

Transitional SCADA-based dispatch arrangements for SCED

28 October 2021

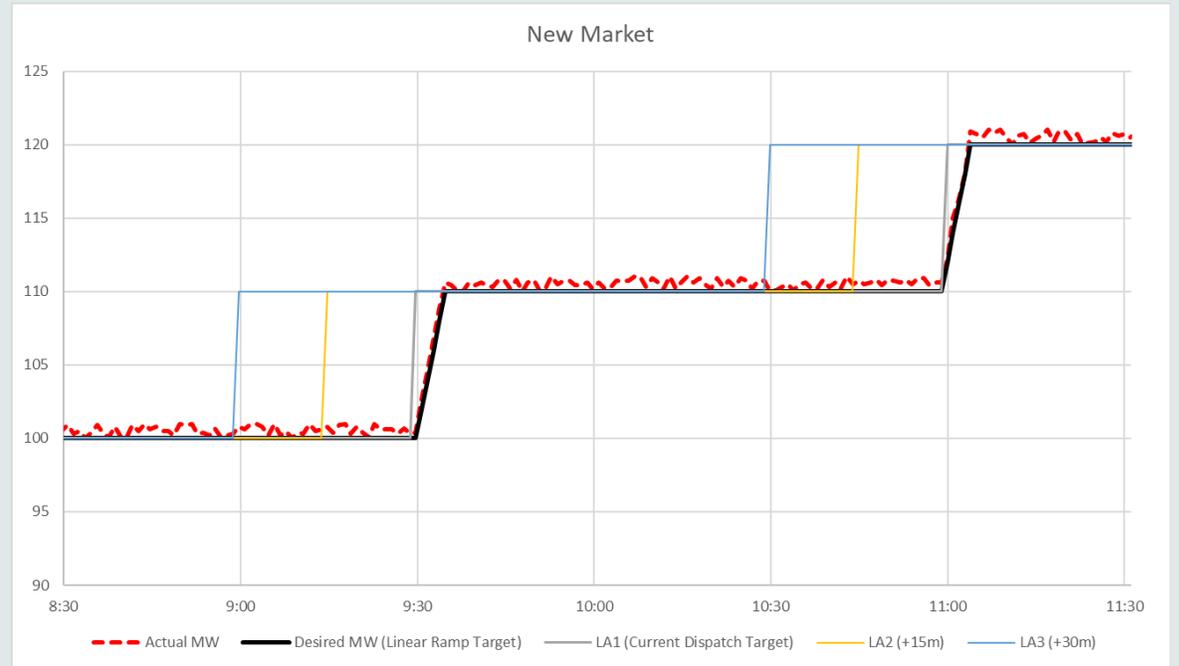
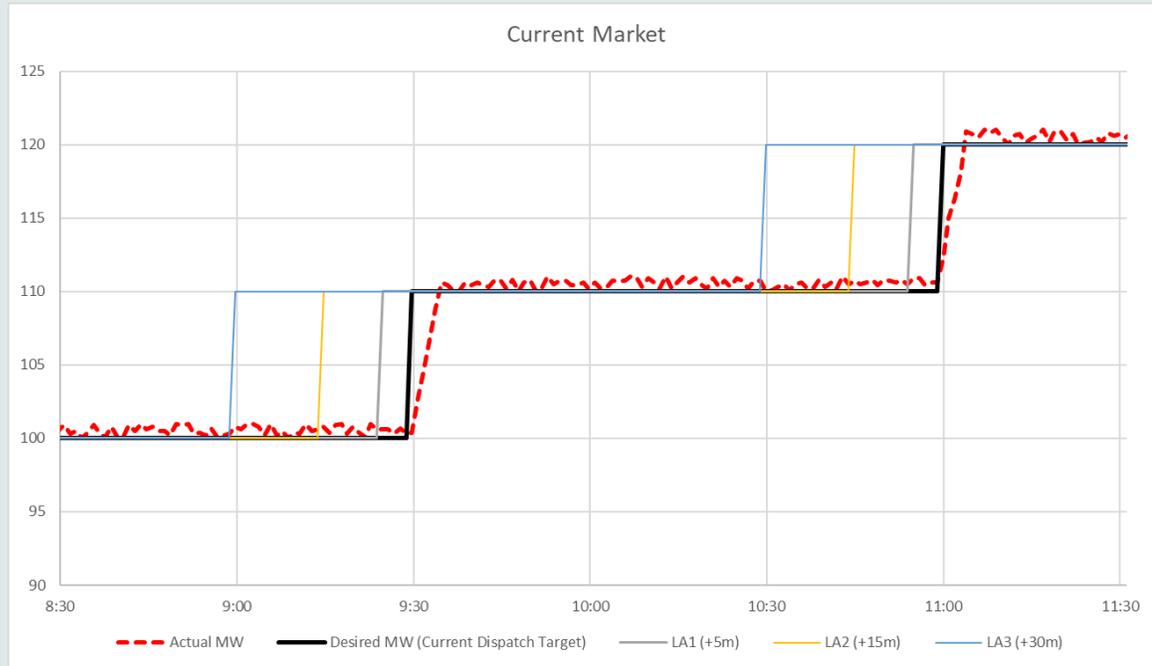
Recap from previous WRIG

- Discussion from March 2021 WRIG on SCADA and Control Requirements
- Key changes to SCADA signals:
 - Re-purpose existing Look-Ahead 1 signal (currently fixed at +5 minutes for all participants) to become the “current interval” Dispatch Target (EOI) value in the new market
 - For a facility with existing additional Look-Ahead points more than 5 minutes ahead, AEMO can continue to feed Dispatch Schedule forecasts to these points (provided up to 5-min granularity, 2-hours ahead)
 - For facilities wishing to participate with Fast Start Inflexibility Profiles we can re-purpose existing Look-Ahead setpoints to provide “start/stop” indications
 - Will require Participants to consider logic on-site and how existing Look-Ahead signals are used

Recap from previous WRIG

- Brief discussion on potential transitional options to support Participants readiness for new market operation:
 - Use existing Desired MW signal to implement incremental control (required to support linear dispatch in SCED), based on current Balancing Market outputs (30-min interval BMO dispatch target, BMO ramp rates).
 - Look at adjusting timeframes for existing Look-Ahead signals at the same time
- Discussions held with interested participants to look at high level implications
 - Broad feedback was this was likely to be achievable

Overview



Transitional Dispatch Rules – Tranche 4B

- New section 1.51 included in gazettal of the Tranche 4B rules, commencing October 2021
- Allows for AEMO to “request approval” from Participants to control specific elements of their Facility for the purposes of implementing SCED
- AEMO must still issue Dispatch Instructions as per the current Balancing Market arrangements
 - and does not need to issue “sub-DI’s” for incremental controls used to implement the Dispatch Instruction
- AEMO control must be in adherence with issued Dispatch Instructions
 - If this is not the case, the Participant is not held to be non-compliant with the Dispatch Instruction

Preparation for SCED

- Keen to commence discussions with Participants on implementation of transitional arrangements
- AEMO will create and maintain a register of which Participants are processing changes, and which changes have been implemented
- Broadly, the suggested process is:
 1. Participants to contact AEMO indicating readiness to discuss transitional arrangements (via WA.ETS@aemo.com.au)
 2. AEMO and Participants meet to discuss site specific requirements, e.g.
 - Current Look-Ahead signals and site logic
 - Intent for Fast Start in future market
 3. Agree on changes required to implement transitional arrangements and AEMO formalise “request for control” as per new transitional rules
 4. Schedule work to complete changes and test to confirm successful operation (via Commissioning Test Plan)
 5. AEMO update and maintain SCADA dispatch readiness register

Questions

Please feel free to contact us via the WA.ETS@aemo.com.au mailbox if you have any additional queries or suggestions on transitional SCADA dispatch



AEMO

AUSTRALIAN ENERGY MARKET OPERATOR