



Staging Environment – Release Information Pack

1 November 2019

5MS Staging Environment

What is the Purpose of the 5MS Staging Environment?

- Assist participants building and testing their 5MS-related system changes.
- Provide test environment for participants' 5MS system testing:
 - enable participants to test their interfaces with AEMO, and
 - assist their development by being able to access early versions of screens, reports etc.
- Supports AEMO in assessing product quality before it is released into pre-PROD & Market Trials.

What Functions will be Available in Staging?

- Releases of various functions are scheduled from November 2019 to July 2020.
- Relevant RM reports:
 - Will be provided in 5MS format throughout Q2 & Q3 2020.
 - Participants can request, via the 5MS Mailbox, reports that they would like to receive as early as possible. AEMO will consider what is feasible with respect to internal development constraints.

5MS Staging Environment

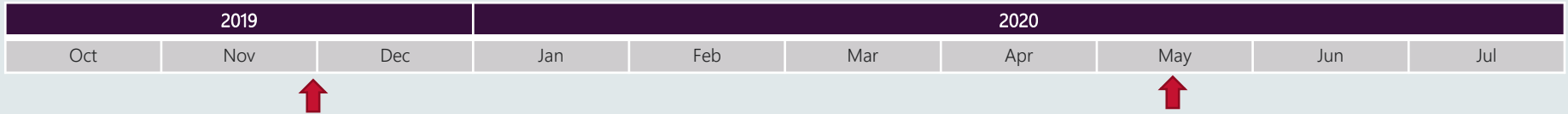
Expectation Setting:

- Staging is *not*
 - A Market Trial environment. There will be no co-ordination of Settlement Runs, Testing, Market Simulations, 7Day Pre-Dispatch, etc.
 - The Market Trial approach and timing will be communicated with the Readiness approach.
 - An end-to-End environment i.e. meter data information submitted won't be reflected in a Settlement Run.
 - A place to deploy functions that are not impacted by 5MS.
- Performance is not guaranteed.
- Issues can be raised, will be triaged and fixes scheduled into AEMO's 5MS development work. There are no SLAs for updating software in Staging.
- Input data (i.e. SCADA, demand forecasts) is likely

Access & Support

- Participants arrange access to Staging by contacting AEMO Support Hub (5MS resolver group has been established in Service Now).
- Participants should log issues via the AEMO Support Hub process too.

5MS Staging Environment - Dispatch



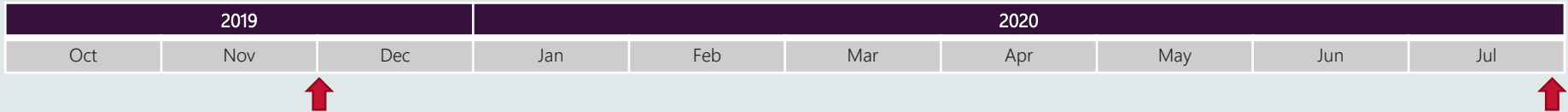
RELEASE D-1 – 29 November 2019*

- Submit 5-Min Bids, via new web interface, API and/or FTP.
- Bidding Data Model changes as per technical specifications released July 2019
- Participants can receive Dispatch, 5-minute Pre-Dispatch & 30-minute Pre-Dispatch data.

RELEASE D-2 – 15 May 2020*

- Trading data model changes
- Administered pricing events
- NEM Display

5MS Staging Environment - Metering



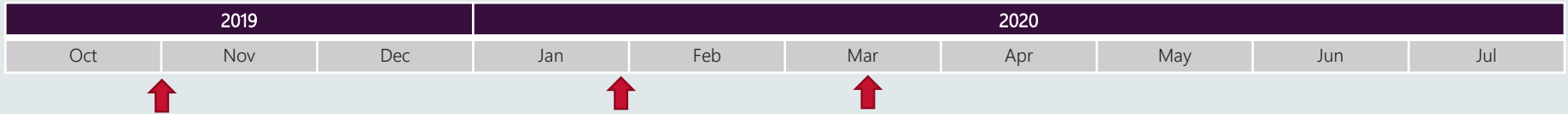
RELEASE M-1 – 1 December 2019*

- Allow MDPs to confirm the connectivity of their test environments with the AEMO 5MS Staging Environment.
- Allow MDPs to confirm that MTRD CSV MDFF created by their systems for Market Settlements are able to pass new AEMO validations (30 min and 5 min).
- Allow MDPs to validate FTP hokey pokey protocol for MTRD exchange with the NEMMCO participant ID.

RELEASE M-2 – 31 July 2020* (note some content will be delivered earlier)

- Meter Data Ingestion of MTRD (NEM13) and MDMT
- Support for API Meter Data Ingestion
- MSATS Browser screens
- B2M CATS, NMID, and MDM transactions and B2B message exchange supported
- RM Reports

5MS Staging Environment – Settlement



RELEASE S-1 – 1 November 2019*

- Reallocations: available at both 30 and 5-min intervals; new Web UI; Calendar selection; Alerts

RELEASE S-2 – 31 January 2020*

- Completed Data Model: New UFE tables, additional UFE columns.

RELEASE S-3 – 16 March 2020* (note tracking ahead of schedule)

- Settlements & Billing, including 5-min & Global Settlements. New invoice templates. Decommission of Mandatory Restrictions in NEM Settlements.
- Content includes Prudentials & Settlement Estimation.

