



5MS & GS Systems Working Group #18

21 January 2020

Agenda

No	Time (AEDT)	Agenda item	Presenter
1	10:00 – 10:10	Welcome, introduction and apologies	Graeme Windley
2	10:10 – 10:20	Actions update	Graeme Windley
3	10:20 – 10:25	Retail stream update	Jim Agelopoulos
4	10:25 – 10:40	aseXML schema update	Paul Lyttle
5	10:40 – 10:45	Dispatch stream update	Ian Devaney
6	10:45 – 10:55	Dispatch Tech Spec	Tom Butterworth
7	10:55 – 11:05	Data model for Dispatch & Settlements	Tom Butterworth
8	11:05 – 11:10	Settlements stream update	Mark Hillaby
9	11:10 – 11:15	Prudentials & Estimation Final Tech Spec	Pierre Fromager
10	11:15 – 11:20	Staging environment	Graeme Windley
11	11:20 – 11:25	ITWG update	Tui Grant
Break 11:25 – 11:35			
12	11:35 – 12:05	Risks discussion	Anne-Marie McCague
13	12:05 – 12:10	Readiness Working Group update	Greg Minney
14	12:10 – 12:15	Reallocations plans	Greg Minney
15	12:15 – 12:20	Metering Transition plan	Greg Minney
16	12:20 – 12:25	Procedures update	Emily Brodie
17	12:25 – 12:30	Forward meeting plan	Graeme Windley

Open actions

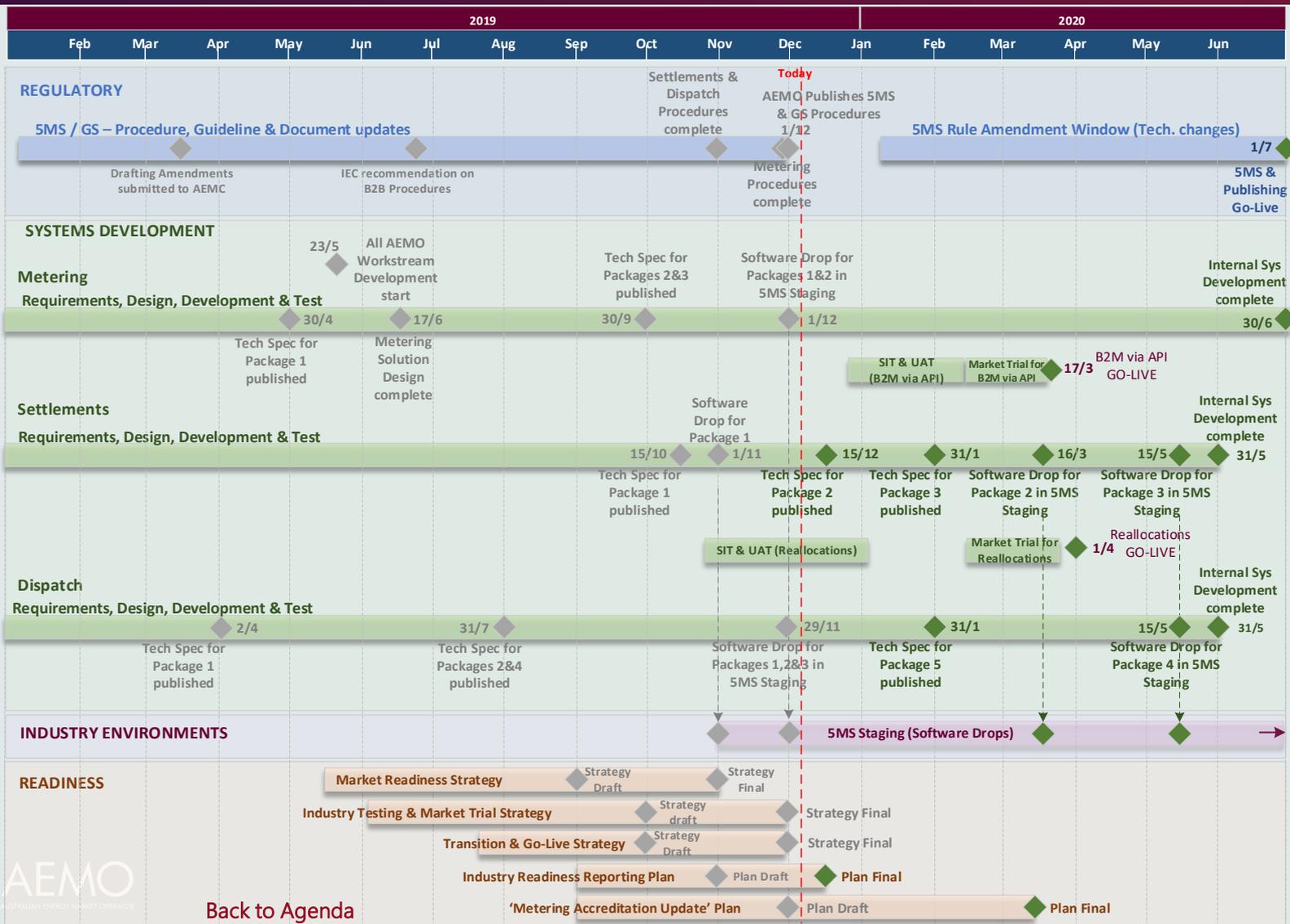
Item	Action required	Responsible	Action update	By
1.6	AEMO to provide assessment on bandwidth/networking impacts.	AEMO	No identified impact Design completed and AEMO has not identified any impacts. To be confirmed as part of Performance Testing.	Aug 2020
16.05.01	Feedback required by 2 weeks from Participants on MSATS 46.96 Participant role field change impact	SWG Participants	Feedback to be advised during meeting, then action closed.	SWG #18
16.10.01	Request feedback within 2 weeks from Participants on Dispatch Packages 1, 2, & 3 content	SWG Participants	Feedback to be advised during meeting, then action closed.	SWG #18

Level 1 and 2 Milestones – timeline

Graeme Windley

Level 1 and External Level 2 Milestones

Current as at 06 Dec 2019



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Retail stream update

Jim Agelopoulos

Systems Workstream - Metering

Current as at 13 Jan 2020

5 MINUTE SETTLEMENT SYSTEMS TRACKING	TIMING									
	Internal HLIA	Focus/Group	SWG Engagement	External HLIA	Draft Tech Spec	Final Tech Spec	User Guides	5MS Staging	Preprod	Production
METERING										
PACKAGE 1 - Metering Data & Metrology										
MDFF • MDFF Specification NEM12 NEM13 v20	Aug-18	Oct-18	Oct-18	Nov-18	Jan-19	Apr-19	-	1 Dec 19	Sep-20	Nov-20
PACKAGE 2 - MSATS & SLPs										
Transition • MSATS Technical Specification	Aug-18	Sep-18	Aug-18	Nov-18	31-May-19	30-Sep-19	-	-	-	-
Meter Data - MDFF and MDMF • MDM File Format and Load Process (User Guide) • MSATS Technical Specification	Aug-18	Oct-18	Sep-18	Nov-18	31-May-19	30-Sep-19	-	1 Dec 19	Sep-20	Nov-20
PACKAGE 3 - Miscellaneous										
B2M via API • MSATS Release Schedule & Technical Specification	Oct-18	-	Apr-19	9-May-19	31-May-19	30-Sep-19	17/02/2020 (TBC)	N/A	17/02/2020 (TBA)	17/03/2020 (TBA)
MSATS Browser (LVI) changes • MSATS Technical Specification	Aug-18	-	May-19	9-May-19	28-Jun-19	30-Sep-19	31-Jul-20	31-Jul-20	Sep-20	Nov-20
MSATS Report changes • MSATS Procedures MDM Procedure • MDM File Format and Load Process (User Guide) • MSATS Technical Specification General Process & Document Clean-up	Oct-18	-	Apr-19	Apr-19	28-Jun-19	30-Sep-19	-	31-Jul-20	Sep-20	Nov-20

Systems Workstream - Metering

Current as at 13 Jan 2020

Key Milestones (Program)						
x	Milestone	Description	Target Date	Expected Date	Status	Comments
L2-M1	AEMO internal metering solution – solution design complete (internal)	Solution Design phase for new AEMO Meter Data Management (MDM) and Profiling Allocation Engine (PAE) complete.	31-May-2019	17-Jun-2019	Complete	
L2-M2	Final technical specifications for Package 1 published by AEMO	Technical Specification for changes to MDFF NEM12 NEM13 as a result of 5MS and GS available to Participants.	30-Jun-2019	30-Apr-2019	Complete	
L2-M3	Final technical specifications for Package 2 published by AEMO	Technical Specification for changes to Transition, Meter Data Load – MDFF as a result of 5MS and GS available to Participants.	30-Sep-2019	30-Sep-2019	Complete	
L2-M4	Final technical specifications for Package 3 published by AEMO	Technical Specification for introduction of B2M via API as well as changes to the MSATS Browser (LVI) and MSATS Report changes as a result of 5MS and GS available to Participants.	30-Sep-2019	30-Sep-2019	Complete	
L2-M5	Software drop for Packages 1 & 2 in 5MS Staging Environment	Software deployed into the 5MS Staging environment for Meter Data Load – MDFF available for Participant testing.	01-Dec-2019	01-Dec-2019	Complete	
L2-M6	Agreement on requirements for accreditation & Market Trial	Program agreement of the Accreditation requirements and process, and on market testing requirements and process.	31-Mar-2020	[31-Mar-2020]		Aligned with the MSP Accreditation Plan document
L2-M14	B2M via API Go-Live	Software deployed into MSATS Production environment that supports B2M API for CATS, NMID and MDMT transactions.	17-Mar-2020	17-Mar-2020 TBD		At Risk – Refer to Milestone Exception slide
L2-M7	AEMO internal metering solution – build complete (internal)	Build phase for new AEMO Meter Data Management (MDM) and Profiling Allocation Engine (PAE) complete	30-Jun-2020	30-Jun-2020		On Track
L2-M8	Software drop for Package 3 in 5MS Staging Environment	Software deployed into the 5MS Staging environment for B2M via API, MSATS Browser (LVI) and MSATS Report enhancements and available for Participant testing.	31-Jul-2020	31-Jul-2020		On Track
L2-M9	AEMO internal metering solution – go live complete (internal)	Go Live date for new AEMO Meter Data Management (MDM) and Profiling Allocation Engine (PAE) complete	31-Oct-2020	[31-Oct-2020]		On Track
L2-M10	New MDFF format accepted by AEMO	AEMO deploys MDFF capable software to PROD, and all Market Participants can begin submitting files in the new MDFF format.	01-Nov-2020	[01-Nov-2020]		Dependent upon readiness strategy
L2-M11	Market Trial preparation completed by Participants	All Market Participants who are required to submit five-minute meter reads are ready for market trials	30-Nov-2020	[30-Nov-2020]		Content and timing of Market Trials TBD
L2-M12	Market Trial preparation completed by AEMO	AEMO has deployed all relevant software to the 5MS pre-Production environment and is ready to deliver the agreed Market Trial scenarios	30-Nov-2020	[30-Nov-2020]		Content and timing of Market Trials TBD
L2-M13	Market Trials conclude	All relevant Market Participants have completed Market Trials to submit five-minute read data.	31-May-2021	[31-May-2021]		Content and timing of Market Trials TBD

Systems Workstream - Metering

Current as at 13 Jan 2020

ID	Stream	Milestone	Planned Date	Expected Date	%	Comments
New L2-M14	Metering	B2M via API Go Live	17-Mar-20	17-Mar-20 TBD	70%	<p>AEMO has experienced delays establishing the MarketNet link to AEMO's new API Gateway in conjunction with the legacy SMP e-Hub API Gateway. The 17th of March Go-Live is now almost certain not to be achieved. An update with a new target will be presented to and discussed at the PCF on 4 February 2020.</p> <p>Request Participants impacted by a delay to this date to contact the 5MS Program via the mailbox to set up a discussion.</p>

aseXML schema update

Paul Lyttle

aseXML schema update

The following aseXML schema updates for 5MS have been identified

- Inclusion of new RM Reports to support 5MS and GS
- Update “Last Sequence Number” field to optional
- Addition of X of Y messages when multiple message responses are sent
- Addition of a Second TNI (TNI2) code to support Cross Boundary NMIs
- Addition of details where NMI Data Streams reads have Multi Use e.g. Vic TUoS

New RM Reports

A number of new RM reports are planned to support 5MS and GS.

These reports include:

- RM37 – High Priority Missing Data
 - Related to missing data for Transmission connected NMI
- RM38 – Datastream Missing Data
 - Identifies where reads have not been delivered for Net ('Nx') NMI data streams
- RM39 – Mismatch Data
 - Identifies where reads have been received for NMIs or Datastreams that are not registered in the Standing data set
- RM43 – UFE Factor by Local Area
 - Identifies the UFE factor which can be used to calculate the UFE value for NMIs within each Local Area
- RM46 – UFE Validation
 - Provides details to validate calculation of Local Area UFE and UFE factors

Impacts

- Release of report logic to MDM may not be available at MDM go live
 - A separate schedule will be provided advising of when each report will be introduced into production
- Remaining on existing schema (Superseded)
 - Participants will be unable to Request or Receive new report types

Last Sequence Number

To enable the sending of all report results for each RM report request, the Last Sequence Number will no longer be required

- Last Sequence Number field will be set to Optional
 - This allows for backwards schema compatibility

Impacts

- Population of Last Sequence Number will not be used for report generation
 - AEMO recommends that the Last Sequence Number be set to 0 is sent
- Each RM report request sent will receive all reporting results
 - AEMO recommends for Participants to remove any automation that requests multiple reports
- Remaining on existing schema (Superseded)
 - Participants will need to populate the Last Sequence number field to be schema valid.

Addition of x of y messages

With the delivery of multiple files to support RM report responses, multiple response messages will include the x of y information.

- When multiple response files are sent to a Participant, the x of y information will be provided
 - If 3 response files are created the x of y will be:
 - 1 of 3, 2 of 3, 3 of 3

Impacts

- Participants will be able to identify if any response files are missing
 - If a file is missing, a new request can be raised which will provide a full set of results
- Remaining on existing schema (Superseded)
 - Participants will need to identify if all files have been received by the Seq No within each file.

Second TNI code

To remove the need to create two NMIs for a cross boundary connection point, a second TNI code will be included into NMI standing data

- The Second TNI (TNI2) will only be populated for cross boundary connection point
 - AEMO will populate the TNI2 value when the NSP2 value is added

Impacts

- Participants will be able to identify the TNI2 code for NMIs
 - Participants will be able to identify the energy flow for the Transmission connection
- Remaining on existing schema (Superseded)
 - Participants will not receive the TNI2 data in any responses
 - TNI2 values will be available via the MSATS Browser

Multi Use NMIs

The use of MDFF reads for settlements data stream suffices the need to have the NMI data stream type updated.

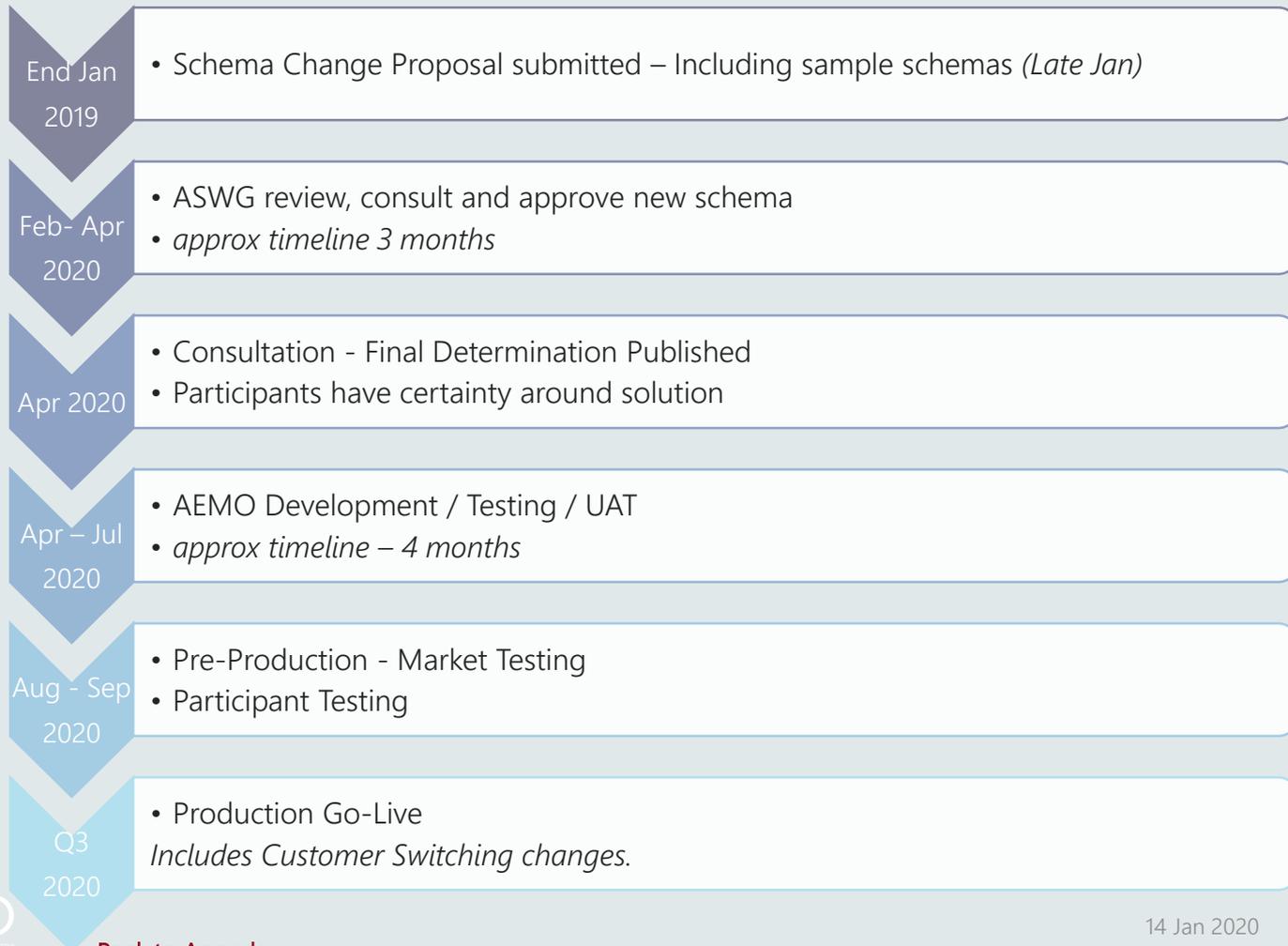
- AEMO are currently investigating the impacts relating the Vic TUoS NMI investigate with the key MDP

Impacts

- A decision will be made on the requirement to include additional details for multi use NMIs

aseXML Schema Changes – Schedule

Current Proposed schedule (updated) – **[Note: All dates are TBC]**



Dispatch stream update

Ian Devaney

Systems Workstream – Dispatch & Operations

Current as at 13 Jan 2020

5 MINUTE SETTLEMENT SYSTEMS TRACKING	TIMING									
	Internal HLIA	Focus/Group	SWG Engagement	External HLIA	Draft Tech Spec	Final Tech Spec	User Guides	SMS Staging	Preprod	Production
DISPATCH and OPERATIONS										
PACKAGE 1 - Bidding FTP and API										
Transition	Aug-18	Oct-18	Aug-18	Nov-18	Dec-18	2-Apr-19	31-Oct-19	29-Nov-19	Nov-20	Mar-21
Bidding Data Model	Aug-18	-	Sep-18	Mar-19	Dec-18	2-Apr-19	31-Oct-19	29-Nov-19	Nov-20	Mar-21
Bidding Format	Aug-18	-	Sep-18	Nov-18	Dec-18	2-Apr-19	31-Oct-19	29-Nov-19	Nov-20	Mar-21
PACKAGE 2 - Bidding Web UI										
Bidding Web UI and APIs	Aug-18	Nov-18	Dec-18	Jan-19	Mar-19	31-Jul-19	16-Dec-19	29-Nov-19	Nov-20	Mar-21
PACKAGE 3 - Dispatch, Pre-dispatch and PASA										
Dispatch	Aug-18	-	Oct-18	Nov-18	Oct-18	2-Apr-19	-	29-Nov-19	Nov-20	Mar-21
Predispatch P30/7DAY	Aug-18	-	Oct-18	Nov-18	Oct-18	2-Apr-19	-	29-Nov-19	Nov-20	Mar-21
Predispatch P5	Nov-18	Oct-18	Nov-18	TBC	TBC	TBC	-	TBC	Nov-20	May-21
ST and PD PASA	Aug-18	-	Oct-18	Nov-18	Oct-18	2-Apr-19	31-Oct-19	29-Nov-19	Nov-20	Mar-21
PACKAGE 4 - Pricing and Miscellaneous										
Trading Price / Price Revision	Aug-18	-	Feb-19	Nov-18	Mar-19	31-Jul-19	-	15-May-20	Nov-20	May-21
Administered Pricing and CPT	Aug-18	-	Feb-19	Dec-18	Mar-19	31-Jul-19	-	15-May-20	Nov-20	May-21
Suspension Pricing	Sep-18	-	Feb-19	Dec-18	Mar-19	31-Jul-19	-	15-May-20	Nov-20	May-21
Negative Residue Management	Sep-18	-	Feb-19	Dec-18	Jun-19	31-Jul-19	-	15-May-20	Nov-20	May-21
RERT	Oct-18	-	-	-	-	-	-	-	-	-
PACKAGE 5 - Full Data Model										
Full Data Model	Sep-18	Ongoing	Ongoing	Apr-19	Ongoing	31-Jan-20	16 Mar 20	29-Nov-19	Nov-20	May-21

Level 2 Milestones - Dispatch

Current as at 13 Jan 2020

Key Milestones (Program)						
ID	Milestone	Description	Target Date	Expected Date	Status	Comments
L2-D1	Final technical specifications for Package 1 published by AEMO	Technical Specification for changes to Dispatch, Pre-dispatch P30/7DAY, ST PASA, Bidding Data Model and Bidding Format as a result of 5MS and GS available to Participants.	2-Apr-2019	2-Apr-2019	Complete	
L2-D2	Final technical specifications for Package 2 published by AEMO	Technical Specification for changes to the Bidding Web UI and APIs as a result of 5MS and GS available to Participants.	31-Jul-2019	31-Jul-2019	Complete	
L2-D3	Software drop for Packages 1,2 & 3 in 5MS Staging Environment	Software deployed into the 5MS Staging environment for Dispatch, Predispach P30/7DAY, ST PASA, Bidding Data Model and Bidding Format, Bidding Web UI and APIs and Predispach P5.	29-Nov-2019	29-Nov-2019	Complete	
L2-D4	Development completed (internal)	Software deployed into the 5MS Staging environment for RERT, Trading Price / Price Revision, Administrated Pricing and CPT, Suspension Pricing, Negative Residue Management, data model for Dispatch	31-May-2020	31-May-2020	[Firm]	
L2-D5	Software drop for Package 4 in 5MS Staging Environment	All AEMO internal development work has completed for the Dispatch stream	15-May-2020	15-May-2020	[Firm]	
L2-D6	UAT completed (internal)	All AEMO internal UAT has completed for the Dispatch stream	30-Nov-2020	30-Nov-2020	[Firm]	
L2-D7	Market Trial preparation completed by Participants	All Market Participants who are required to submit 5MS bids and offers are ready for market trials	30-Nov-2020	[30-Nov-2020]	Provisional	Content and timing of Market Trials TBD
L2-D8	Market Trial preparation completed by AEMO	AEMO has software deployed to pre-production environment and is ready to deliver the agreed Market Trail scenarios	30-Nov-2020	[30-Nov-2020]	Provisional	Content and timing of Market Trials TBD
L2-D9	5-min bidding phased go live begins	Participants can begin submitting 5-min bids to the market	01-Apr-2021	[01-Apr-2021]	Provisional	
L2-D10	Market Trial concludes	Market Trial scenarios related to dispatch have been completed	31-May-2021	[31-May-2021]	Provisional	Content and timing of Market Trials TBD
L2-D11	30-min bidding no longer accepted by AEMO	All Wholesale Market Participants now submitting five-minute bids and offers to AEMO	01-Jul-2021	01-Jul-2021	Mandatory	
L2-D12	Final technical specifications for Package 4 published by AEMO	Technical Specification for changes to Pricing (and Miscellaneous) as a result of 5MS and GS available to Participants.	31-Jul-2019	31-Jul-2019	Complete	
L2-D13	Final technical specifications for Package 5 published by AEMO	Technical Specification for changes to the full data model as a result of 5MS and GS available to Participants.	31-Jan-2020	31-Jan-2020*	[Firm]	

Dispatch Tech Spec

Deborah Armenante

Dispatch Tech Spec – Version 2.01

1. Removal of the proposed timeline. The Readiness Working Group (RWG) will confirm delivery dates
2. Added Related rules and procedures on page 8
3. Addition of the FTP address for the staging environment, see FTP Interfaces on page 14
4. Addition of the staging environment URL for the Energy and FCAS Bids web interface, see EMMS Markets Portal on page 18
5. Added the API gateway addresses for MarketNet and internet, and the e-Hub portal address, see APIs on page 19
6. Information about increased data volumes in the Bids tables, see Electricity Data Model 5.00 on page 45
7. Further detail for Data Model discontinued reports, see Discontinued reports on page 67
8. A link to information about the 5MS staging environment, see References on page 71
9. RampUpRate in JSON Bidding schema changed to RampRateUp, see Appendix – Bidding JSON Format on page 76
10. Changes to Participant interface changes on page 62
11. Changes to Discontinued reports on page 67
12. RampDownRate in JSON Bidding schema changed to RampRateDown, see Appendix – Bidding JSON Format on page 76

Dispatch Tech Spec – Version 2.01

Package	Table	Field	Change
BIDS	BIDDAYOFFER MNSP_DAYOFFER	REBID_EVENT_TIME	Confirmed as VARCHAR2(8)
		REBID_AWARE_TIME	Confirmed as VARCHAR2(8)
		REBID_DECISION_TIME	Confirmed as VARCHAR2(8)
	BIDOFFERFILETRK	SUBMISSION_DATE	Changed to SUBMISSION_TIMESTAMP
	BIDOFFERPERIOD	OFFERDATE	Changed to OFFERDATETIME
	MNSP_BIDOFFERPERIOD	OFFERDATE	Changed to OFFERDATETIME
DISPATCH	DISPATCHLOAD	PERIODID	Removed
	DISPATCHREGIONSUM		There are no changes to the DISPATCH package for this Release
FORCE_MAJEURE	REGIONAPCINTERVALS		Only the comment changes to reflect the change of trading price from a 30-minute to a 5-minute resolution There are no other changes to the FORCE MAJEURE package

Dispatch Tech Spec – Current Published Version

1. In Energy, FCAS, and MNSP bidding on page 9 the following bullet point changes to add more clarity:
 1. In the current csv format, to indicate no value for optional fields, they are left blank.
 2. In the JSON format, to indicate no value for optional fields, you must remove the entire attribute.
2. For the Energy and FCAS eventTime field an invalid value results in AEMO rejecting the submission.
3. eventTime changes to type: string.
4. submissionTimestamp changes to type: string
5. The FCAS property EnablementMin for APIs changes from optional to mandatory.
6. The tradingDate type in the Bidding Schema changes from Date to String.
7. The type: number changes to type: integer.
8. For APIs, added Rebid explanation on page 85.

Dispatch Tech Spec – Current Published Version

Table	Change
AVERAGEPRICE30	<p>The following fields are added:</p> <ol style="list-style-type: none"> 1. PRICE_CONFIDENCE 2. PERIODID (for discussion) <p>The following fields are removed:</p> <ol style="list-style-type: none"> 1. RUNNO 2. ROP 3. EEP 4. RAISE6SECROP 5. RAISE60SECROP 6. RAISE5MINROP 7. RAISEREGROP 8. LOWER6SECROP 9. LOWER60SECROP 10. LOWER5MINROP 11. LOWERREGROP 12. RAISE6SECRRP 13. RAISE60SECRRP 14. RAISE5MINRRP 15. RAISEREGRRP 16. LOWER6SECRRP 17. LOWER60SECRRP 18. LOWER5MINRRP 19. LOWERREGRRP

Data model for Dispatch Version 5.0

Tom Butterworth

Data model for Dispatch

At the last SWG AEMO (Dispatch) sought feedback from Participants regarding the following:

1. The 5MS rule change (3.13.4 (I1)) requires AEMO to publish “In addition to the spot price, a 30-minute price for a regional reference node”.
 - a. Two responses requested FCAS prices. AEMO still cannot understand the benefit of this as the FCAS market has always been defined as a 5-minute market. AEMO will only publish Energy prices
2. Submissions will be limited (“throttled”) to one per second, to ensure primary key integrity (currently only unique to the nearest second).
 - a. For Oracle databases, the bidding OfferDate field uses the ‘Date’ data type. Changing this to a ‘Timestamp’ datatype would alleviate the restriction (although ‘throttling’ would still be in place to prevent ‘flooding’).
3. The PeriodID not required for tables ‘DispatchLoad’ and ‘DispatchRegionSum’.
 1. The existing DispatchInterval fields define PeriodId in the format yyymmddppp for Trading Dates – remember these are Trading date tables.

Data model for Dispatch

To enable more than one submission per second the new fields BidOfferPeriod.OfferDateTime and MNSP_BidOfferPeriod.OfferDateTime are data type 'TIMESTAMP'

For this to be effective we must also change the OfferDate fields from 'DATE' to 'TIMESTAMP' in the existing tables:

- BidOfferFileTrk
- BidDayOffer
- MNSP_DayOffer

This change will apply to existing tables. Participants must be aware of this and manage their Bids transition from 30-minute to 5-minute.

Settlements stream update

Mark Hillaby

Systems Workstream - Settlements

Current as at 13 Jan 2020

5 MINUTE SETTLEMENT SYSTEMS TRACKING	TIMING									
	Internal HLIA	Focus/Group	SWG Engagement	External HLIA	Draft Tech Spec	Final Tech Spec	User Guides	SMS Staging	Preprod	Production
SETTLEMENTS										
PACKAGE 1 - Reallocations										
Reallocations	Dec-18	Nov-18	Dec-18	Mar-19	31-Jul-19	15 Oct 19	1-Nov-19	1-Nov-19	1-Mar-20	1-Apr-20
PACKAGE 2 - Settlements and Billing										
Settlements	Oct-18	Nov-18	Dec-18	Mar-19	30-Aug-19	20 Dec 19	-	16 Mar 20	Nov-20	May-21
Billing	Oct-18	Nov-18	Dec-18	Mar-19	30-Aug-19	20 Dec 19	-	16 Mar 20	Nov-20	May-21
PACKAGE 3 - Prudentials and Estimation										
Prudentials	Sep-18	Nov-18	Dec-18	Mar-19	31-Oct-19	31 Jan 20	15 May 20	15 May 20	Nov-20	May-21
Estimation	Oct-18	Nov-18	Dec-18	Mar-19	31-Oct-19	31 Jan 20	-	15 May 20	Nov-20	May-21
Full Data Model	Refer DISPATCH									

Prudentials Tech Spec

Pierre Fromager

Prudentials Tech Spec

- 'Estimation' was mentioned with Prudentials. However, Metering Estimation (previously called Settlement Estimation) was identified as not impacting on Participants. It is an internal AEMO process, with no impact on Participant interfaces or data model tables. It was therefore removed from the Tech Spec altogether. The changes are limited to code base changes, DB changes and granularity (30 to 5 min) changes – so no material changes.
- Unlike other APIs, the prudential APIs were written firstly for use by the AEMO development team to re-build the functionality for the prudential dashboard. These APIs therefore offer all the information that permits the dashboard to present that information to the users. AEMO then deemed it worthwhile to share these APIs with Participants.
- This is more extensive than what is available through the data model because the latter is limited due to data volume.
- The data model only provides the company position summary. This is not changing so will not be mentioned in the Tech Spec.
- Changes to the dashboards are limited to technology (new APIs, new DBs, some bug fixes and slight UI enhancements, including look and feel).

Staging environment

Graeme Windley

Status of 5MS Staging Environment

- Preparation is underway to prepare for the next set of deliverables to the staging environment in March related to Settlements
- Support calls regarding this environment are minimal and still relate primarily to user password resetting and requests for FTP and API access

Industry Test Working Group update

Tui Grant

Industry Test Working Group update

Participants are in agreement with the proposed testing levels AEMO has proposed for each of the releases scheduled for the 5MS and GS program.

- The first release is B2M API with a handful of Participants volunteering to assist with industry testing. A meeting to prepare a test plan for this release has been planned and will be presented to the ITWG next meeting.
- The second release is reallocations which will be deployed into Staging in March prior to the go live date in April. AEMO have completed SIT and UAT of this release and will release it into staging but will not be performing any coordinated testing with Participants. Any Participant wishing to test prior to the production deployment is welcome to access this release in Pre Prod.

Break (10 mins)

Risks discussion

Anne-Marie McCague

Risks discussion

- Refresh of 5MS Risk and Issue Process:
 - Key and new risks and issues are presented to the PCF monthly
 - Full Risks and Issues Register is reviewed by the PCF quarterly
 - New risks and issues are discussed at Working Groups before they are added to the register
 - Risks and Issues Register is published quarterly (after PCF review) on the 5MS Program website under Program Management > Program Consultative Forum (PCF)
- Aim today: review risks relating to SWG prior to PCF quarterly review 4 Feb
- Summary
 - Currently no open risks raised by SWG
 - 8 risks owned by Systems Workstream or Manager
 - 2 Critical risks and 6 Significant risks (rating without controls)

Readiness Working Group update

Greg Minney

Readiness papers - timelines

Item	RWG/ITWG/FG engagement	Draft paper	Consultation	Comments due	Final paper
Industry test and market trial strategy	Jul-19	30-Sep	4 weeks	28-Oct	29-Nov
Transition and go-live strategy	Jul-19	30-Sep	4 weeks	28-Oct	29-Nov
Metering transition plan	Aug-19 onwards	29-Nov	3 weeks	20-Dec	7-Feb-20
Industry contingency plan	Nov-19	20-Dec	6 weeks	31-Jan-20	13-Mar-20
Industry readiness reporting plan	Sep-19	31-Oct	3 weeks	21-Nov	13-Dec
MSP accreditation update plan	Oct-19	29-Nov	11 weeks	31-Jan-20	21-Feb-20

NOTE: early feedback on documents is welcome

Workstream engagement

- Contingency Planning
 - Draft plan issued on 20th Dec
 - Consultation in progress
 - Utilise existing market contingency approaches where applicable
- Readiness Reporting
 - Approach finalised
 - Initial readiness survey to be distributed end Jan
 - Reporting criteria differentiated by Participant type
- Metering Transition Plan
 - Consultation completed 20th December
 - Feedback from 7 Participants (MSP,LNSP, Retailer)

Reallocations plans

Greg Minney

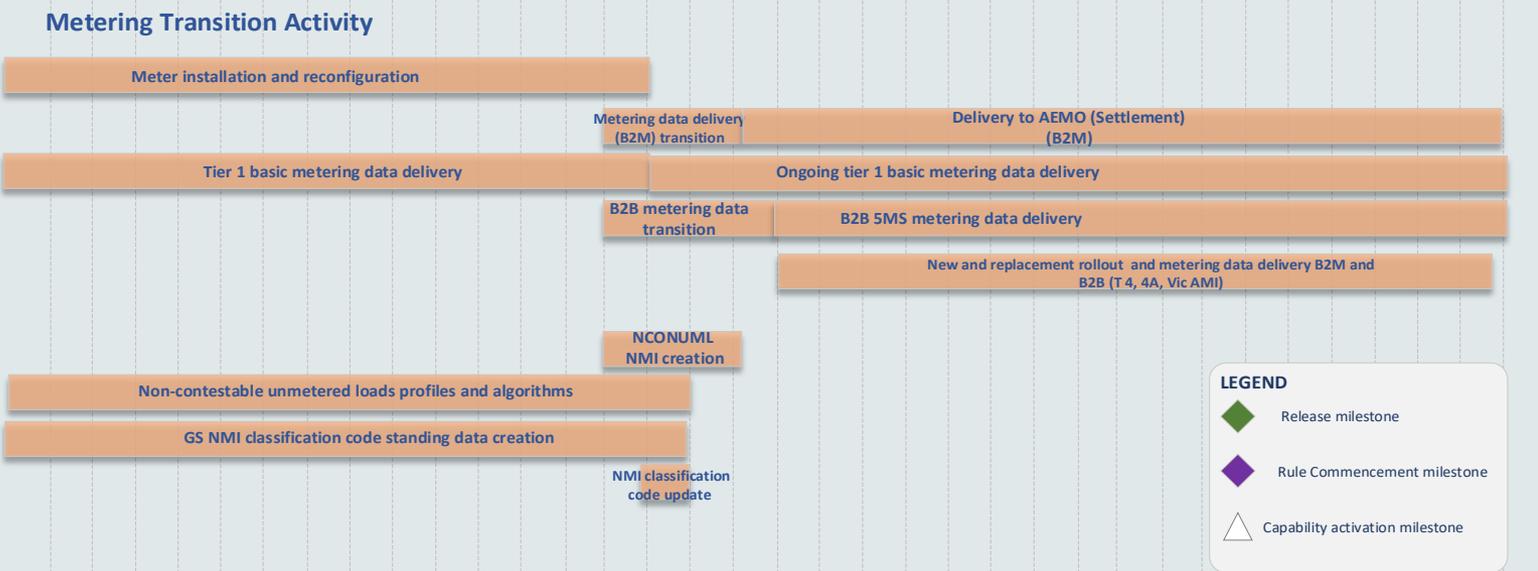
Reallocations plans

- On track for implementation 1 April
 - Industry test availability from 1 March
- Release involves the introduction of new (additional) capability to current market systems
- Integrated cutover plans **not** required
 - No existing Participant interfaces require update at cutover
 - No data conversion to be performed at cutover
- AEMO will
 - Deploy the capability into production once testing and assurance successfully completed
 - Confirm successful deployment of capability and production availability
- Participants can deploy in-line with their own program delivery
 - Participant deployment of capability is optional and occurs after AEMO systems have been deployed
 - As usual, the pre-prod environment will be available for Participant testing once the releases are in production

Metering Transition plan

Greg Minney

Metering Transition - draft



LEGEND

- ◆ Release milestone
- ◆ Rule Commencement milestone
- △ Capability activation milestone

Metering Transition plan

- Draft circulated 29 November 2019, comments received 20 December
- The MTP “Categories” are
 - Meter installation and reconfiguration
 - Metering data delivery (B2M & B2B)
 - MSATS standing data creation and maintenance
 - MSP accreditation updates
- Responsibilities and expected timeframes for metering activities to support transition to 5MS and GS
- Key areas for consideration from feedback
 - Participant rollout plan visibility and associated volume impacts
 - Timing and agreement on 5 minute delivery (B2B)
 - Transition activity timeframes (start and finish)

5MS/GS procedures update

Emily Brodie

Metering procedures update

- Metering package #3 published Mon 18th November 
- ERCF
 - Meeting currently quarterly; then every two months in 2020
 - Met on 21 November
 - 5MS/GS ICFs: RWD5; customer details on inventory table
 - <https://aemo.com.au/Stakeholder-Consultation/Industry-forums-and-working-groups/Retail-meetings/Electricity-Retail-Consultative-Forum>
- B2B
 - Meets monthly (IEC meets quarterly)
 - Met on Fri 29 November
 - Release v3.4 of B2B procedures commenced consultation. Considers:
 - MDFF file size 10MB
 - MDFF 1,000 transaction limit in file
 - non-contestable unmetered loads – use of existing B2B transactions for this family of NMI
 - <https://aemo.com.au/Stakeholder-Consultation/Industry-forums-and-working-groups/Retail-meetings/B2B-Working-Group>

5MS/GS-related procedure issues

Procedure issue	Status
Proposed Procedural Change to MDFF Quality flag	AEMO is preparing an ICF for ERCF consideration
Proposal for RWD5	ICF considered at ERCF (21 Nov), to be progressed in 2020 with consideration of 5MS/GS metering transition activities
Sampling and verification processes	ICF submitted with accidental reference to 5MS but is unrelated to 5MS
Removal of end user details from inventory table	ICF considered at ERCF (21 Nov), to be progressed in 2020 with consideration of 5MS/GS metering transition activities
TNI 2 for cross-boundary meters	<p>SWG has been briefed on requirements.</p> <p>Procedure change not required, but procedure clarification desirable.</p> <p>AEMO is preparing an ICF for ERCF consideration, with a view to including in Standing data review consultation (Feb to June 2020)</p>

Forward meeting plan

Graeme Windley

Proposed upcoming SWG meeting content

Date	Meeting	Proposed content
Mon 17 Feb 2020	SWG #19	<ul style="list-style-type: none">• Topics tba
Mon 16 Mar 2020	SWG #20	<ul style="list-style-type: none">• Topics tba

Upcoming meetings

<https://aemo.com.au/Electricity/National-Electricity-Market-NEM/Five-Minute-Settlement>

2020

JANUARY

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

FEBRUARY

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

MARCH

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

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

Focus Groups	
Dispatch	Metering
Settlements	Transition
Contingency	Reconciliation

Other
Information Sessions

National Public Holiday
State Public Holiday*

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

Current as at 13 Jan 2020



