
33	MTP Criteria, MCs	One MP/MC with responsibility of essential meters did not respond to this survey. Action 5.1: AEMO to follow up with non-responding MP/MC with essential meters to confirm program status and if remediation is required.
34	MTP Criteria, MCs	Note that if a MC responded that a MTP sub-category is not relevant to them their response is omitted from the results. AEMO also intends to cross reference MC survey responses with provided rollout plans.

Survey Respondents

All organisations - 46

Organisation
AGL
Alcoa
Alinta Energy
APA
Arrow Energy
Aurora Energy
Ausgrid
AusNet Services
Citipower Powercor United Energy
CleanCo Queensland
CS Energy
Delta Electricity
EEQ - Ergon Energy Queensland
ElectraNet
Endeavour Energy
Energex and Ergon Energy
Energy Australia
ENGIE
ERM Power
Essential Energy
Evoenergy
Flow Power
Hydro Tasmania
Infigen Energy
Intellihub
Jemena
Macquarie Bank
Meridian Energy
Metering Dynamics
Metropolis
Mondo
Origin Energy
PLUS ES
Powerlink
Powermetric
SA Power Networks
SA Water
Secure Meters
Shell Australia
Snowy Hydro
Stanwell
TasNetworks - TNSP
TasNetworks DNSP
TransGrid
Vector Metering
ZEN Energy Retail

Generators - 18

Organisation
AGL
Alcoa
Alinta Energy
APA
Arrow Energy
CleanCo Queensland
CS Energy
Delta Electricity
Energy Australia
ENGIE
ERM Power
Hydro Tasmania
Meridian Energy
Origin Energy
SA Water
Shell Australia
Snowy Hydro
Stanwell

Retailers - 19

Organisation
AGL
Alinta Energy
Aurora Energy
CleanCo Queensland
CS Energy
Delta Electricity
EEQ - Ergon Energy Queensland
Energy Australia
ENGIE
ERM Power
Flow Power
Hydro Tasmania
Infigen Energy
Macquarie Bank
Meridian Energy
Origin Energy
SA Water
Stanwell
ZEN Energy Retail

Survey Respondents

MPs - 18

Organisation
AusNet Services
Citipower Powercor United Energy
Endeavour Energy
Energex and Ergon Energy
Essential Energy
Evoenergy
Intellihub
Jemena
Metering Dynamics
Metropolis
Mondo
PLUS ES
Powerlink
Powermetric
SA Power Networks
TasNetworks - TNSP
TransGrid
Vector Metering

MCs - 18

Organisation
Ausgrid
AusNet Services
Citipower Powercor United Energy
ElectraNet
Endeavour Energy
Evoenergy
Intellihub
Jemena
Metering Dynamics
Metropolis
Mondo
Origin Energy
PLUS ES
Powerlink
Powermetric
TasNetworks - TNSP
TransGrid
Vector Metering

MDPs - 17

Organisation
AusNet Services
Citipower Powercor United Energy
Endeavour Energy
Energex and Ergon Energy
Essential Energy
Evoenergy
Intellihub
Jemena
Metering Dynamics
Metropolis
Mondo
PLUS ES
Powermetric
SA Power Networks
Secure Meters
TasNetworks DNSP
Vector Metering

TNSPs - 7

Organisation
Ausgrid
AusNet Services
ElectraNet
Evoenergy
Powerlink
TasNetworks - TNSP
TransGrid

DNSPs - 10

Organisation
Ausgrid
AusNet Services
Citipower Powercor United Energy
Endeavour Energy
Energex and Ergon Energy
Essential Energy
Evoenergy
Jemena
SA Power Networks
TasNetworks DNSP