

2022 Implementation Forum

Tuesday 29th November
2022

This meeting is recorded for the purpose of
minute taking.

Please disconnect from your workplace VPN
for the Teams call



AEMO Competition Law Meeting Protocol

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

Participants in AEMO discussions **must**:

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

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

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

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

Agenda

Greg Minney



Agenda

#	Time	Topic	Presenter
1	10:00 – 10:05	Welcome and Agenda	Greg Minney
2	10:05 – 10:10	Actions	Chris Fleming
3	10:10 – 10:20	November Milestone and Release Summary update	Chris Fleming / Jim
4	10:20 - 10:30	MSDR Focus Group Update – Approach to Data Population	Blaine Miner
5	10:30 - 10:40	2023 March Release Update	Greg Minney
7	10:40 – 10:50	May 2023 milestone review	Greg Minney
8	10:50 – 11:05	SAPS design Update	Paul Lyttle
9	11:05 – 11:15	Industry Test Approach – March and May (include Data Model Updates , style of testing and Plans ITWG involvement	Tui Grant
10	11:15 – 11:30	October Release – Milestones and Approach – MT PASA and FFR	Greg / Paul J (FFR)
11	11:30 – 11:40	Summary of Tranche 2 Metering Deployment	Paul Lyttle
12	11:40 – 11:45	Industry Risk and Issues review	Greg Minney
13	11:45 – 11:50	Forward Plan and Other Business	Greg Minney
14	11:50 – 12:00	Questions	Greg Minney
15	12:00	Meeting Close	Greg Minney

Actions

Chris Fleming



Actions

ID	Status	Action	Comment
11.1	Complete	AEMO to send a CDR Go-Live Plan to forum members who have requested a copy but not yet received it.	Plan sent
11.2	Complete	AEMO to update incorrect configuration item in Pre-Prod	Configuration updated in pre-prod
11.3	Complete	Go-live plan to be re-released when DERR outage times are confirmed	Plan sent with final timing

November 22 Milestones

Chris Fleming



Nov 22 - Program Updates

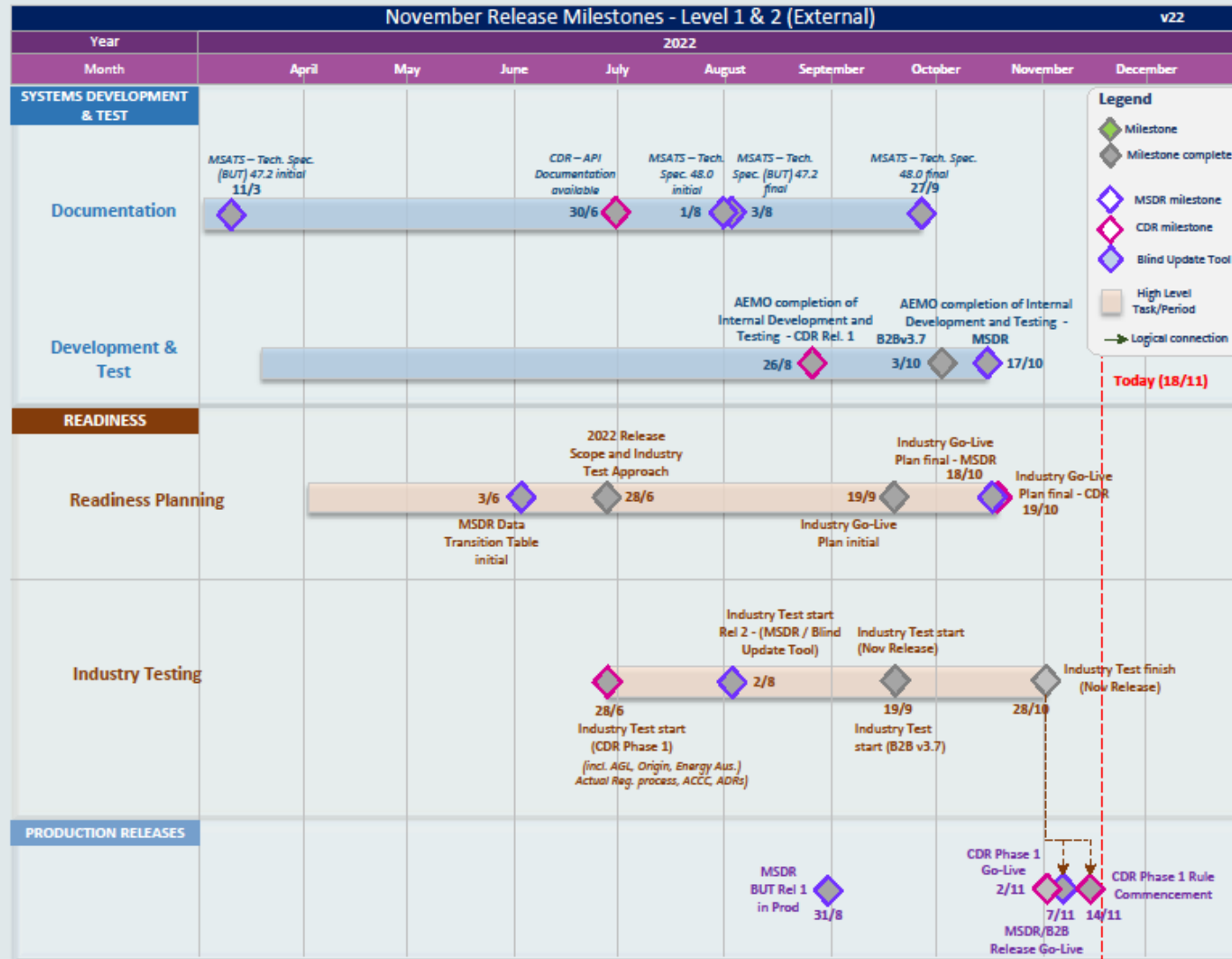
MSDR & B2Bv3.7 successfully released into Production on 06/11.

Blind Update scripts run on 23/11, no issues reported to date.

Final changes to BUT scheduled on 30/11. BUT release will include Lat/Long attributes

Industry test environment remains available to participants for testing up to 30/11.

All CDR APIs are live in production including the DERR APIs.



Implementation Planning

- Final implementation activity, BUT update, scheduled for 30th November
 - BUT will be configured to enable updates to additional attributes
 - Lat/Long attributes will be available following successful implementation of validation changes
- Post Implementation Review – November Release
 - Participants are asked to provide feedback on the November Release via GSMSTR@aemo.com.au
 - Key feedback to date has been around the timings of AEMO communications during the implementation window. Support Hub communications are triggered at the end of the change window, not when the change is complete. Need to ensure that communications distribution lists are more comprehensive.

MSDR Delivery update

Deliverable	Content	Status	Draft Release	Final Release
PACKAGE 1 – Blind Update Tool (MSATS Release 47.2)				
MSATS Technical Specification (v47.2)	Describes the projects and enhancements planned by AEMO from a participant perspective and includes the related changes to participants' IT systems	Final published	11-Mar-22	07-Oct-22
Guide to CSV Data Format Standard*	Updated with new fields required for the Blind Update Tool (BUT). Note: <i>No material updates required, further updates/corrections will be communicated via MSUG</i>	Draft published	06-Jun-22 02-Mar-22	N/A
Guide to MSATS Web Portal*	Updated with: <ul style="list-style-type: none"> Using the Blind Update Tool (BUT) interface How to construct payloads for the web and API interfaces. Blind Update Tool (BUT) validation matrix 	Final published	17-Jun-22	02-Aug-22
Blind Update Tool API Reference*	Updated with Blind Update Tool APIs	Final published	17-Jun-22	02-Aug-22
Enumeration publication	A list of enumerations with Code groups and descriptions. Note: <i>Proposed ENUMs have been published in the Pre-Prod Markets portal. Final publication to the Production Markets Portal pending approval.</i>	Final published	02-Aug-22	26-Aug-22
PACKAGE 2 – MSDR core changes & B2B v3.7 (MSATS Release 48.0)				
MSATS Technical Specification (v48.0)	Describes the projects and enhancements planned by AEMO from a participant perspective and includes the related changes to participants' IT systems	Final published	25-Jul-22	17-Oct-22
Technical Guide to MSATS	Updated to include information about the Blind Update Tool (BUT) and Snapshot report Note: <i>Key details documented in published MSATS Tech Spec 47.2 & MSATS Tech Spec 48.0, any revisions to include MSDR inclusions will be communicated via Implementation Forum</i>	N/A	7-Nov-22 N/A	7-Nov-22 N/A
Guide to MSATS reports	Updated with changes to MSATS C1 report and information about the Snapshot report Note: <i>Key details documented in published MSATS Tech Spec 47.2 & MSATS Tech Spec 48.0, any revisions to include updates to C1 and Snapshot report will be communicated via Implementation Forum</i>	N/A	7-Nov-22 N/A	7-Nov-22 N/A
B2M Mapping to aseXML	New guide detailing the mapping between the MSATS B2M procedures and the aseXML schema Note: <i>Key details documented in published MSATS Tech Spec 47.2 & MSATS Tech Spec 48.0, publication of a draft of this new artefact will be communicated via Implementation Forum</i>	N/A	7-Nov-22 N/A	7-Nov-22 N/A
Validation Module Matrix	Version 2.1 of the Validation Module Matrix to reflect the field validation requirements of B2B v3.7 Note: <i>Details documented in published MSATS Tech Spec 48.0</i>	Draft published	02-Aug-22	19-Sep-22

* Link to item detailed in Section 1.9 of the MSATS Technical Specification (v47.2)

MSDR Focus Group

Blaine Miner



MSDR Focus Group Update

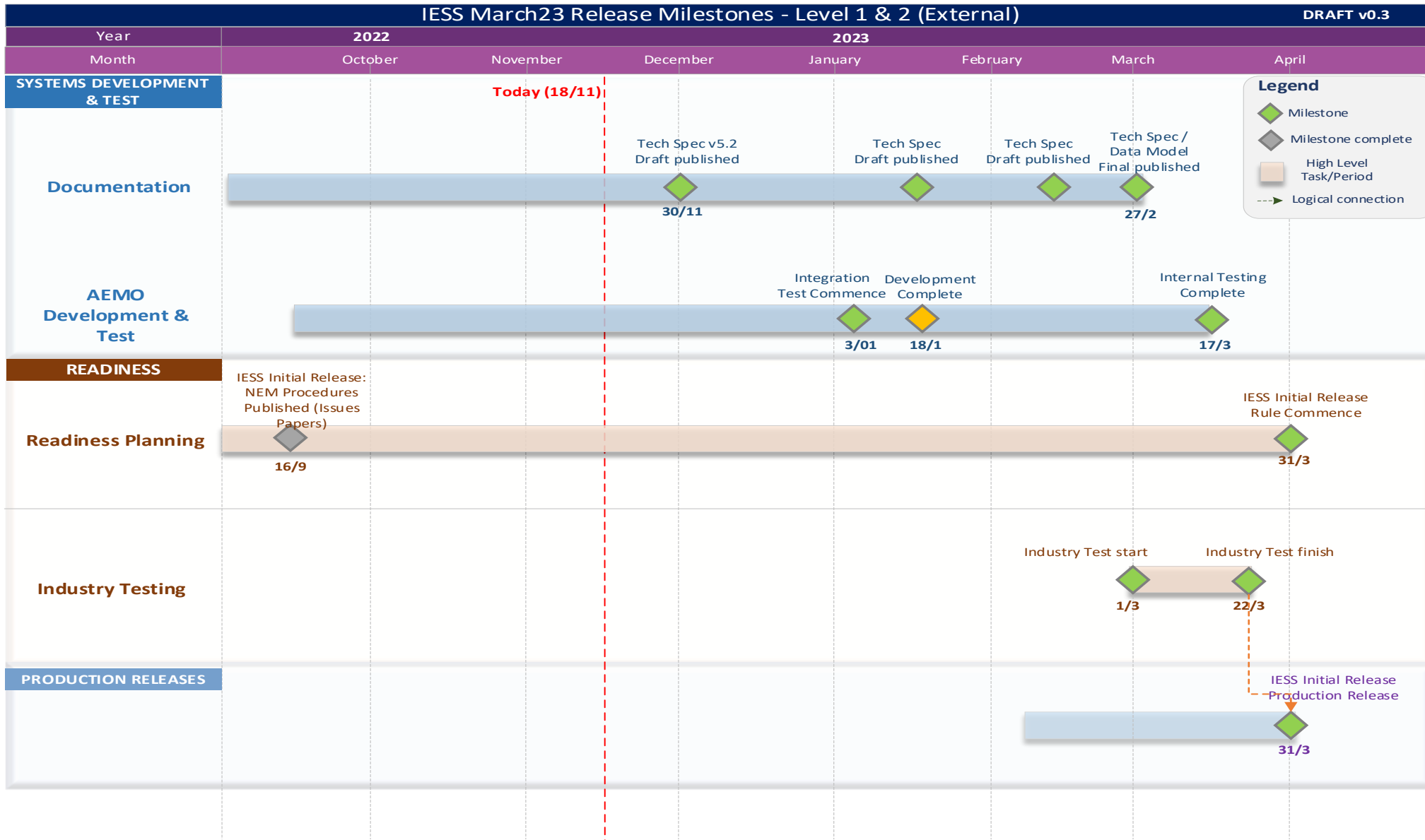
- The last monthly MSDR Focus Group meeting occurred on Monday 21 November
 - The FG will now meet on an as needs basis during the MSDR Data Transition period
- Agenda included:
 - MSDR implementation
 - Successful deployment of MSATS 48.0
 - Procedural obligations came into effect on 7 November 2022
 - Blind scripts on track for execution on 23 November
 - BUT will be configured to enable updates of the remaining Standing Data Attributes, including GPS Lat/Long Coordinates, from 30 November 2022
 - Q&A Sessions have been established on alternate days since 7 November
 - Priority 1 Scheduling and Volumes
 - BUT enabled P1 field update volumes have now been scheduled
 - Priority 2 and 3 Transition Planning and Scheduling
 - Industry has requested AEMO to continue to assist in planning and scheduling activities
 - The existing 400k Industry level daily update limit will remain in place
 - Participants are requested to send through their P2 and P3 field update allocation requests to AEMO at their earliest convenience
 - FG members agreed that where daily capacity exists, Participants can request to perform updates the following day via AEMO i.e. with only 1-day lead-time

2023 March Release

Greg Minney



Initial IESS Release – March 2023



March 2023 delivery update

Two components to the release:

- Market Small Generation Aggregators (MSGAs) eligible to provide FCAS
- Based on Industry feedback an alternative Aggregate Dispatch Conformance (ADC) approach will be implemented. This alternative will be delivered post 31 March – with confirmed timeframes currently under assessment
- Once established IESS initial release milestones will be updated to reflect ADC Delivery timeframes, including dispatch procedure, data model (if required) and Industry Testing prior to release
- MSGA Capability remains on track for 31 March go-live

Draft Technical Specs for data model release 5.2 scheduled for 30/11, previously 12/12

- Release includes changes for ADC and SAPS that will be blank until capability release

AEMO Development Complete milestone delayed until 18/1 (was 12/12)

- Reflects delay for one component
- Integration Testing will commence as scheduled and will complete on schedule
- No impact to 14/2 milestone for completion of AEMO development and Internal testing

Industry Testing Scope for March release confirmed

- ITWG will be conducted in January to support those participants planning to utilise test period

Data Model 5.2 availability and review

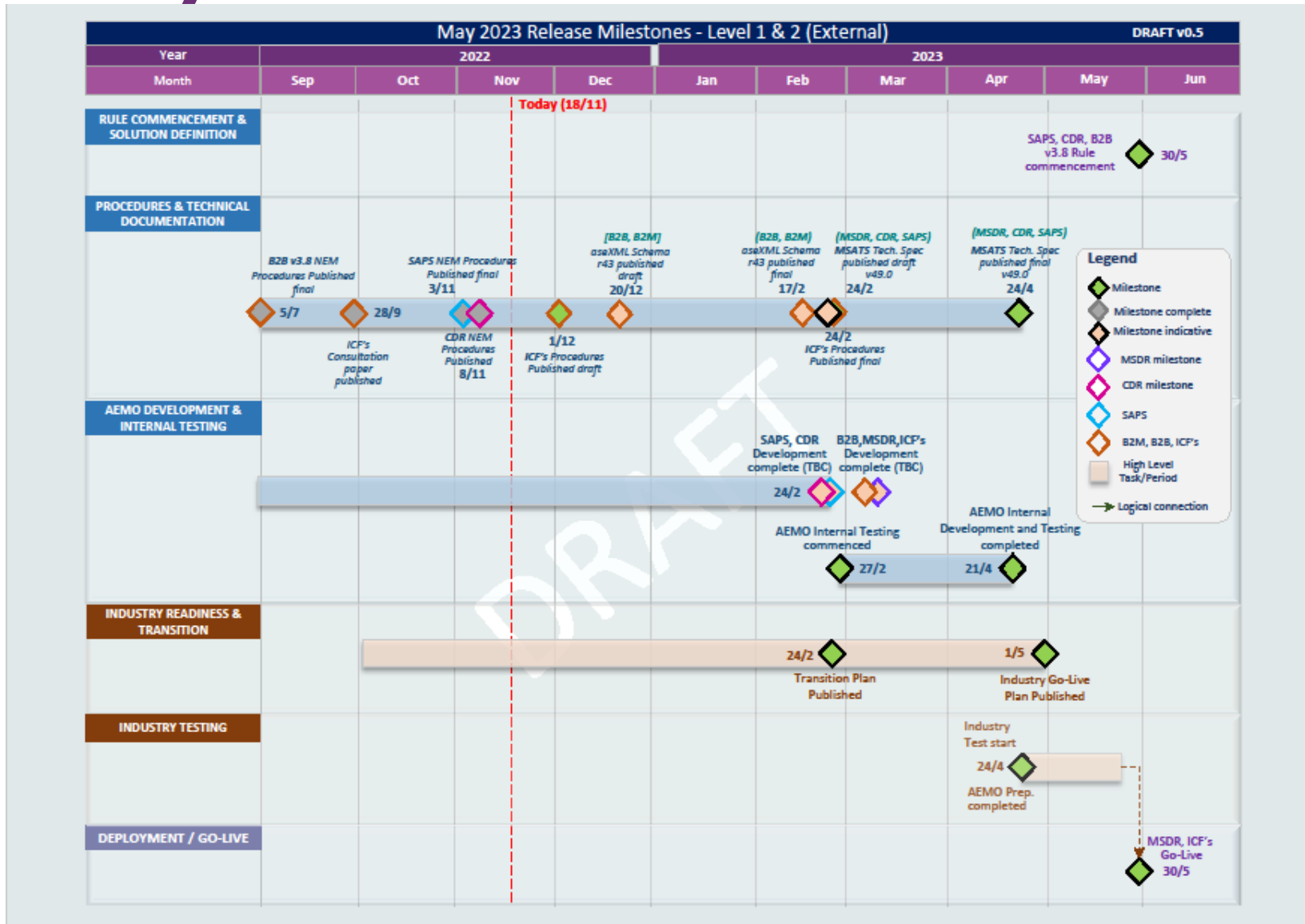
- Scope includes Changes for ADC and SAPS settlement, plus other BAU changes
 - No mandatory requirement for participants to upgrade
 - Both ADC and SAPS tables will remain empty until capability release
- Tech Specs draft published on AEMO Website
 - <https://aemo.com.au/energy-systems/market-it-systems/it-change-and-release-management>
- AEMO will hold briefing sessions via Market Systems User Group (MSUG)
 - Mid December – following draft spec release
 - 2 weeks prior to pre-prod release at end Feb 2023
 - 2 weeks prior to Production release at end March 2023
 - 2 weeks post Production Release
- Participants can nominate for MSUG invitations via AEMO Support Hub

May Milestone Update

Greg Minney



May 2023 Release



CDR (3/11) and SAPS (8/11) procedure consultations finalised

Load Profiling Methodologies Draft Report due for publishing by 1/12

- 2 material matters being considered:
 - Preferred methodology and profile type application
 - Preferred implementation date
- No material issues re the 3 ERCF ICFs

Draft r43 Schema scheduled for release 20 December – in advance of previously reported date of 10/2. Release will address both B2M and B2B changes

Design & Development activities proceeding for all areas of May release, minor delays in commencing some ICF development.

Planning for AEMO Integration and UAT has commenced

Industry Testing Approach for March and May releases scoped

Scoping of transition and go-live planning commenced, will include approach to transition of existing meter exemptions. No transitional activities required for CDR implementation of Last Customer Change Date

SAPS design update

Paul Lyttle



Stand Alone Power Systems (SAPS)

Design Decisions



SAPS – New Role Category

SAPS has introduced some specific requirements related to the Participant Registration category.

- Currently MSATS records all financially responsible participants as FRMPs
- However to support the new requirements MSATS will need to know the category.
- A new Role Category will be included to the ROLE assignment within MSATS.
 - The Role Category will initially be used to identify if the FRMP is a category of:
 - SGA – Small Generator Aggregator; or
 - MSRP – Market SAPS Resource Provider
- The new Role Category will be included into the C1 – Cats_Participant_Roles report
- The New Role Category will be used in MSATS Change Requests validations.

SAPS – Change Details

As identified previously SAPS introduces some new conditions relating to MSRPs and Stand Alone Power System (SAPS):

- Embedded Networks are not supported within the SAPS
 - New CR validation will reject NMIs being registered to a SAPS that have an Embedded Network Code assigned.
- Transferring a NMI to a SAPS requires the DLF and TNI to be updated.
 - New CR validation will reject the update of a NMI to a SAPS that does not have a ‘SAPS’ DLF and TNI.
- Small Generator Aggregator (SGA) are not eligible within a SAPS
 - New CR validation will reject SGA (FRMP) Participant being transferred to a SAPS NMIs.
- SAPS Resource Provider (MSRP) are not eligible within the NEM
 - New CR validation will reject MSRP (FRMP) Participant being transferred to a NEM NMI.

SAPS – Change SDQ reporting

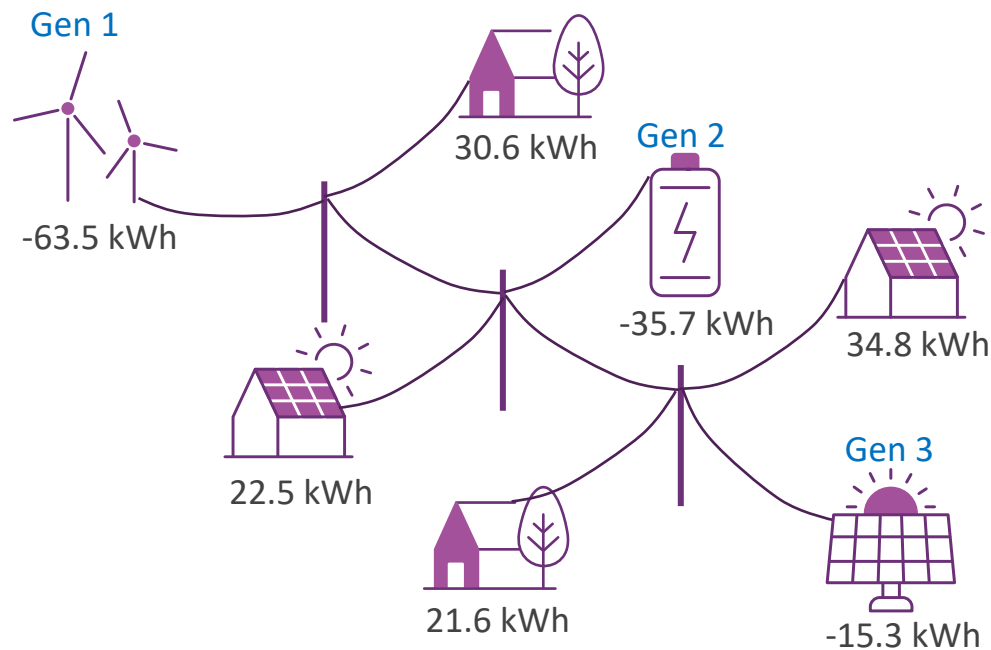
Due to changes in data via multiple CRs over time the data quality may not be in line with the Rule Requirements:

- Therefore New SDQ validation will be added to the RM29 report;
 - LNSP checks:
 - SAPS DLF is correctly assigned to only SAPS NMIs
 - SAPS NMIs do not have an Embedded Network Parent value assigned
 - Each SAPS has a Generation unit assigned and a Customer NMI
 - ENM checks:
 - SAPS NMIs do not have an Embedded Network Child value assigned
 - FRMP checks:
 - A SGA is not assigned as the FRMP to a SAPS NMI
 - A MSRP is not assigned as the FRMP to a NEM NMI
 - A Scheduled Generator is not assigned to a SAPS

SAPS Energy Allocation

Allocation of Energy to multiple MSRP generators

- The Contribution Ratio and Allocation will be applied for each interval



Load	30.6 kWh
	22.5 kWh
	21.6 kWh
	<u>25.4 kWh</u>
Total Load	100.1 kWh

Gen 1	-63.5 kWh
Gen 2	-35.7 kWh
Gen 3	<u>-15.3 kWh</u>
Total Gen	-114.5 kWh

Calculate Contribution Ratio

Ratio = Gen n / Total Gen

$$\text{Gen 1} = -63.5 / -114.5 = 0.5546$$

$$\text{Gen 2} = -35.7 / -114.5 = 0.3118$$

$$\text{Gen 3} = -15.3 / -114.5 = 0.1336$$

Allocation = Total Load * Ratio

$$\text{Gen 1} = 100.1 \times 0.5546 = -55.52$$

$$\text{Gen 2} = 100.1 \times 0.3118 = -31.21$$

$$\text{Gen 3} = 100.1 \times 0.1336 = -13.37$$

Energy sign set to '-' to indicate Generation

SAPS Generator Reconciliation

To assist in the reconciliation of SAPS generators “calculated energy data”

- A new RM51 – Regulated SAPS Generator Reconciliation report will be created to provide the values used in calculating the allocated values.
- The report will be automatically created and provide to the registered MSRP (FRMP) as part of the MDM allocation process

CaseId	SettlementType	ProfileArea	TNI	NMI	SettlementDate	CreationDT	Data Type	Period001	Period002	Period003	Period004	Period005	Period006	Period007	Period008	Period009	Period010	Period011	Period012	
1234	FINAL	ERGONENERGYSAPS	B001	12345678901	16/12/2022	22/12/2022 19:00:00	Total_Load	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000
1234	FINAL	ERGONENERGYSAPS	B001	12345678901	16/12/2022	22/12/2022 19:00:00	Cont_Ratio	0.4286	0.4286	0.4286	0.4286	0.4286	0.4286	0.4286	0.4286	0.4286	0.4286	0.4286	0.4286	0.4286
1234	FINAL	ERGONENERGYSAPS	B001	12345678901	16/12/2022	22/12/2022 19:00:00	Calc_Alloc	0.1286	0.1286	0.1286	0.1286	0.1286	0.1286	0.1286	0.1286	0.1286	0.1286	0.1286	0.1286	0.1286
1234	FINAL	ERGONENERGYSAPS	B001	56789012302	16/12/2022	22/12/2022 19:00:00	Total_Load	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000
1234	FINAL	ERGONENERGYSAPS	B001	56789012302	16/12/2022	22/12/2022 19:00:00	Cont_Ratio	0.5714	0.5714	0.5714	0.5714	0.5714	0.5714	0.5714	0.5714	0.5714	0.5714	0.5714	0.5714	0.5714
1234	FINAL	ERGONENERGYSAPS	B001	56789012302	16/12/2022	22/12/2022 19:00:00	Calc_Alloc	0.1714	0.1714	0.1714	0.1714	0.1714	0.1714	0.1714	0.1714	0.1714	0.1714	0.1714	0.1714	0.1714
CaseId	SettlementType	ProfileArea	TNI	NMI	SettlementDate	CreationDT	Data Type	Period001	Period002	Period003	Period004	Period005	Period006	Period007	Period008	Period009	Period010	Period011	Period012	
1234	FINAL	ERGONENERGYSAPS	B001	24680135703	16/12/2022	22/12/2022 19:00:00	Total_Load	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000
1234	FINAL	ERGONENERGYSAPS	B001	24680135703	16/12/2022	22/12/2022 19:00:00	Cont_Ratio	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1234	FINAL	ERGONENERGYSAPS	B001	24680135703	16/12/2022	22/12/2022 19:00:00	Calc_Alloc	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Above is a mock up of the report contains:

- Total_Load – Sum of customer NMI energy in kWh for the regulated SAPS
- Cont_Ratio – Ratio of generated energy contributed to the regulated SAPS
- Calc_Alloc – Calculated allocation of energy for the generation NMI (Total_Load x Cont_Ratio)

Note: fields and details within the mock up report may change

Industry Testing Update – March and May

Tui Grant



Suggested Testing for the March 2023 Release.

- Participants interested in the changes are welcome to test the March release.
- Q&A sessions will be held during the Pre Production testing period to support any participants testing and requiring assistance

Industry Testing	
Suggested Tests	Participants
Registration of SGA's	SGA
Verify bid submissions	SGA
Verify changes to common (compliance monitor)	ALL
Verify Data Model Changes	ALL
Registration of MSRP (in support of May release)	MSRP

Suggested Testing for the May 2023 Release.

- Request for interested parties for the invitation testing of SAPS will be requested in March
- Q&A sessions will be held during the Pre Production testing period to support any participants testing and requiring assistance and track the invitation testing progress

Invitation Testing	
Suggested Tests	Participants
Invitation for interested parties to verify SAPS set up	MSRP/FRMP/LNSP
Verify additional validations to CR's as part of SAPS	LNSP
Settlement run for SAPS (if interest is high enough)	LNSP/FRMP/MSRP

Industry Testing	
Suggested Tests	Participants
CDR	FRMPS
B2B Schema r43	ALL
B2M Schema r43	ALL
- 'House Number To Suffix' is a part of the Australian structured address standards.	ALL
Updating Network Tariff for a Greenfield NMI	ALL
Allow ENMs visibility to parent NMI standing data	ALL
Addition of LCCD flag	ALL
Extend the current 130 business day limitation on NMID3 requests.	ALL
New CR 5056/5057 – Last consumer change date	FRMP
Verify meter exemption screens	MC
Verify changes to child NMI standing data	ALL
Change to CR3101 to validate greenfield site network tariff code	LNSP
Verify NMI discovery change to type 3 discovery (130 business days)	FRMPS
Verify additional validations to CR's as part of SAPS	LNSP

Testing for 2023/2024

November Implementation Forum:

- Industry testing Approaches for IESS Initial Release and May

The next ITFG will be held in January and will cover:

- Overview of proposed Releases for 2023 and 2024.
- Recommended testing for each release.
- Establish a register for participants interested in being part of testing for these changes.

October 2023 Release

Greg Minney



Indicative October Release

2 NEM reform initiatives are scheduled for rule commencement 9th October 2023

- Fast Frequency Response – introduction of 2 new FCAS services
- Enhanced MT PASA Information – enhanced reporting of units status and recall timeframes

Consideration of 5MLP updates dependent on consultation outcome (ICF060)

AEMO program delivery planning in progress – to be reflected in L1/L2 milestones for PCF and Implementation Forum (January)

- Will require Data Model update (Dispatch and Settlement)
- Changes to Bidding to accommodate new FCAS Service
- MT PASA to introduce API delivery of updates, and consider retirement of FTP Delivery
- Expect industry testing approach to encompass all changes in single period
- Registration commencement ahead of rule commencement

Procedural Consultations for FFR and MT PASA in progress

- MASS finalised 7th October

Inflight Initiatives – Fast Frequency Response

Fast Frequency Response

ESB Reform Pathway	Essential System Services
Status	Final Rule Determination
Key Date(s)	Go-live October 2023
Likely impacted stakeholders	Generators, Market Customers, Traders
Industry testing anticipated	Industry Testing (TBC) but will require AEMO co-ordination for settlement run outcomes

Objective

Establish two new market ancillary services – very fast raise and very fast lower – to operate alongside the existing contingency FCAS markets.

Value / Benefit

- An alternative additional frequency control option may reduce the overall costs of managing power system frequency relative to the status quo or other alternative arrangements. For example, through a reduction in the costs for fast six-second FCAS.
- Incentivises investment in resources capable of providing very fast FCAS.
- Encourages innovation and technology development in resources capable of providing very fast FCAS

Project Scope

- The market arrangements for the new market ancillary services will be the same as those for the existing fast raise and fast lower services. This includes the arrangements for registration, scheduling, dispatch, pricing, settlement and cost allocation.
- Develop and consult on FFR Market Ancillary Service Specification (MASS) – DONE Published October 2023.
- IT related changes to AEMO/Participant FCAS systems/ models, bidding interfaces and reports, NEM Dispatch Engine (NEMDE), and Settlement Systems.
- Updates to relevant AEMO/Participant policies, processes, guidelines.

Relevant links

<https://www.aemc.gov.au/rule-changes/fast-frequency-response-market-ancillary-service>

<https://aemo.com.au/consultations/current-and-closed-consultations/amendment-of-the-mass-very-fast-fcas>

Inflight Initiatives – Increased MT PASA Information

Increased MT PASA Information

ESB Reform Pathway	Resource Adequacy Mechanism
Status	Final Rule Determination
Key Date(s)	Go-live October 2023
Likely impacted stakeholders	Scheduled Generators
Industry testing anticipated	Industry Testing (scope TBC) in same timeframe as FFR

Objective

Establishing the reporting of a unit's status through reason codes via MT PASA. Establishing the reporting of recall times via MT PASA when triggered through a reason code

Value / Benefit

- Standardised information around when generators are available to supply, and the lead time required for recall from an outage may support:
 - AEMO to effectively plan and operate the system.
 - The AER in assessing compliance under the current notice of closure arrangements.
 - Participants to coordinate maintenance schedules.
 - Investors to assess opportunities for replacement plant

Project Scope

- Consultation on design and definition of reason codes and recall times within AEMO's MT PASA framework
- Updates to other relevant AEMO guidelines and processes to streamline the collection of generator availability information where practical
- Consultation and drafting of amendments to key processes and supporting documentation including for example Reliability Standard Implementation Guidelines (RSIG), MT PASA Process Description
- Amendments to AEMO's MT PASA systems, models and reports (e.g. Participant Markets Portal)

Relevant links

<https://www.aemc.gov.au/rule-changes/enhancing-information-generator-availability-mt-pasa>

<https://www.aemo.com.au/consultations/current-and-closed-consultations/2022-reliability-forecasting-guidelines-and-methodology>

MT PASA– Technical approach

- In addition to the functional scope of the MT PASA initiative to provide more granular information – AEMO will also introduce the capability to utilise API interfaces for the delivery of Mt Pasa offers
- API interfaces are considered the long term architectural direction for Participant data exchange
- Current interface is via Batch FTP file
- AEMO would like to understand the feasibility of participants migrating their MT PASA interfaces to utilise API capability in line with the 9 October rule commencement
- In particular:
 - Timeframes required for transition to API delivery
 - Technical information needed for assessment
 - Key issues impacting a participant decision to progress API development and implementation
- Feedback is requested to the NEM2025@aemo.com.au mailbox, for review at January Implementation forum

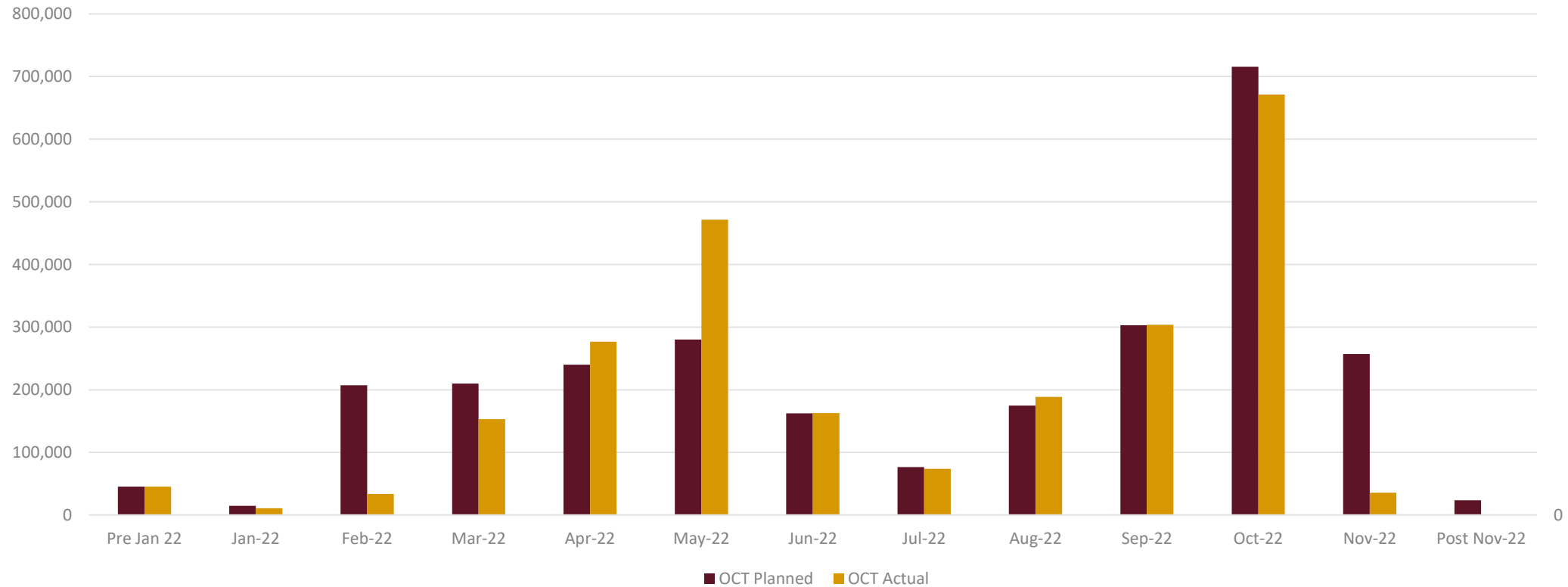
Tranche 2 5MS metering Deployment

Paul Lyttle



5-minute Meter Rollout Plans

Consolidated 5 Minute Rollout Plans as at 31 October



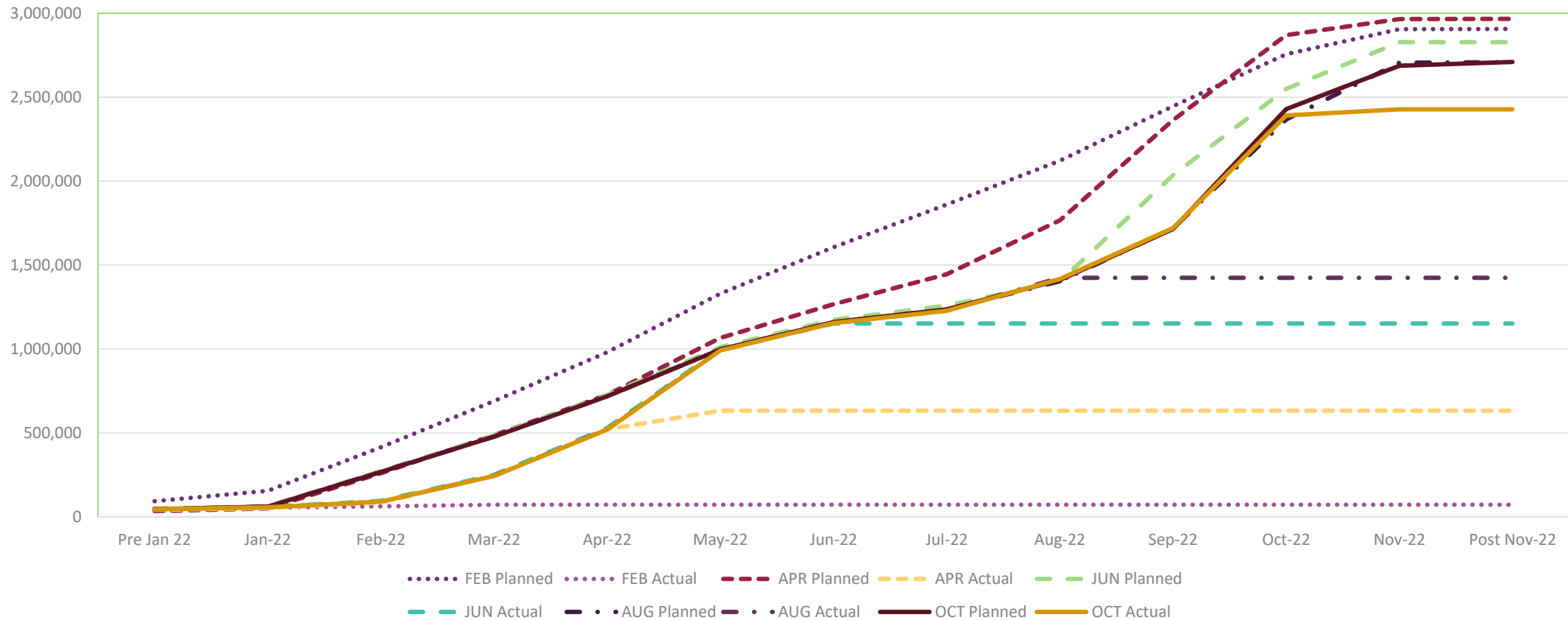
Comparison roll out plans for October 2022

The plans include 256,980 planned to be completed in November.

Participant reported 23,750 meters would not be updated by the required 1 December 2022 due date.

5-minute Meter Conversions by Rollout Plans

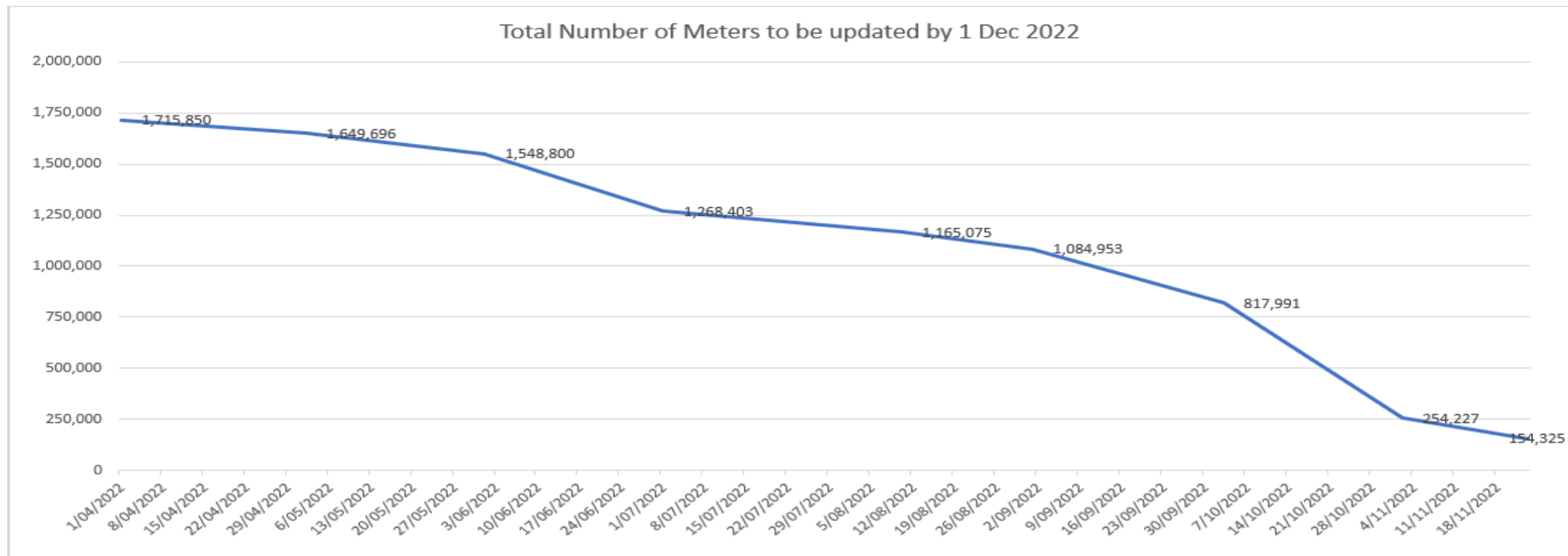
Cumulative Plan updates as at 31 October



Comparison of consolidated plans for each reporting period
 Approximately 2,427,000 meters have ben updated at the end of the October reporting period.

5 minute meter roll out – 1 week left

The following figures have been extracted directly from MSATS during the monitoring of the 5 minute roll out. The latest values were extracted on 23/11/2022, 1 week prior to Rule requirement.



Some businesses have been in contact with AEMO and the AER advising that they will not be able to meet the 1 December 2022 date, discussions are currently in progress

Industry Risks and Issues Review – November 2022

Greg Minney



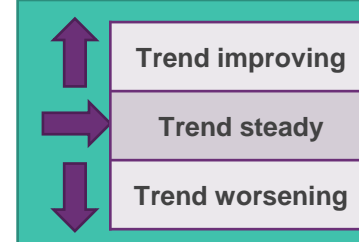
Update and Include IESS?



Approach to the risk review

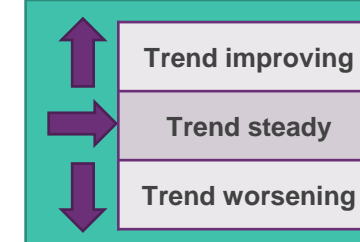
- Industry risks and issues are being consolidated with the PCF registers where appropriate
- Review of trends and Risk ratings against key Industry risk and verification of mitigation strategies with November emphasis
- Risks taken as read in review
- Re-rating of November risks for Participant review
- Implementation Forum Members to provide any additional feedback on risks to GSMSDR@aemo.com.au

November Industry Risks



ID	Description	Inherent Rating	Controls/Comments	Residual Rating	
R4	<p><u>Risk of AEMO cutover failure</u> There is a risk that AEMO systems will not go-live as scheduled with the planned cutover window resulting in an impact to participants' processes and market operations</p>	<p>Likelihood: Possible Consequence: Major Rating: Significant</p>	<ul style="list-style-type: none"> No Standing data conversion required at cutover reduces impact Cutover Planning to provide expected timings and manage impacts on production operations Industry Go-Live Plans to be developed to establish production operation timings and review post execution Deployment and Blind Script updates successfully performed. Last cutover step is configuration of BUT 	<p>Likelihood: Unlikely Consequence: Minor Rating: Low</p>	
R8	<p>Late changes to the schema or procedural documents may result in rework and put regulatory timeline at risk</p>	<p>Likelihood: Unlikely Consequence: Moderate Rating: Medium</p>	<ul style="list-style-type: none"> R42 schema has undergone extensive consultation through the ASWG and an open industry consultation. It is not expected that there will be additional changes post the final version being issued for the May release Procedure consultations took place in 2019 and a consolidation process is due for completion on 31-Jan-21 MSDR focus group has considered compliance windows in association with procedural requirements No issues to date identified from Testing Risk to be closed 	<p>Likelihood: Unlikely Consequence: Minor Rating: Low</p>	

November Industry Risks



ID	Description	Inherent Rating	Controls/Comments	Residual Rating	
R12	<p><u>Market Update Volumes in 2022/ 1st Half 2023 impact participant processing capacity</u> Volume of market updates for Tranche 2 meters, RTC updates, Net to Register CR updates, MSDR standing data updates combined with lack of visibility to consolidated timings for each activity may result in participant inabilities to support total volume of change</p>	<p>Likelihood: Possible Consequence: Major Rating: Significant</p>	<ul style="list-style-type: none"> 24/11 tranche 2 rollout almost complete, SIPF updates performed, Data transition plans in place for next tranche of MSDR updates 25/10 Industry managed voluntary cap for BUT volumes when the additional BUT attributes become available. Consolidated Tranche 2 rollout plans are being circulated with rollout / update scheduled to complete by December 2022 ... Consolidated 5 Minute RTC Volumes are shifting out towards the end of the year. Sept 630,00, Oct 516,000, Nov 277,000 respective updates Data transition (via BUT) for MSDR fields will occur post Nov 7 release with timings by participant being developed MSDR Focus group to co-ordinate development of participant data transition timings / plan to establish timings Procedures support phased transition through 2023 (2025 for GPS Co-ordinates) for data population activities Consideration to limit BUT tool usage to 12-18 months to limit participant necessity to continue C1 / snapshot reports 	<p>Likelihood: Possible Consequence: Medium Rating: Medium</p>	
R40	<p>Not all participants have access to aseXML Enumerations via Market Net</p>	<p>Likelihood: Unlikely Consequence: Minor Rating: Low</p>	<ul style="list-style-type: none"> 24/11 Enumerations to be available in the C1 reports in the May 2023 release This has been raised with the ERCF who are responsible for publishing the enumeration lists. Will monitor outcome from ERCF 	<p>Likelihood: Unlikely Consequence: Minor Rating: Low</p>	

Forward Planning & Other Business

Greg Minney



Other Business

- Next Implementation Forum to be scheduled for January
 - Will transition to NEM 2025 / NEM Reform engagement structure
 - Current membership list is retained , please advise if you no longer wish to receive material and forum invites – please request removal via NEM2025@aemo.com.au

Upcoming Engagements

For enquiries about the NEM2025 program more broadly:
NEM2025@aemo.com.au

November						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

January						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

Legend	
Coordination forums	
	NEM2025 Program Consultative Forum
	NEM2025 Executive Forum (Q1/Q2 2023)
	Reform Delivery Committee
	Reform Delivery Committee - Collab W.
	Implementation Forum
	Electricity Wholesale Consultative Forum
	Electricity Retail Consultative Forum
Initiative specific meetings/consult's	
	IESS Working Group - last meeting
	MT PASA
	Frequency Performance Payments
	Constraints Formulation Guidelines consultation
	Fast Frequency Response (TBC)
Other	
	National Public Holiday
	State/Territory Public Holiday
	AEMO Offices Christmas Shutdown
	Metering Industry Briefing

Questions

