



Five-minute settlement and global settlement

August 2021

Market Readiness Report - Round 9

Summary Report

5MS GS Market Readiness Report - Round 9

Key Observations

- Highest response rate of any survey round: 49 organisations
- 100% of organisations either confident or very confident that they'll be able to continue to perform their core activities post the 5MS Rule commencement
- Over 80% of respondents report they have contingencies in place to address residual risks
- Essential and Tranche 1 metering activities are running 'late', compared to the MTP transition end dates. However, MSPs have confirmed that they are confident they will meet their 1 Oct 2021 obligations. AEMO is working with MSPs to ensure appropriate contingency plans are established, where required.
- On average, overall programs are being reported as 75-99% complete, with no systemic issues, for all Participant Types

5MS GS Essential Industry Capabilities

Essential capability	Relevant participants	Reporting criteria met	Number of participants					Comments
			On Track	At Risk	Late	Not responded	Remediation Plan?	
Generators and MNSPs are able to submit 5-min offers	Generators / MNSPs	Yes	13	0	0	5	No	
All essential meters* are able to produce, store and deliver 5-min data	MSPs	No	6	2	11	0	Yes	All MSPs reporting confident they will meet their 1 Oct 2021 obligations
The 5-minute bidding and dispatch solution is deployed, including the web bidding interface	AEMO	Yes	1	0	0	0	No	
The Metering Data Management (MDM)	AEMO	Yes	1	0	0	0	No	
The 5-minute settlements solution is deployed	AEMO	Yes	1	0	0	0	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
9.1	Open	AEMO to continue to monitor, report and engage applicable Participants regarding the successful installation/reconfiguration and delivery of metering data associated to Type 1-3 and subset of 4 meters, including the establishment of contingency plans where required.	Eleven MPs have not converted all of their essential meters to being 5min capable. 2 MDPs reporting their overall programs as 'at-risk'. AEMO to confirm that contingency plans have been established, by relevant MSPs, where required.
9.2	Open	AEMO to follow up with the applicable Participants to confirm their remediation approach regarding their potential inability to receive and reconcile 5min settlements data by 1 Oct 2021.	Four Retailers reporting 'at-risk' in relation to their ability to receive and reconcile 5-min settlements data
9.3	Open	AEMO to follow up with the applicable Participants to confirm their remediation approach regarding their potential inability to receive and process 5min metering data by 1 Oct 2021.	Two Retailers reporting 'at-risk' in relation to their ability to receive and process 5-min metering data
9.4	Open	AEMO to follow up with the applicable TNSP to confirm their remediation approach regarding applicable MTP activities.	One TNSP reporting their MTP activities 'at-risk'
9.5	Open	AEMO to follow up with the applicable DNSP to confirm their remediation approach regarding applicable MTP activities.	One DNSP reporting 'at-risk' or 'late' regarding a number of MTP activities
9.6	Open	AEMO to continue to monitor, report and engage applicable Participants regarding the installation/reconfiguration of Type 1-3, subset of 4 and cross boundary meters.	Multiple MPs reported 'late' regarding the installation/reconfiguration of Type 1-3, subset of 4 and cross boundary meters.
9.7	Open	AEMO to continue to monitor, report and engage applicable MDPs regarding the delivery of Type 1-3, subset of 4, cross boundary, tier 1 basic, type 7 and non-contestable unmetered load 5min metering data.	Multiple MDPs reported 'late' regarding the delivery of metering data to AEMO for Type 1-3, subset of 4, cross boundary, tier 1 basic, type 7 and non-contestable unmetered loads.

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Actions log - Round 8

#	Status	Action	Comments
8.1	Closed	AEMO to follow up with the applicable Participants, to confirm their remediation and contingency approaches, regarding their potential inability to process and reconcile 5min metering data by 1 Oct 2021	Multiple Participants have reported their ability to process and reconcile 5min settlements data by 1 Oct 2021 as 'late'
8.2	Closed	AEMO to follow up with the applicable Participants, to confirm their remediation and contingency approaches, regarding their potential inability to process and reconcile 5min settlements data by 1 Oct 2021.	Multiple Participants have reported their ability to process and reconcile 5min metering data by 1 Oct 2021 as 'late' or 'at-risk'
8.3	Closed	Applicable DNSPs to provide additional information to help assess the potential consequences of NCONUML 5min metering data not being delivered by 1 Oct 2021.	Multiple Participants have reported their ability to deliver 5min NCONUML metering data as 'late' or 'at-risk'
8.4	Closed	AEMO to discuss with applicable DNSPs, impacts associated to the delay in AEMO's NCONUML capability	AEMO's NCONUML capability has been delayed until late July 2021
8.5	Closed	Applicable DNSPs/MPs/MCs to provide additional information to help assess the potential consequences of cross boundary supplies not being installed by 1 Oct 2021.	Multiple Participants have reported the installation of cross boundary meters as 'late' or 'at-risk'
8.6	Closed	AEMO to engage the RWG to confirm the contingency approaches for scenarios where an essential meter is not 5min capable or where an MDP is not be able to deliver 5min metering data for essential meters by 1 Oct 2021.	Multiple Participants servicing essential meters have reported that they will not be able to meet the MTP transition end dates associated to the installation/reconfiguration of tranche 1 meters, the delivery of tranche 1 5-min metering data and the delivery of 5-min Type 7 metering installation load
8.7	Closed	Applicable MDPs to provide additional information to help assess the potential consequences of NCONUML 5min metering data not being delivered by 1 Oct 2021.	Multiple Participants have reported the delivery of 5-min Non-Contestable Unmetered Load as 'late' or 'at-risk'
8.8	Closed	AEMO to follow up with the applicable Participants to confirm their remediation approach regarding their potential inability to deliver Type 7 5min metering data by 1 Oct 2021.	Multiple Participants have reported the delivery of Type 7 metering data as 'late' or 'at-risk'
8.9	Closed	Applicable MDPs to provide additional information to help assess the potential consequences of Tier 1 basic 5min metering data not being delivered by 1 Oct 2021.	Multiple Participants have reported the delivery of Tier 1 basic metering data as 'late'



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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 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 5MS 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
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 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 participants	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

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

Disclaimer

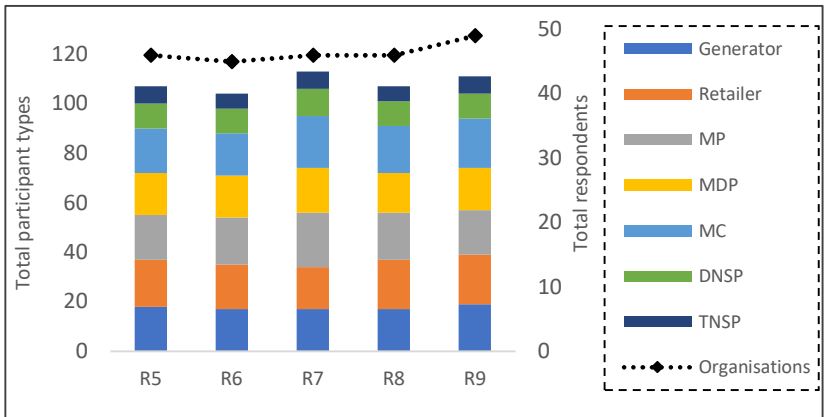
This market readiness report has been prepared by AEMO at the request of the industry for the purpose of tracking and monitoring the industry's level of readiness for SMS and GS. This report contains self-reported readiness information provided by participants, and may not be free from errors or omissions. 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

49 organisations responded to the ninth round of readiness reporting, with the total 'Participant types' increasing by 4 compared to the previous round. Response rates across all participant types provides sufficient industry coverage.

	This round	Prev. round	Δ (#)	Trend
Respondents	49	46	3	
Participant types	111	107	4	
Generator	19	17	2	
Retailer	20	20	0	
MP	18	19	-1	
MDP	17	16	1	
MC	20	19	1	
DNSP	10	10	0	
TNSP	7	6	1	



Industry coverage

	% Industry coverage	Industry coverage methodology
Generator	94.3%	Generator respondents' capacity / NEM capacity
Retailer	87.7%	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	100.0%	Number of DNSP survey respondents / Total DNSPs
TNSP	100.0%	Number of TNSP survey respondents / Total TNSPs

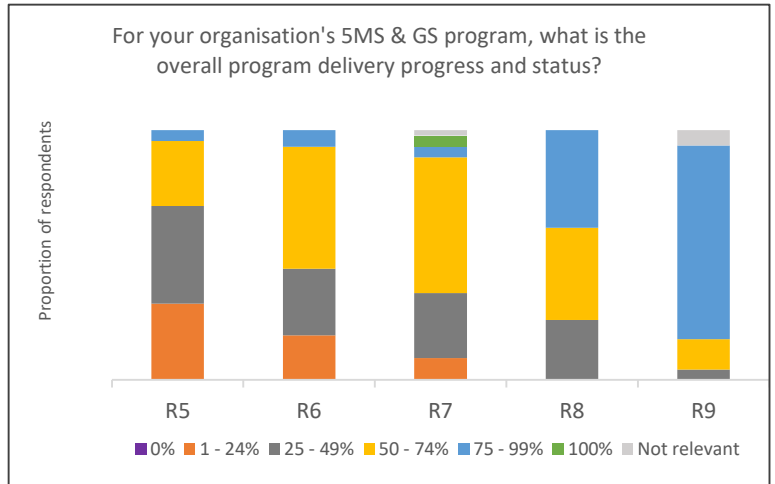
#	Topic	Observation / Actions
1	Response rate, All participant types	49 organisations responded to the ninth round of readiness reporting, with the total 'Participant types' increasing by 4. Response rates across all participant types provides sufficient industry coverage.
2	Response rate, All participant types	Coverage across the industry for all participant types ranges from 87.7% to 100%, this exceeds the 80% coverage threshold for reporting against essential criteria.

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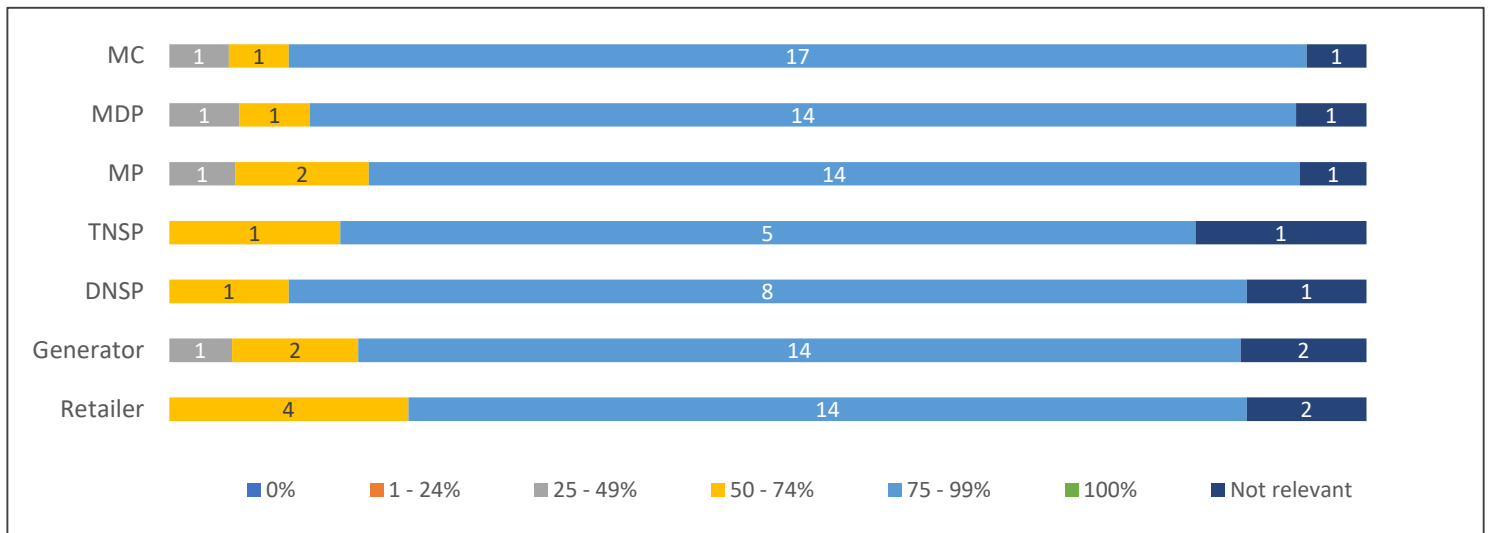
Overall program delivery progression, by reporting round

78% of respondents reporting that they are 75-99% progressed with their overall programs. However, nine Participants are reporting that their overall programs are 'at-risk' and one 'late', primarily due to vendor and/or testing delays. All respondents are reporting that they are confident that they will be able to perform their core activities post 5MS Rule commencement.

	Round 5	Round 6	Round 7	Round 8	Round 9
0%	0%	0%	0%	0%	0%
1 - 24%	30%	18%	9%	0%	0%
25 - 49%	39%	27%	26%	24%	4%
50 - 74%	26%	49%	54%	37%	12%
75 - 99%	4%	7%	4%	39%	78%
100%	0%	0%	4%	0%	0%
n/a	0%	0%	2%	0%	6%
Total	100%	100%	100%	100%	100%



Participants' overall program delivery progression, by participant type - Round 9



#	Topic	Observation / Actions
3	Overall Participant Program Progress	78% of respondents reporting that they are 75-99% progressed with their overall programs. However, nine Participants are reporting that their overall programs are 'at-risk' and one 'late', primarily due to vendor and/or testing delays. All respondents are reporting that they are confident that they will be able to perform their core activities post 5MS Rule commencement.

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Core Activities Response

How confident are you that you'll be able to continue to perform your Organisation's core activities post the 5MS Rule commencement?



- Very Confident
- Confident
- Not Confident

COVID-19 Response

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



- No change
- Minor change
- Major change

Bidding Transition Period

Does your organisation plan to commence 5-minute bidding during the bidding transition period (1 Apr 2021 to 30 Sep 2021) ?



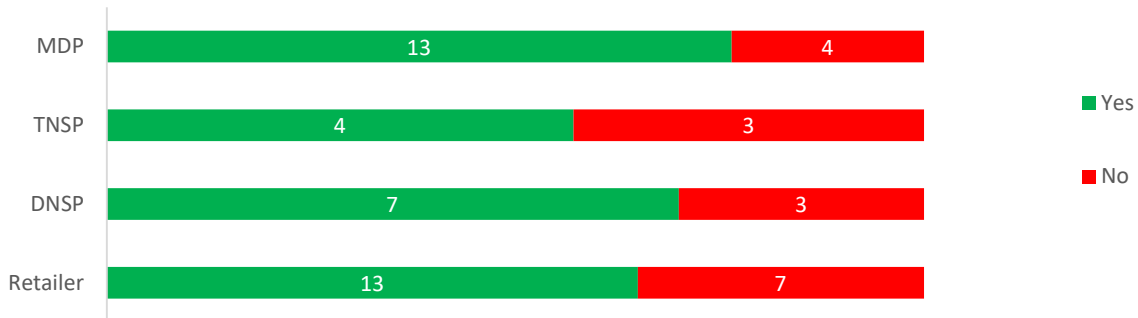
- No
- Yes

Early Delivery of 5-minute Data

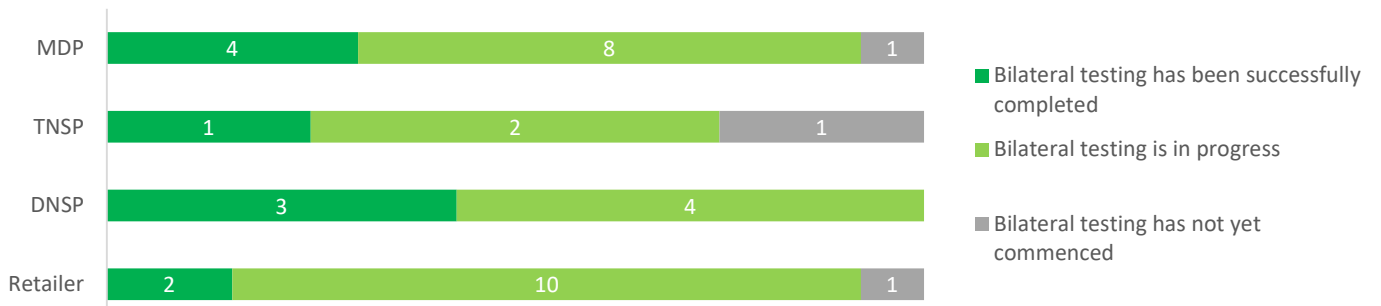
#	Topic	Observation / Actions
4	COVID-19, response	1 respondent reporting that they have experienced a 'Major' change compared to the previous round of reporting, resulting in a delay to system/business testing.

Bilateral testing for retail processes

Does your organisation intend to conduct bilateral testing for retail processes?

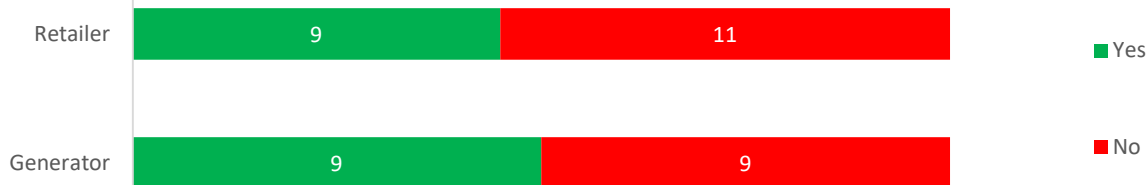


What status in your bilateral testing for retail processes?



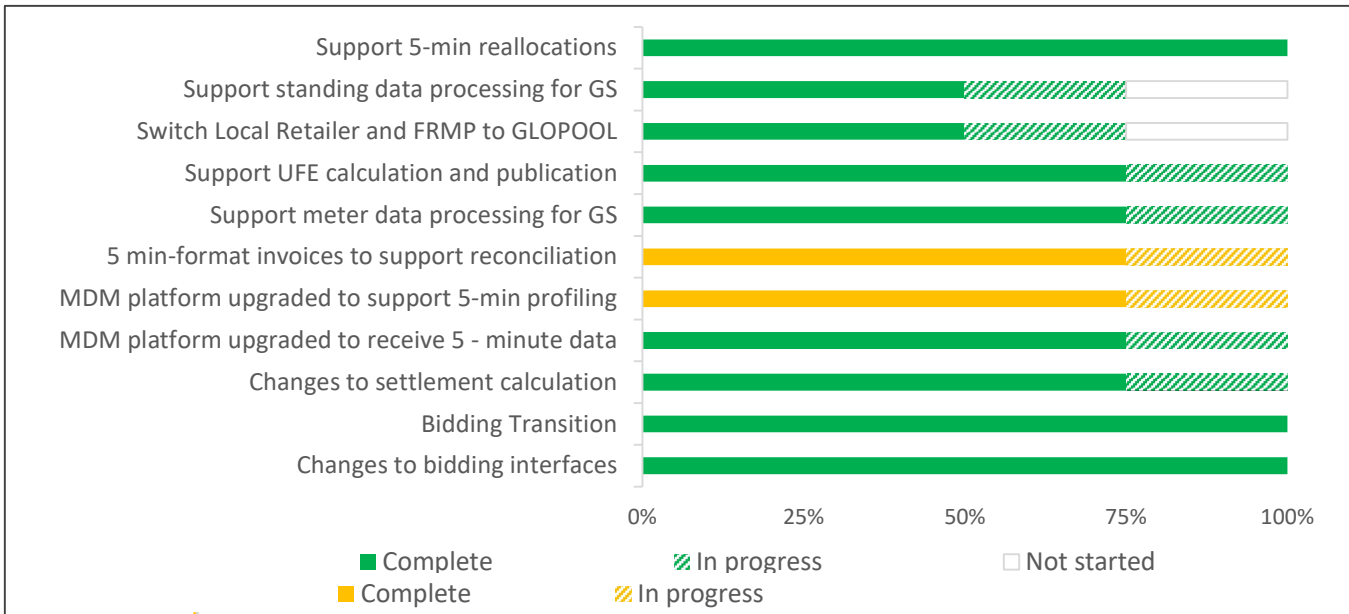
Bilateral testing for wholesale processes

Does your organisation intend to conduct bilateral testing for wholesale processes (e.g. bidding, settlements)?



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AEMO Readiness Criteria



#	Topic	Observation / Actions
5	The Metering Data Management (MDM) solution is deployed	UAT and Market Trials not completed, therefore, risk exists that issues may still be discovered.

5MS GS Essential Industry Capabilities

Essential capability	Relevant participants	Reporting criteria met	Number of participants					Remediation Plan?	Comments
			On Track	At Risk	Late	Not responded			
Generators and MNSPs are able to submit 5-min offers	Generators / MNSPs	Yes	13	0	0	5	No		
All essential meters* are able to produce, store and deliver 5-min data	MSPs	No	6	2	11	0	Yes	All MSPs confident they will meet their 1 Oct 2021 obligations	
The 5-minute bidding and dispatch solution is deployed, including the web bidding interface	AEMO	Yes	1	0	0	0	No		
The Metering Data Management (MDM) solution is deployed	AEMO	No	0	1	0	0	No		
The 5-minute settlements solution is deployed	AEMO	Yes	1	0	0	0	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
6	All essential meters* are able to produce, store and deliver 5-min data	<p>Eleven MPs still have not converted all of their essential meters to being 5min capable. 2 MDPs reporting this overall programs as 'at-risk'</p> <p>Action 9.1: AEMO to continue to monitor, report and engage applicable Participants regarding the successful installation/reconfiguration and delivery of metering data associated to Type 1-3 and subset of 4 meters.</p>

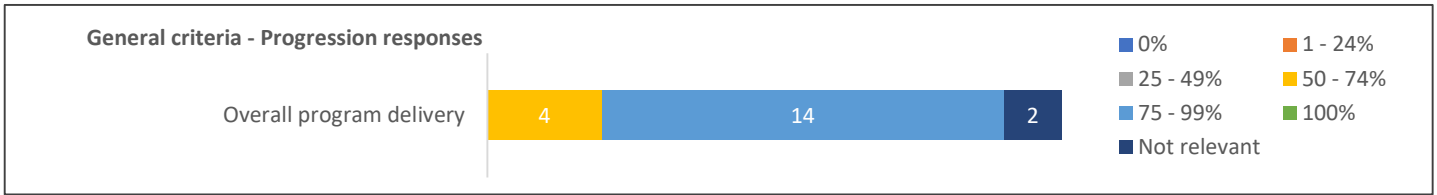
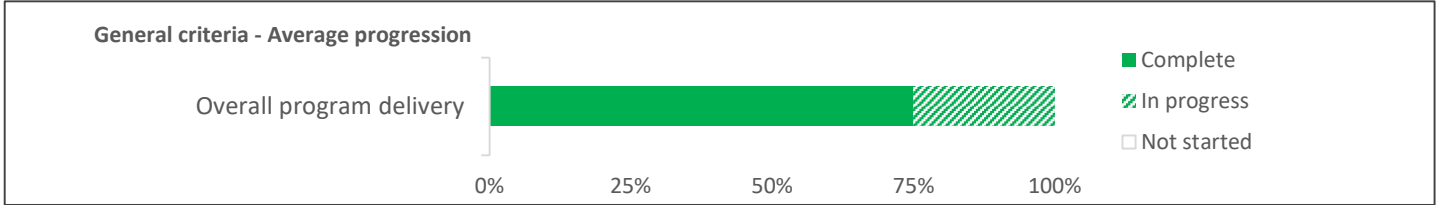
Retailers

Number of respondents	20	% Industry coverage	88%
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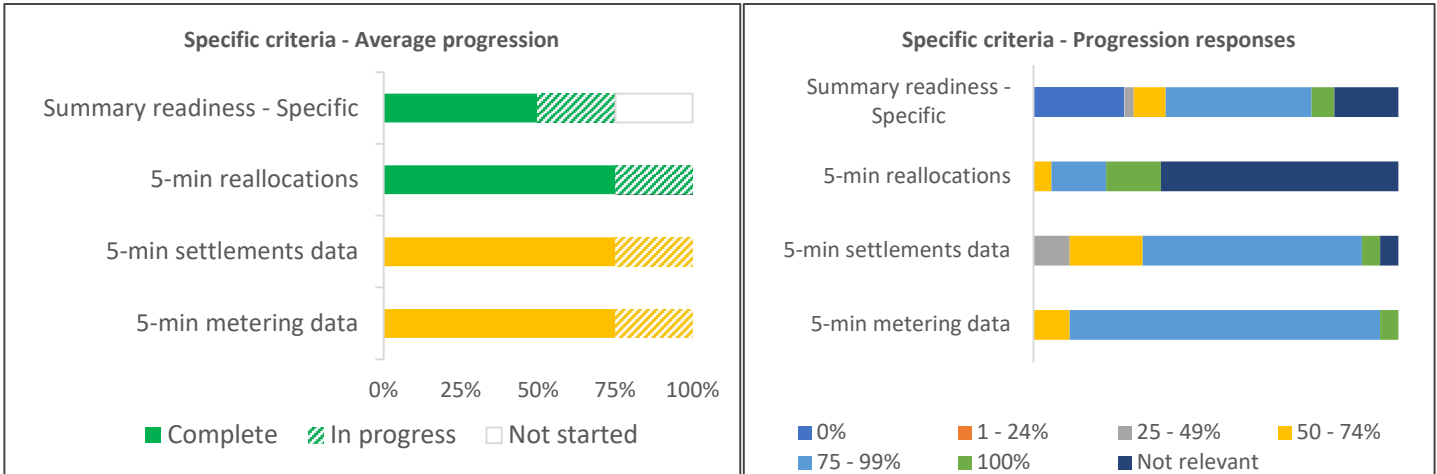
Overall Progress and Status

All Retailers stating that they are confident they will be able to perform their core business activities post 5MS commencement, with no systemic issues being reported. Overall, Retailers are reporting their programs as being 75-99% complete.

General Readiness Criteria



Specific Readiness Criteria



#	Topic	Observation / Actions
7	Specific criteria, Retailers	Four Retailers reporting 'at-risk' in relation to their ability to receive and reconcile 5-min settlements data Action 9.2: AEMO to follow up with the applicable Participants to confirm their remediation approach regarding their potential inability to receive and reconcile 5min settlements data by 1 Oct 2021.
8	Specific criteria, Retailers	Two Retailers reporting 'at-risk' in relation to their ability to receive and process 5-min metering data. Action 9.3: AEMO to follow up with the applicable Participants to confirm their remediation approach regarding their potential inability to receive and process 5min metering data by 1 Oct 2021.

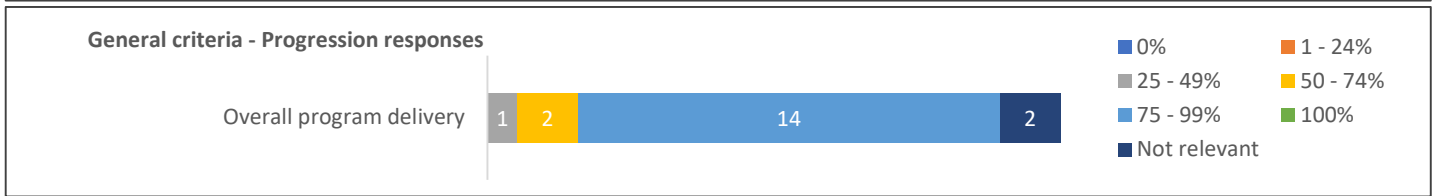
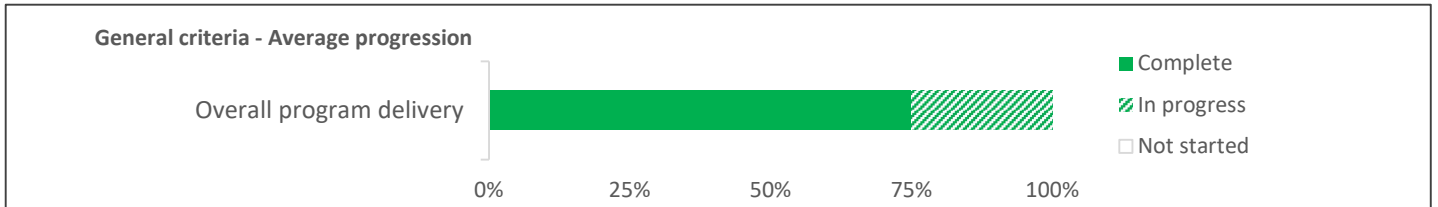
Generators

Number of respondents	19	% Industry coverage	94%
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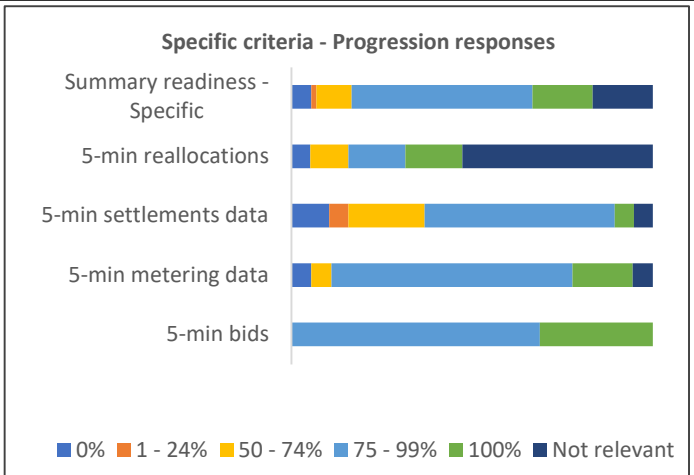
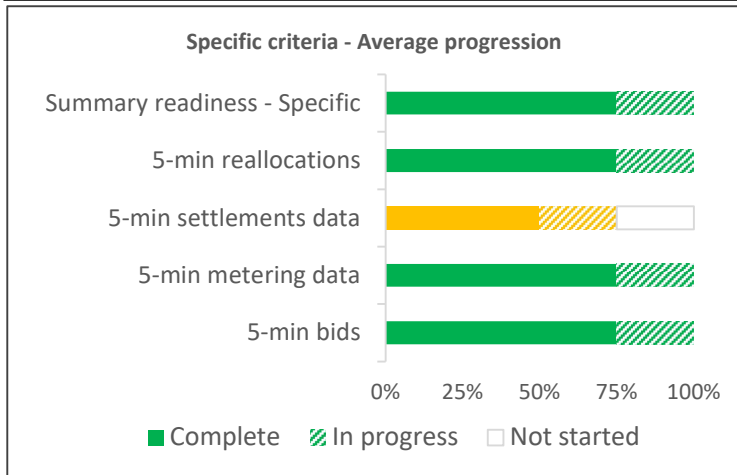
Overall Progress and Status

All Generators stating that they are confident they will be able to perform their core business activities post 5MS commencement, with no systemic issues being reported. Overall, Generators are reporting their programs as being 75-99% complete.

General Readiness Criteria



Specific Readiness Criteria



#	Topic	Observation / Actions
9	Specific criteria, Generators	<p>Three Generators reporting 'late' and three reporting 'at-risk' in relation to their ability to receive and reconcile 5-min settlements data.</p> <p>Action 9.2: AEMO to follow up with the applicable Participants to confirm their remediation approach regarding their potential inability to receive and reconcile 5min settlements data by 1 Oct 2021.</p>

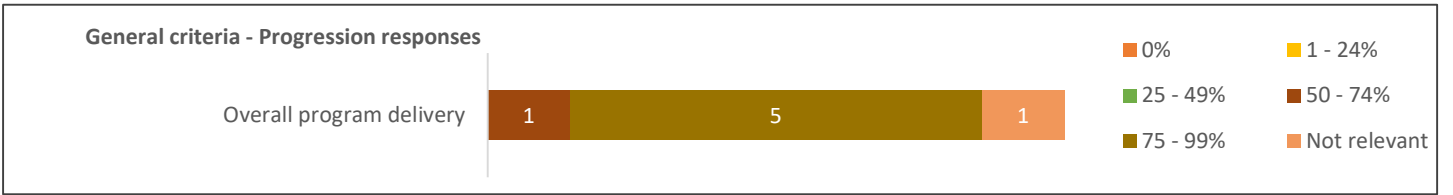
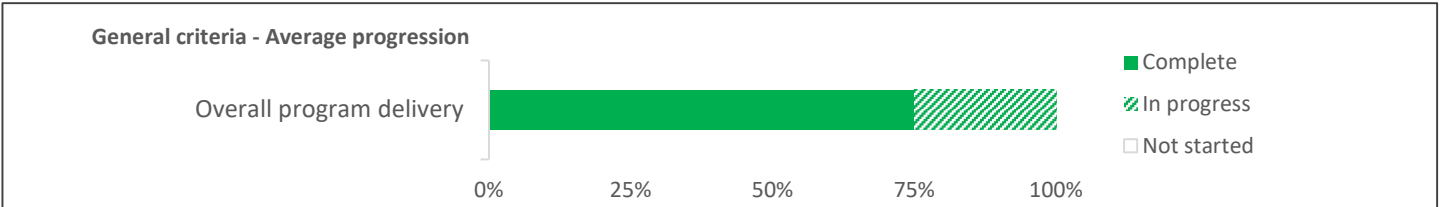
TNSPs

Number of respondents	7	% Industry coverage	100%
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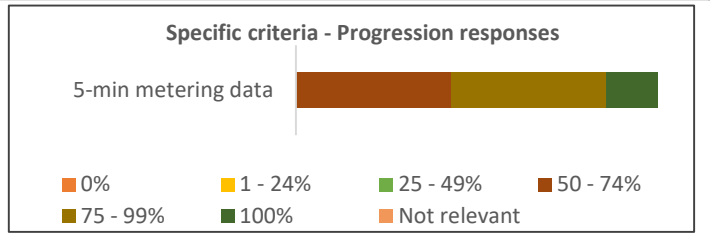
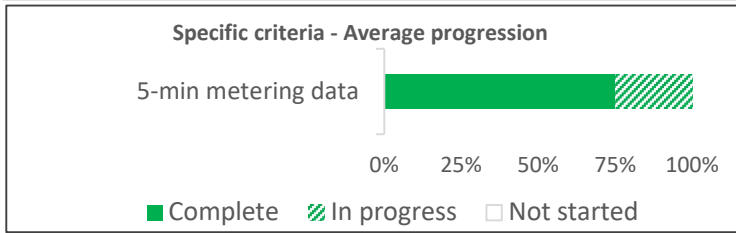
Overall Progress and Status

All TNSPs stating that they are confident they will be able to perform their core business activities post 5MS commencement, with no systemic issues being reported. Overall, TNSPs are reporting their programs as being 75-99% complete.

General Readiness Criteria

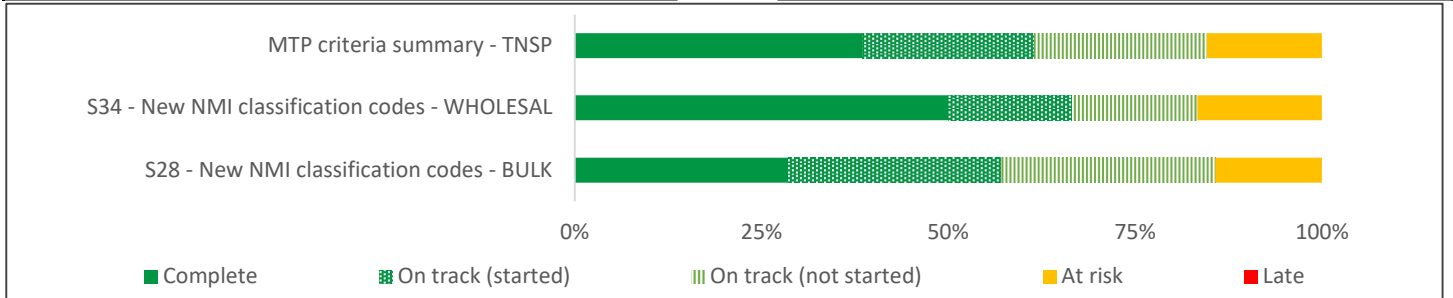


Specific Readiness Criteria



Metering Transition Plan Criteria

MSATS Standing Data Creation and Maintenance



#	Topic	Observation / Actions
10	Overall program delivery, TNSPs	<p>One TNSP reporting their MTP activities 'at-risk'</p> <p>Action 9.4: AEMO to follow up with the applicable TNSP to confirm their remediation approach regarding applicable MTP activities.</p>

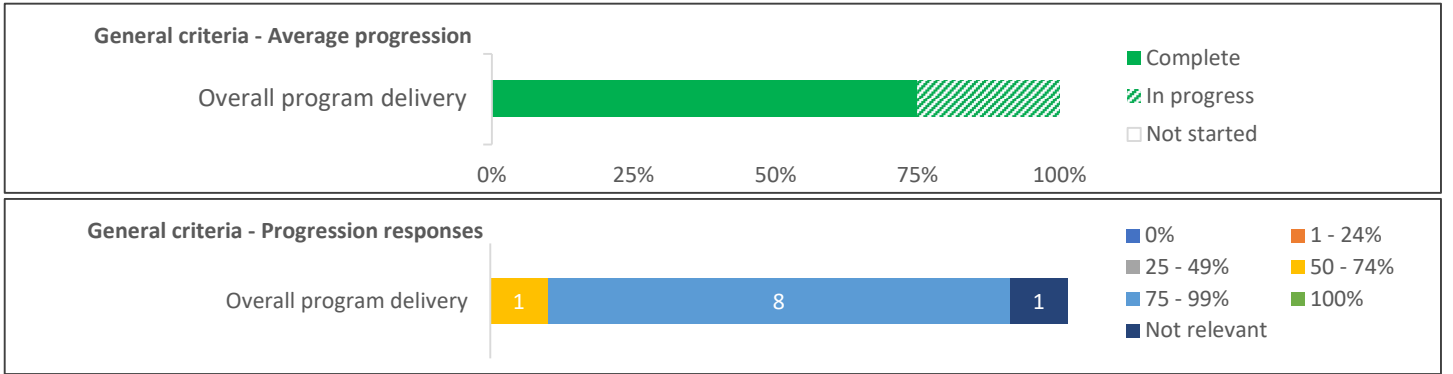
DNSPs

Number of respondents	10	% Industry coverage	100%
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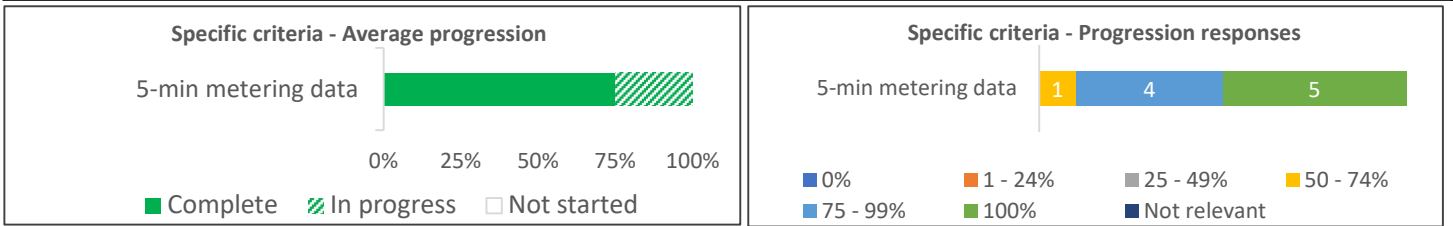
Overall Progress and Status

All DNSPs stating that they are confident they will be able to perform their core business activities post 5MS commencement, with no systemic issues being reported. Overall, DNSPs are reporting their programs as being 75-99% complete. Noting that one DNSP has reported a number of their GS/UFE related MTP activities as being 'late', which if not remediated, would have an impact on initial UFE calculations.

General Readiness Criteria

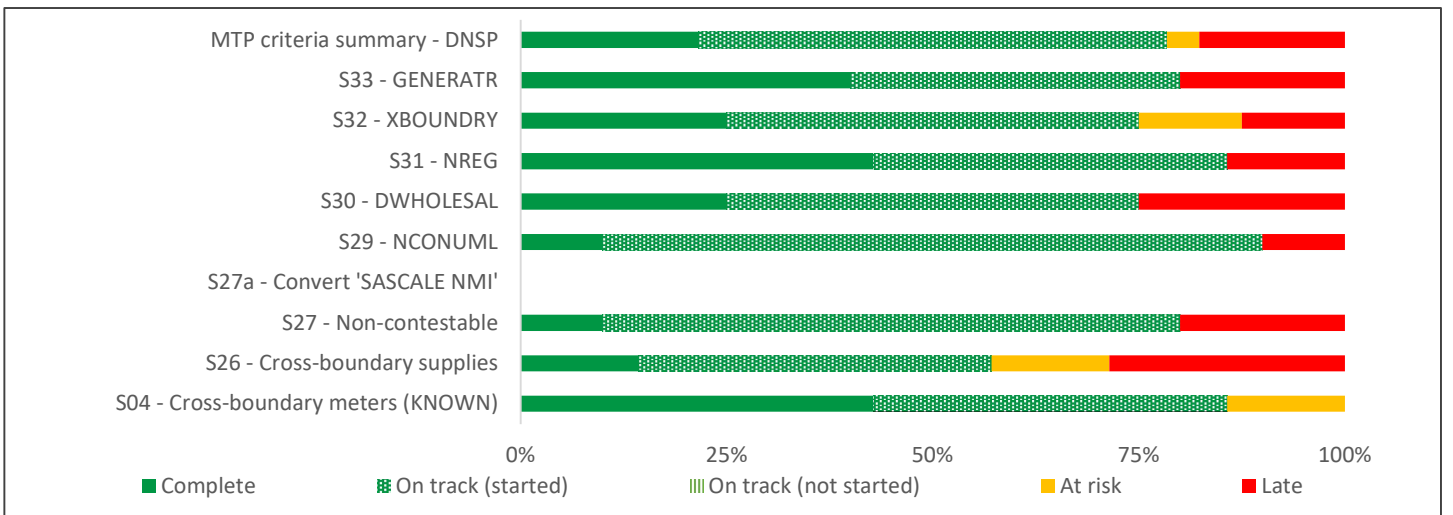


Specific Readiness Criteria



Metering Transition Plan Criteria

MSATS Standing Data Creation and Maintenance



#	Topic	Observation / Actions
11	MTP Criteria, DNSPs	One DNSP reporting 'at-risk' or 'late' regarding a number of MTP activities Action 9.5: AEMO to follow up with the applicable DNSP to confirm their remediation approach regarding applicable MTP activities.

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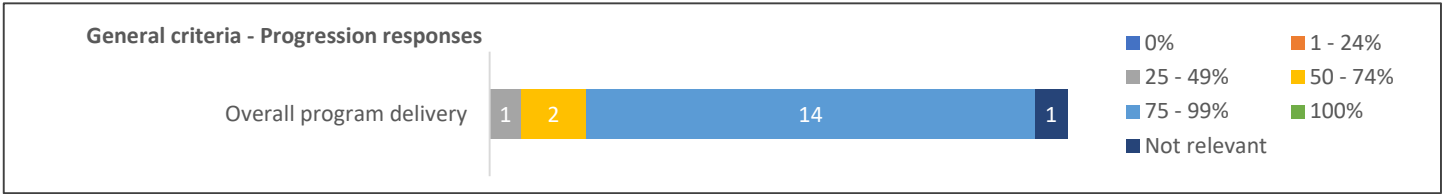
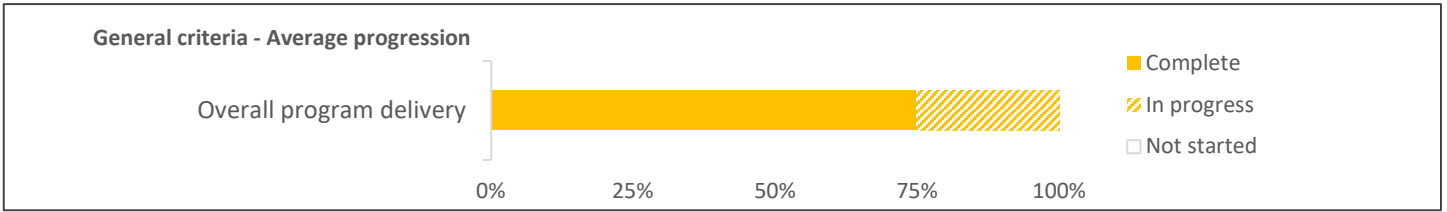
MPs

Number of respondents	18	% Industry coverage	100%
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Overall Progress and Status

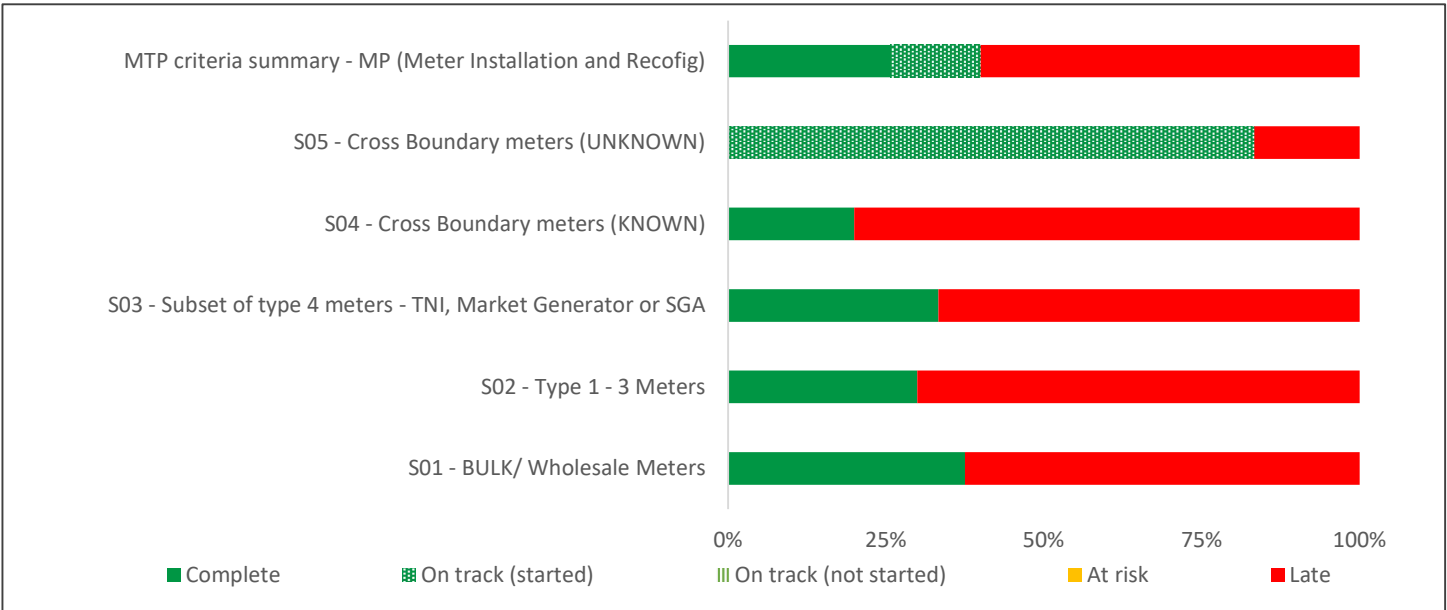
All MPs reporting that they are confident they will be able to perform their core business activities post 5MS commencement, with no systemic issues being reported. Overall, MPs are reporting their programs as being 75-99% complete. Noting that multiple MPs have reported a number of activities as being 'late' compared to the MTP transition end dates, but not at-risk of being non-compliant come 5MS Rule commencement.

General Readiness Criteria



Metering Transition Plan Criteria

Meter Installation and Reconfiguration



#	Topic	Observation / Actions
12	MTP Criteria (Meter Installation and reconfiguration), MPs	<p>Multiple MPs reported 'late' regarding the installation/reconfiguration of Type 1-3, subset of 4 and cross boundary meters.</p> <p>Action 9.6: AEMO to continue to monitor, report and engage applicable Participants regarding the installation/reconfiguration of Type 1-3, subset of 4 and cross boundary meters.</p>

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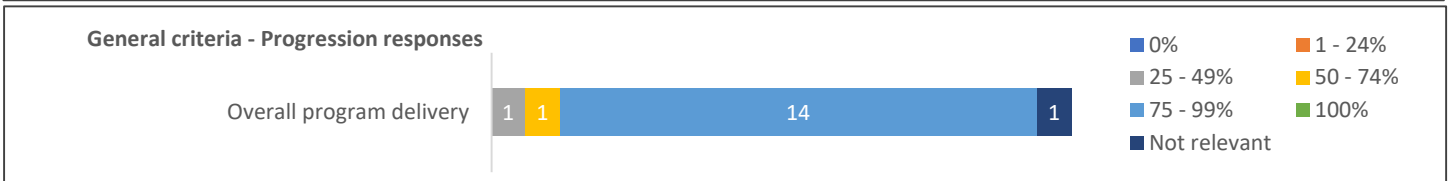
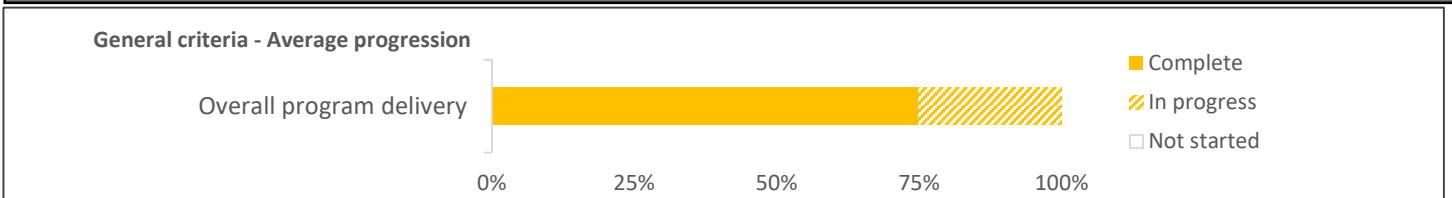
MDPs

Number of respondents	17	% Industry coverage	100%
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Overall Progress and Status

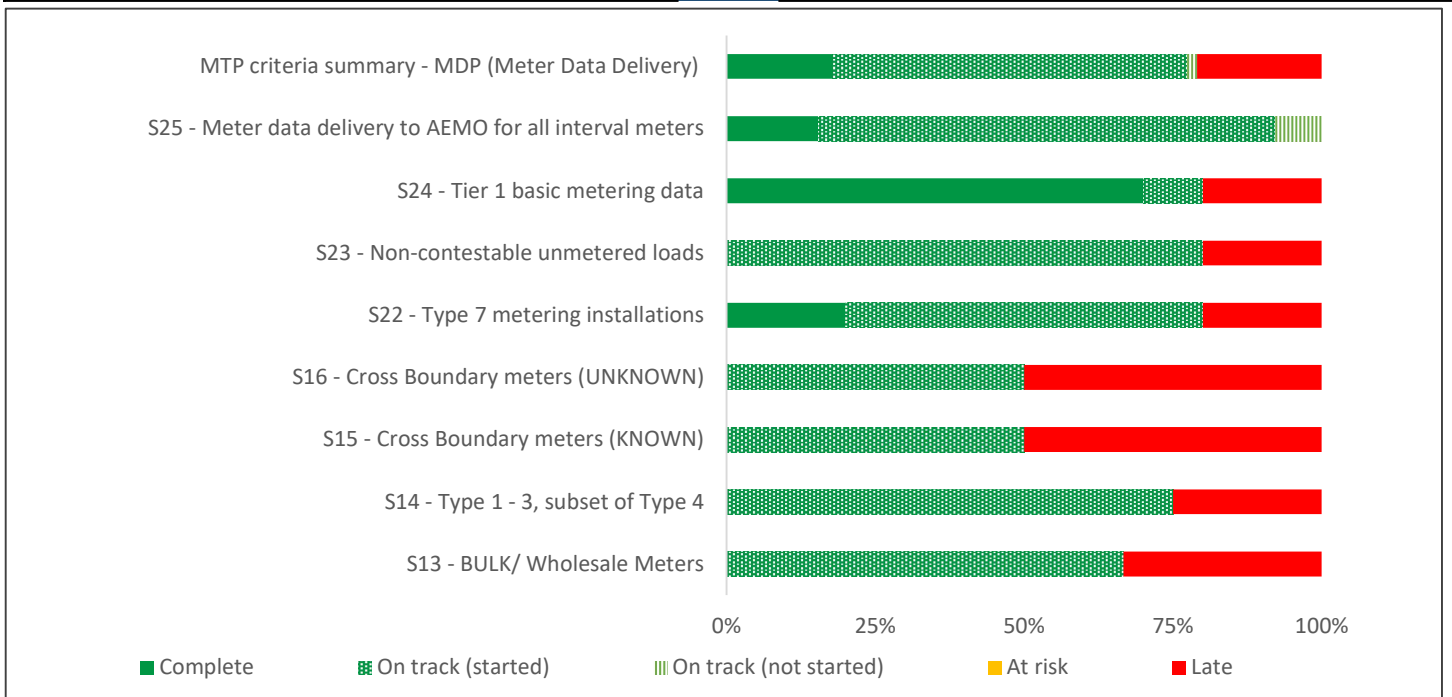
All MDPs reporting that they are confident they will be able to perform their core business activities post 5MS commencement, with no systemic issues being reported. Overall, MDPs are reporting their programs as being 75-99% complete. Noting that multiple MDPs have reported some activities as being 'at-risk' or 'late' compared to the MTP transition end dates.

General Readiness Criteria



Metering Transition Plan Criteria

Meter Data Delivery



#	Topic	Observation / Actions
13	MTP Criteria, MDPs	<p>Multiple MDPs reported 'late' regarding the delivery of metering data to AEMO for Type 1-3, subset of 4, cross boundary, tier 1 basic, type 7 and non-contestable unmetered loads.</p> <p>Action 9.7: AEMO to continue to monitor, report and engage applicable MDPs regarding the delivery of Type 1-3, subset of 4, cross boundary, tier 1 basic, type 7 and non-contestable unmetered load metering data.</p>

5MS GS Market Readiness Report - Round 9

MDPs

Number of respondents

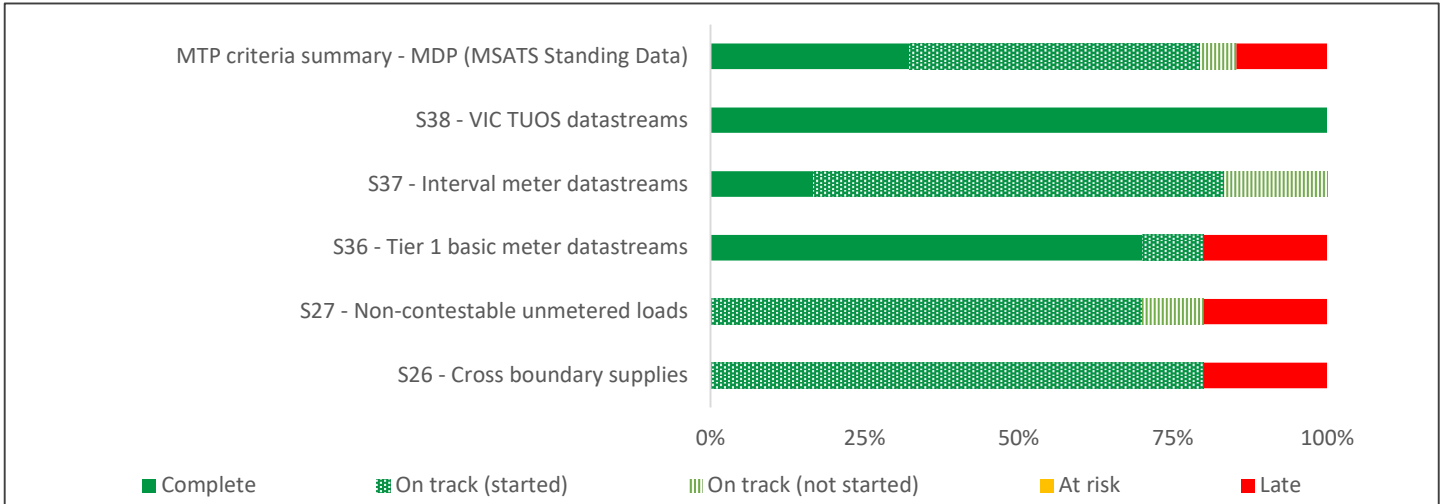
17

% Industry coverage

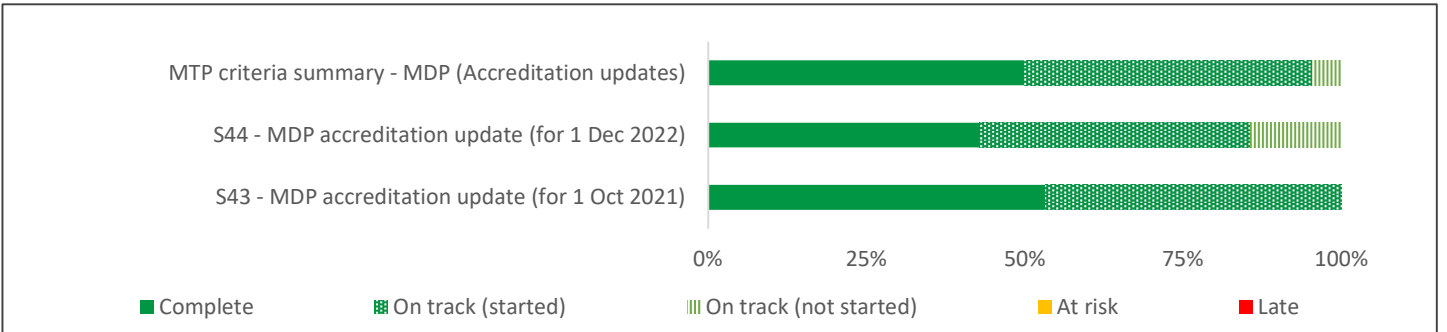
100%

Metering Transition Plan Criteria

MSATS Standing Data Creation and Maintenance



Metering Accreditation Updates



5MS GS Market Readiness Report - Round 9

MCs

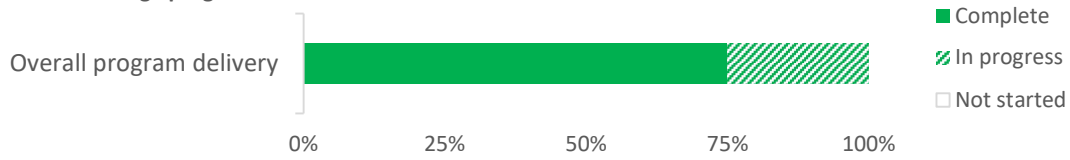
Number of respondents	20	% Industry coverage	93%
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Overall Progress and Status

All MCs stating that they are confident they will be able to perform their core business activities post 5MS commencement, with no systemic issues being reported. Overall, MCs are reporting their programs as being 75-99% complete.

General Readiness Criteria

General criteria - Average progression



General criteria - Progression responses



General criteria - Yes/No responses

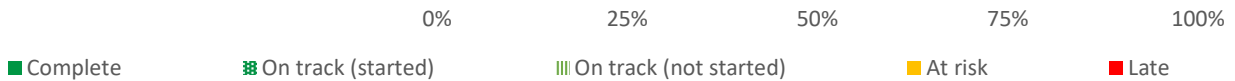


Metering Transition Plan Criteria

Meter Installation and Reconfiguration

MTP criteria summary - MC

S12 - Special Site



Survey Respondents

All organisations - 49**Organisation**

ActewAGL Retail
 AGL
 Alinta Energy
 APA
 Arrow Energy
 Aurora Energy
 Ausgrid
 Ausnet
 Ausnet Transmission Group
 Basslink
 Citipower, Powercor, United energy
 CleanCo Qld
 CS Energy Limited
 Delta Electricity
 EEQ - Ergon Energy Retail
 ElectraNet
 Endeavour Energy
 Energex & Ergon Energy
 EnergyAustralia
 ENGIE
 Essential Energy
 Evoenergy
 Flow Power
 Hydro Tasmania
 Infigen Energy
 Intellihub
 Jemena
 Macquarie Bank Limited
 Metropolis Metering Services Pty Ltd
 Mondo
 Next Business Energy
 Origin Energy
 PLUS ES
 Powerlink
 Powermetric
 Red/Lumo Energy
 RS Australia
 SA Power Networks
 SA Water
 Secure Metering
 Shell Energy
 Snowy Hydro
 Stanwell Corporation
 TasNetworks
 TasNetworks Pty Ltd (Transmission)
 Telstra Energy (Generation)
 TransGrid
 Vector Metering
 Yurika Metering (Metering Dynamics)

Generators - 19**Organisation**

AGL
 Alinta Energy
 APA
 Arrow Energy
 Basslink
 CleanCo Qld
 CS Energy Limited
 Delta Electricity
 EnergyAustralia
 ENGIE
 Hydro Tasmania
 Infigen Energy
 Origin Energy
 RS Australia
 SA Water
 Shell Energy
 Snowy Hydro
 Stanwell Corporation
 Telstra Energy (Generation)

Retailers - 20**Organisation**

ActewAGL Retail
 AGL
 Alinta Energy
 Aurora Energy
 CleanCo Qld
 CS Energy Limited
 Delta Electricity
 EEQ - Ergon Energy Retail
 EnergyAustralia
 ENGIE
 Flow Power
 Hydro Tasmania
 Infigen Energy
 Macquarie Bank Limited
 Next Business Energy
 Origin Energy
 Red/Lumo Energy
 SA Water
 Shell Energy
 Stanwell Corporation

Survey Respondents

MPs - 18**Organisation**

Ausnet
 Ausnet Transmission Group
 Citipower, Powercor, United energy
 Essential Energy
 Evoenergy
 Intellihub
 Jemena
 Metropolis Metering Services Pty Ltd
 Mondo
 PLUS ES
 Powerlink
 Powermetric
 SA Power Networks
 TasNetworks
 TasNetworks Pty Ltd (Transmission)
 TransGrid
 Vector Metering
 Yurika Metering (Metering Dynamics)

MDPs - 17**Organisation**

Ausnet
 Citipower, Powercor, United energy
 Endeavour Energy
 Energex & Ergon Energy
 Essential Energy
 Evoenergy
 Intellihub
 Jemena
 Metropolis Metering Services Pty Ltd
 Mondo
 PLUS ES
 Powermetric
 SA Power Networks
 Secure Metering
 TasNetworks
 Vector Metering
 Yurika Metering (Metering Dynamics)

MCs - 20**Organisation**

Ausgrid
 Ausnet
 Ausnet Transmission Group
 Citipower, Powercor, United energy
 ElectraNet
 Endeavour Energy
 Essential Energy
 Evoenergy
 Intellihub
 Jemena
 Metropolis Metering Services Pty Ltd
 Mondo
 Origin Energy
 PLUS ES
 Powerlink
 Powermetric
 TasNetworks Pty Ltd (Transmission)
 TransGrid
 Vector Metering
 Yurika Metering (Metering Dynamics)

TNSPs - 7**Organisation**

Ausgrid
 Ausnet Transmission Group
 ElectraNet
 Evoenergy
 Powerlink
 TasNetworks Pty Ltd (Transmission)
 TransGrid

DNSPs - 10**Organisation**

Ausgrid
 Ausnet
 Citipower, Powercor, United energy
 Endeavour Energy
 Energex & Ergon Energy
 Essential Energy
 Evoenergy
 Jemena
 SA Power Networks
 TasNetworks