

Five-minute settlement and global settlement

February 2021

Market Readiness Report - Round 6

Summary Report

- The sixth readiness survey was administered in February 2021, allowing a period of three months after the previous survey conducted in November 2020.

- There has been consistent progress with participants project delivery, with more than half of participants at least 50-74% progressed with their overall program. The industry is generally on track with capability development and metering transition activities. Follow up is required with some participants to confirm activity status and adequacy of remediation plans.

- 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 major program risks were raised, and no major issues were identified on participant programs due to the AEMO retail platform delay. It was noted that the risk profile is now heighted and issues may arise if the retail platform go-live moves beyond May 2021.

- The AEMO Retail Platform deployment was rescheduled to May 2021, impacting dependent activities such as industry testing and activities in the Metering Transition Plan. The AEMO Settlement platform go-live was also rescheduled to May 2021. The rescheduling of platform deliveries is not expected to impact 5MS commencement or 5MS Market Trial, but a heightened risk profile is noted. The AEMO Bidding Platform was deployed for industry test on schedule.

- The next round of readiness reporting will commence on 6 April 2021, with the final report released on 29 April 2021.

5MS GS Essential Industry Capabilities								
Essential capability	Relevant	Reporting	Number of participants					
	participants	criteria met	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	1	0	Yes	No
All essential meters* are able to produce and store 5-min data	MCs	No	12	0	1	0	Yes	No
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	No	0	1	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

#	Status	Action	Comments
6.1	Open	TNSP's readiness activities	One TNSP did not respond as a TNSP in this round of reporting, however provided readiness responses for the other participant types they represent.
6.2		if remediation action is successful	Participant is reporting that they expect to be on track by March 2021, and intend to commence 5-minute bidding as soon as possible during the transition period after April 2021.
6.3		AEMO to monitor status of MDP reporting that their overall program is 'at risk' in round 7 of readiness reporting	AEMO to provide update in the next readiness report
6.4	Onen	AEMO to follow up with TNSP reporting 'at risk' to understand timing of remediation	AEMO to provide update in the next readiness report
6.5	Open	RWG to consider if risks raised by respondents in readiness reporting should be captured as industry risks	AEMO to facilitate discussion at RWG 18 on 2 March 2021

	Actions log - Round 6					
#	Status	Action	Comments			
6.6	Open	AEMO to follow up with MP/MC with essential meters reporting a 'late' status to confirm timing of remediation	AEMO to follow up with participant and provide update in the next readiness report			
6.7	Open	AEMO to clarify 5-minute bidding go-live approach with generators that are not planning to utilise the bidding transition period, and establish level of industry risk	AEMO to follow up with participants and provide update in the next readiness report			
6.8	Open	AEMO to follow up with MP responding that 'S09 - New and replacement SAMPLE meters' is 'at risk' to confirm status and if remediation is required.	AEMO to follow up with participant and provide update in the next readiness report			
6.9	Open	AEMO to follow up with MP responding that 'S01 - BULK/ Wholesale Meters', 'S02 - Type 1 - 3 Meters', and 'S03 - Subset of type 4 meters - TNI, Market Generator or SGA' is late to confirm timing on remediation and if escalation is required	Participant has noted remediation activities are underway. AEMO to follow up and provide update in the next readiness report			
6.10	Open	AEMO to follow up with MP responding that 'S15 - Cross Boundary meters (KNOWN)' and 'S20 - New and replacement SAMPLE Meters' is 'at risk' to confirm status and if remediation is required.	AEMO to follow up with participant and provide update in the next readiness report			
6.11	Open	AEMO to follow up with MP responding that 'S41 - MP accreditation update (for 1 Oct 2021)' is 'late' to confirm remediation and consider if escalation is required	AEMO to follow up with participant and provide update in the next readiness report			
6.12	Open	AEMO to follow up with MDP responding that 'S24 - Tier 1 basic metering data' is 'late' to confirm delivery timing	AEMO met with participant, and confirmed that activities will be completed before 1 October 2021			
6.13	Open	AEMO to follow up with MDP responding that 'S14 - Type 1-3, subset of Type 4' is 'at risk' to confirm status and if remediation is required.	Participant advised that program has been delayed by two weeks. AEMO to follow up with participant and provide update in the next readiness report			
6.14	Open	AEMO to follow up with MDP responding that 'S37 - Interval meter datastreams' is 'at risk' to confirm status and if remediation is required	AEMO to follow up with participant and provide update in the next readiness report			
6.15	Open	AEMO to follow up with MDP responding that 'S36 - Tier 1 basic meter datastreams' is 'late' to confirm status and if remediation is required	AEMO met with participant, and confirmed late status. RWG to consider impact on UFE accuracy for distribution area.			
6.16	Open	AEMO to follow up with MDP responding that 'S27 - Non- contestable metered loads' is 'late' to confirm status and if remediation is required	AEMO met with participant, and confirmed that activities will be completed before 1 October 2021			
6.17	Open	AEMO to follow up with MC responding that 'S01 - BULK/Wholesale Meters', 'S02 - Type 1-3 Meters', 'S03 - Subset of type 4 meters, TNI, Market Generator or SGA' is 'late' to confirm remediation plans and if escalation is required	Participant has noted remediation activities are underway. AEMO to follow up and provide update in the next readiness report			
6.18	Open	AEMO to follow up with MC responding that 'S02 - Type 1-3 Meters' is 'at risk' to confirm remediation plans and if escalation is required	AEMO to follow up with participant and provide update in the next readiness report			

	Actions log - Round 5					
#	Status	Action	Comments			
5.1	Closed	AEMO to follow up with non-responding MP/MC with essential meters to confirm program status and if remediation is required	AEMO followed up and relevant MP/MC is now responding to the latest readiness survey			
5.2	Closed	AEMO to establish with generator reporting 'late' if a remediation plan or escalation is required	Generator continues to report a 'late' status and has noted they expect to be on track in March 2021. AEMO will continue to monitor the readiness responses of this participant			
5.3	Closed	RWG to consider risk of cross boundary meters not appropriately configured by transition end date	Risk discussed at RWG 18			
5.4	Closed	AEMO to follow up with relevant DNSP on potential risk to delivery timelines on MTP subcategories 'S26 - Cross boundary supplies' and 'S29 - NCONUML'	Initial meeting held, with follow up meeting pending			
5.5	Closed	Participants to consider impact of late delivery of MTP subcategory 'S39 – Meter installation type code', and flow on impact to overall programs	As presented at the TFG, considering that S39 is a preliminary activity in the MTP, with its transition end date now past due, AEMO considers this activity to be complete.			

	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 wa 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 5MS 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	Criteria related to the level of	Participants are asked to provide Yes /	All Yes and No responses are presented in a bar chart.	
Readiness	program establishment of	No responses to a set of program		
Criteria	participant programs.	establishment questions e.g. if funding	All responses are unweighted.	
		is secured.		
Specific	Criteria that tracks the	Participants (including AEMO) are asked	Participants' status and progression towards specific criteria are	
Readiness	implementation of specific	to report their status towards fulfilling	illustrated in a bar chart.	
Criteria	market commencement	these requirements by market		
	requirements for each	commencement (on track, at risk or	Each segment of the bar represents 25% progress. The bar will	
	participant type. Hence, each	late), and also report on progress in 25%	progressively fill with solid colours as the criteria is completed.	
	participant type will have	increments.		
	their own set of specific		The bar chart will be coloured red, amber or green based on if the	
	readiness criteria		criteria is on track, at risk or late.	
	e.g. generators' ability to			
	submit 5 min bids by 1		All responses are unweighted.	
	October 2021, retailers ability			
	to receive and reconcile 5			
	minute data.			
Metering	Status monitoring of defined	Participants are asked to provide their	All responses are presented in a bar chart.	
Transition Plan	activities in the MTP. The	status towards completing activities by		
Status	MTP outlines the expected	the transition end date for each defined	All responses are unweighted.	
	activities, responsibilities,	sub-category in the MTP (Complete, On		
	timeframes, as well as other	track (started), On track (not started), At		
	necessary elements required	risk, Late, n/a).		
	for completion of the 5MS			
	and GS metering transition.	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.		

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	
мс	MC respondents' total type 1-4 NMIs/ total type 1-4 NMIs	AEMO metering data	
DNSP	Number of DNSPs survey respondents / Total DNSPs	AER 2019 state of the market report - DNSP data	
TNSP Number of TNSPs survey respondents / Total TNSPs AER 2019 state of the market rep		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: <u>https://www.aemo.com.au/initiatives/major-programs/nem-five-minute-settlement-</u>

Essential industry capabilities for 5MS and GS commencements

The essential minimum capabilities for 5MS and GS commencements are described below for each relevant participant type.

Essential capability	Relevant participant	Reporting Criteria
Generators and MNSPs are able to Generators / MNSF submit 5-min offers		 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	MPs	a) 100% of MPs associated to essential metering are responding to Industry Readiness Surveys,
produce and store 5-min data		and;
		b) 100% of MPs associated to essential metering are reporting 'On-track' for all applicable MTP activities
All essential meters* are able to	MCs	a) 100% of MCs associated to essential metering are responding to Industry Readiness Surveys,
produce and store 5-min data		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	MDPs	a) 100% of MDPs associated to essential metering are responding to Industry Readiness
5-min metering data		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	AEMO	a) AEMO reporting 'On-track' for all Bidding/Dispatch reporting criteria and milestones
solution, including the web bidding interface is deployed		
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

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

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 5MS 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.

Submissions

Strong survey coverage, with 45 respondents representing 86 -100% of the industry. Response rate across all participant types provides representative industry coverage.



	Industry coverage					
	% Industry coverage	Industry coverage methodology				
Generator	95.2%	Generator respondents' capacity / NEM capacity				
Retailer	93.5%	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	99.8%	MC respondents' total type 1-4 NMIs/ total type 1-4 NMIs				
DNSP	100% Number of DNSP survey respondents / Total DNSPs					
TNSP	86%	Number of TNSP survey respondents / Total TNSPs				

#	Торіс	Observation / Actions
1	Response rate, All participant types	A total of 45 organisations responded to the sixth round of readiness reporting, representing a minor drop in the response rate. 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 86% to 100%. This exceeds the 80% coverage threshold for reporting against essential criteria.
3	Response rate, TNSP	One TNSP did not respond as a TNSP in this round of reporting, however provided readiness responses for the other participant types they represent. Action 6.1: AEMO to confirm progress and status of non-responding TNSP's readiness activities

Overall program delivery progression, by reporting round

More than half of participants are now at least 50-74% progressed with their overall program, increasing from 30% to 56% between rounds. One participant is reporting that their overall program is 'late', and two participants are reporting 'at risk'. All three participants that are not on-track have noted recovery actions.

	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6
0%	0%	0%	2%	0%	0%	0%
1 - 24%	92%	70%	40%	34%	30%	18%
25 - 49%	8%	20%	38%	45%	39%	27%
50 - 74%	0%	5%	17%	18%	26%	49%
75 - 99%	0%	3%	2%	2%	4%	7%
100%	0%	0%	0%	0%	0%	0%
n/a	0%	3%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

For your organisation's 5MS & GS program, what is the overall program delivery progress and status?



Participants' overall program delivery progression, by participant type - Round 6



#	Торіс	Observation / Actions
4	Overall Participant Program Progress	More than half of participants are now at least 50-74% progressed with their overall program, increasing from 30% to 56% between rounds. Majority of participants are on track to participate in market trials.
5	Overall Participant Program Status	Almost all participants are reporting that their overall program is on track. One generator continued to flag that their overall program is 'late', noting that they expect to be on track by March 2021 and intend to commence transition to 5-minute bidding in April. Action 6.2: AEMO to seek clarification from generator reporting 'late' and if remediation action is successful
6	Overall Participant Program Status	One MDP with no essential meters reported that their program 'at risk', noting a two week delay and action taken to ensure further delay is avoided. Action 6.3: AEMO to monitor status of MDP reporting that their overall program is 'at risk' in round 7 of readiness reporting
7	Overall Participant Program Status	One TNSP with essential meters reported that their overall program is 'at risk', noting that a recovery plan is in place. Action 6.4: AEMO to follow up with TNSP reporting 'at risk' to understand timing of remediation

#	Торіс	Observation / Actions
8	Raised risks	Two participants noted that their program will be at risk if Option 1 of AEMO's retail platform deferral is not realised, and also highlighted that the reduced timeline between platform go- live and 5MS Market Trials allows for less time to resolve any issues. Action 6.5: RWG to consider if risks raised by respondents in readiness reporting should be captured as industry risks
9	Raised risks	One participant noted that there is an increased risk that the of quantum of UFE is not being fully understood due to the retail platform go-live delay. Action 6.5: RWG to consider if risks raised by respondents in readiness reporting should be captured as industry risks
10	Raised risks	One participant noted that there is a risk that many participants will leave the initiation of many transition activities to the last possible moment leading to congestion in market / participant system. Action 6.5: RWG to consider if risks raised by respondents in readiness reporting should be captured as industry risks
11	Raised risks	One participant raised a risk of not having a single source of truth for Metering Rollout Plans, and requested that AEMO share rollout plans from consenting participants. Action 6.5: RWG to consider if risks raised by respondents in readiness reporting should be captured as industry risks
12	Raised risks	One participant noted that there is confusion among the industry regarding the methodology and timeline of updating Meter Read Type Codes Action 6.5: RWG to consider if risks raised by respondents in readiness reporting should be captured as industry risks

AEMO Readiness Criteria

Support 5-min reallocations Support standing data processing for GS Switch Local Retailer and FRMP to GLOPOOL Support UFE calculation and publication Support meter data processing for GS 5 min-format invoices to support reconciliation MDM platform upgraded to support 5-min profiling MDM platform upgraded to receive 5 - minute data Changes to settlement calculation **Bidding Transition** Changes to bidding interfaces 0% 25% 50% 75% 100% Complete **%** In progress Not started Complete In progress # Topic **Observation / Actions** 7 **AEMO Readiness Criteria** The AEMO Retail Platform deployment was rescheduled to May 2021, impacting dependent activities such as industry testing and activities in the Metering Transition Plan. The AEMO Settlement platform golive was also rescheduled to May 2021. The rescheduling of platform deliveries is not expected to impact 5MS commencement or 5MS market trial but a heightened risk profile is noted. The AEMO Bidding Platform was deployed for industry testing on schedule.

5MS GS Essential Industry Capabilities								
Essential capability	Relevant	Reporting		Number of participants				
	participants	criteria met	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	1	0	Yes	No
All essential meters* are able to produce and store 5-min data	MCs	No	12	0	1	0	Yes	No
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	No	0	1	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

#	Торіс	Observation / Actions
13	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 March 2021 and intend to commence transition to 5-minute bidding in April.
14	,	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.
15	Essential meters, MP, MC	One MP/MC reported a late status for MTP activities relating to essential meters, however it was noted that there is a plan to deliver by the target dates. Action 6.6: AEMO to follow up with MP/MC with essential meters reporting a 'late' status to confirm timing of remediation





#	Торіс	Observation / Actions
19	Bilateral testing, (Retailer, DNSP, TNSP, MDP)	Majority of MDPs (12/17)and DNSPs (8/10) intend to conduct bilateral testing for retail processes. Half of TNSPs (3/6) and just under half (7/18) of retailers intend to conduct bilateral testing for retail processes.
20	Bilateral testing, (Retailer, DNSP, TNSP, MDP)	No participant has commenced bilateral testing for retail processes, with most participants commencing in Q2 2021, some commencing in Q1 2021, and only two participants planning to commence bilateral testing in Q3 2021.
21	Bilateral testing, (Retailer, DNSP, TNSP, MDP)	There is a generally even split in the number of participants that plan to use the staging environment or pre-production environment for bilateral testing of retail processes. All TNSPs that intend to conduct bilateral testing plan to use the pre-production environment.



Retailers

Number of respondents

% Industry coverage

93%

Overall Progress and Status

18

Retailers are reporting as on track, with their overall programs on average 25-49% complete.



#	Торіс	Observation / Actions
	General criteria (Overall program delivery), Retailers	Retailers are on average 25-49% progressed with their overall 5MS and GS program, with nine out of 18 retailers now 50-74% progressed.
26	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. Retailers are reporting that they are most progressed with developing capabilities for 5-min metering data and 5-min reallocations, and the least progressed with developing capabilities for UFE allocations data.

5MS GS Market Readiness Report - Round 6 Generators Mumber of respondents 17 % Industry coverage 95% Overall Progress and Status

Generators are generally reporting as on track, with their overall programs on average 50-74% complete and progressing by one quartile compared to the previous round of reporting. One generator reported a 'late' status, noting that they expect to be on track in March 2021.



#	Торіс	Observation / Actions
27	Specific criteria, Generators	Generators are reporting a wide range of responses when reporting on progression towards developing specific capabilities for 5MS and GS. They are 50-74% progressed on average, progressing by one quartile compared to the previous round of reporting. One generator continued to flag that their overall program is 'late', noting that they expect to be on track by March 2021 and intend to commence transition to 5-minute bidding in April. Action 6.1: AEMO to seek clarification from generator reporting 'late' and if remediation action is successful
28	Specific criteria, Generators	The average reported progression on 5-minute bids and 5-minute metering data increased by one quadrant, from an average of 25-49% progressed to 50%-74% progressed.



TNSPs are generally reporting as on track, with their overall programs on average 50-74% complete and progressing by one quartile compared to the previous round of reporting. One TNSP reported that their program is 'at risk', and noted that a recovery plan is in place.





#	Торіс	Observation / Actions
33		DNSPs are 50-74% progressed on average with their overall program, progressing by one quadrant compared to the previous round. All DNSPs are all reporting on track.
34		DNSPs are reporting that MSATS Standing Data Creation and Maintenance activities in the MTP are on track.
		Note if a DNSP responded that a MTP sub-category is not relevant to them their response is omitted from the results.

	5MS G	S Market Rea	diness Rep	ort - Rou	nd 6		
			MPs				
Number of resp	oondents	19	% Ind	ustry cover	age		100%
		Overall Prog	gress and St	tatus			
MPs are generally repor and 'late' statuses for so Tranche 1 meters.	•		-	•			-
		General Re	adiness Crit	teria			
General criteria - Ave	erage progression						
	rogram delivery					Complete	
-	dor agreements					In progress	
		25%	F.00/			Not started	
	0%	25%	50%	75%	100%		
General criteria - Pro						0%	1 - 24%
Overall	program delivery	3 7		8	1	■ 25 - 49% ■ 75 - 99%	■ 50 - 74% ■ 100%
Ve	ndor agreements	1 4	5	5	3	Not relevant	
General criteria - Yes/	No responses					Yes	
Industry Tes	. & Market Trials		17		2	■ No ■ Not relevant	
		Metering Tran	sition Plan (Criteria			
	Γ	Meter Installatio					
MTP criteria sumr	nary - MP (Meter Inst	allation and Recofig	15		000000000000000000000000000000000000000		
S10 - Pre-1 Dec 2018/1							
	9 - New and replacem			1		1	n = 2
SO	8 - New and replacen	nent VIC AMI meters	5 1			2	n = 3
	S07- New and r	eplacement Type 4A		3			
	S06 - New and	replacement Type 4		3		3	n = 6
	605 - Cross Boundary	meters (UNKNOWN	1			3	n = 4
	S04 - Cross Bounda	ry meters (KNOWN	1				n = 5
S03 - Subset of type	4 meters - TNI, Mark	et Generator or SGA	1		5		1 n = 7
	S02	2 - Type 1 - 3 Meters	2		7		1 n = 10
	S01 - BULK	Wholesale Meters	5 1		6		1 n = 8
Complete	🛚 On track	(started)	0% III On track (no	25% ot started)	50% At	75% : risk	100% Late
# Top	ic			Observatio	on / Actions		
35 MTP Criteria (Meter Insta reconfiguration), MPs		One MP reported SAMPLE meters.	an 'at risk' statu				d replacement
		Action 6.8: AEMO	to follow up wi	th MP respon	ding that 'SO	9 - New and repla	cement SAMPLE
		meters' is 'at risk'			•	4TD 1 11	
36 MTP Criteria (Meter Insta reconfiguration), MPs	lilation and	One MP reported 1 meters (S01, S02		completed all	MP related N	VIP transition act	ivities for Tranc
37 MTP Criteria (Meter Insta reconfiguration), MPs	llation and	One MP reported S02 - Type 1 - 3 M was noted that a r	eters, and SO3 -	Subset of typ	-		
		Action 6.9: AEMO Type 1 - 3 Meters' confirm timing on	, and 'S03 - Sub	•	-		

	5MS G	S Market Read	iness Report - I	Round 6			n = 9
		N	IPs				
	Number of respondents	19	% Industry o	coverage			100%
			ition Plan Criteria	a			
		Meter Da	ata Delivery				
	MTP criteria summary - MP (M	eter Data Delivery)	1	35		5 2	
	S22 - Type 7 me	tering installations		8		1111	n = 9
	S20 - New and replaceme	nt SAMPLE Meters		200000000000000000000000000000000000000	1		n = 3
	S19 - New and replaceme	ent VIC AMI meters		3			n = 3
	S18 - New and re	olacement Type 4A		1			n = 6
	S17 - New and r	eplacement Type 4		5			n = 9
	S16 - Cross Boundary m	eters (UNKNOWN)		8			n = 3
	S15 - Cross Boundar	y meters (KNOWN)		4		1	n = 5
	S14 - Ty	pe 1-3, subset of 4	1	9			n = 10
	S13 - BULK,	Wholesale Meters		7			n = 7
		(0% 25%	50%	75%	1009	%
	MSATS	Standing Data C	Creation and Main	tenance			
	MTP criteria summary - MP (MSATS Standing	Data Creation and	10		3	4	
	S39 - Meter installation t	ype code in MSATS		10	4		n = 14
	S27a - Conv	vert 'SASCALE NMI'					n = 2
	S27 - Non-contestabl	e unmetered loads				2	n = 9
	S26 - Cross	boundary supplies			000000		n = 4
)% 25%	50%	75%	100	D/
			editation Updates	50%	73%	100	/0
	MTP criteria summary - MP (Metering Accr	editation Updates)	3			1	
	S42 - MP accreditation upda		1				n = 7
	S41 - MP accreditation upda		2				n = 13
	S41 - IVIF accreditation upua						_
	■ Complete		0% 25% On track (not started)	50%	75%	1009 Late	%
#				rvation / Actions		Lute	
	MTP Criteria (Meter Data Delivery), MPs		n 'at risk' status for M - New and replacemen	TP activities relating	to S15 - Cross	Boundar	y meters
			to follow up with MP - New and replaceme ired.			-	
39	MTP Criteria (MSATS Standing Data Creation and Maintenance), MPs		a 'late' status for MTP ⁄IO considers S39 as a	-			
	ייייייייייייייייייייייייייייייייייייי		t the transition end da				
40	MTP Criteria (Metering Accreditation Updates), MPs	One MP reported a 1 Oct 2021).	'late' status for MTP a	ictivities relating to S	41 - MP accreo	ditation ι	update (for
			to follow up with MP o confirm remediatior				date (for 1
41	MTP Criteria, MPs	Note that if a MP re	esponded that a MTP s	ub-category is not re	elevant to then	n their re	
			esults. AEMO also inte ans and present findin		•	es with p	rovided 1

SMS GS Market Readiness Report - Round 6 MDPs Number of respondents 17 % Industry coverage 100% Overall Progress and Status

MDPs are generally reporting as on track, with programs on average 25-49% complete. Three MDPs are reporting 'at risk' and 'late' statuses for some MTP activities.



		Action 6.12: AEMO to follow up with MDP responding that 'S24 - Tier 1 basic metering data' is 'late' to confirm delivery timing
43	MTP Criteria (Meter Data Delivery), MDPs	One MDP reported an 'at risk' status for MTP activities relating to S14 - Type 1-3, subset of Type 4, noting a delay of two weeks.
		Action 6.13: AEMO to follow up with MDP responding that 'S14 - Type 1-3, subset of Type 4' is 'at risk' to confirm status and if remediation is required.



#	Торіс	Observation / Actions
44	MTP Criteria (MSATS Standing Data Creation and Maintenance), MDPs	One MDP reported an 'at risk' status for MTP activities relating to S37 - Interval meter datastreams.
		Action 6.14: AEMO to follow up with MDP responding that 'S37 - Interval meter datastreams' is 'at risk' to confirm status and if remediation is required
45	MTP Criteria (MSATS Standing Data Creation and Maintenance), MDPs	One MDP reported a 'late' status for MTP activities relating to S36 - Tier 1 basic meter datastreams.
		Action 6.15: AEMO to follow up with MDP responding that 'S36 - Tier 1 basic meter datastreams' is 'late' to confirm status and if remediation is required
46	MTP Criteria (MSATS Standing Data Creation and Maintenance), MDPs	One MDP reported a 'late' status for MTP activities relating to S27 - Non-contestable metered loads, however noted that they expect to deliver before Rule commencement.
		Action 6.16: AEMO to follow up with MDP responding that 'S27 - Non-contestable metered loads' is 'late' to confirm status and if remediation is required
47	MTP Criteria (Metering Accreditation Updates), MDPs	MDPs are reporting that all MDP related metering accreditation update activities are on track.
48	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 MP responses with provided 1 March 21 rollout plans and present finding at the next TFG and RWG.



Survey Respondents

All organisations - 45

All organisations - 45
Organisation
AGL
Alcoa Portland
Alinta Energy
АРА
Arrow Energy
Aurora Energy
Ausgrid
AusNet Services
CitiPower Powercor United Energy
CS Energy
Delta Electricity
Electranet
Endeavour Energy
Energex and Ergon Energy
Energy Australia
Enerven Energy Infastructure
ENGIE ANZ
ERM Power
Essential Energy
Evoenergy
Flow Power
Hydro Tasmania
Infigen Energy
Intellihub
Jemena
Macquarie Bank Limited
Meridian Energy
Metropolis Metering
Mondo
Origin Energy
PLUS ES
Powerlink Queensland
Powermetric
Red Energy and Lumo Energy
SA Power Networks
SA Water
Secure Meters
Shell Energy Australia
Snowy Hydro
Stanwell Corporation
TasNetworks (DNSP)
TasNetworks (TNSP)
TransGrid
Vector Metering
Yurika Metering (Metering Dynamics)

Generators - 17

Organisation
AGL
Alinta Energy
АРА
Arrow Energy
CS Energy
Delta Electricity
Energy Australia
ENGIE ANZ
ERM Power
Hydro Tasmania
Infigen Energy
Meridian Energy
Origin Energy
SA Water
Shell Energy Australia
Snowy Hydro
Stanwell Corporation

Retailers - 18

Organisation
AGL
Alcoa Portland
Alinta Energy
Aurora Energy
CS Energy
Delta Electricity
Energy Australia
ENGIE ANZ
ERM Power
Flow Power
Hydro Tasmania
Infigen Energy
Macquarie Bank Limited
Meridian Energy
Origin Energy
Red Energy and Lumo Energy
SA Water
Stanwell Corporation

Survey Respondents

<u>MPs - 19</u>

Organisation
AusNet Services
CitiPower Powercor United Energy
Endeavour Energy
Energex and Ergon Energy
Enerven Energy Infastructure
Essential Energy
Evoenergy
Intellihub
Jemena
Metropolis Metering
Mondo
PLUS ES
Powerlink Queensland
Powermetric
SA Power Networks
TasNetworks (TNSP)
TransGrid
Vector Metering
Yurika Metering (Metering Dynamics)

<u>MDPs - 17</u>

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

<u>MCs - 17</u>

Organisation
Ausgrid
AusNet Services
CitiPower Powercor United Energy
Electranet
Evoenergy
Intellihub
Jemena
Metropolis Metering
Mondo
Origin Energy
PLUS ES
Powerlink Queensland
Powermetric
TasNetworks (TNSP)
TransGrid
Vector Metering
Yurika Metering (Metering Dynamics)

<u>TNSPs - 6</u>

Organisation
AusNet Services
Electranet
Evoenergy
Powerlink Queensland
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
TacNotworks (DNSD)

TasNetworks (DNSP)