

WA MARKET REFORM PROGRAM STEM AND RCM

October 2016

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- What changes will be coming for STEM?
- What changes will be coming for the RCM?

Drivers

- Needs to integrate with NEM-based systems for July 2018
- Some rule changes
 - New timings, no resource plans

System Changes

- Current STEM is tightly coupled into existing WEMS system
 - Not in a form that can be easily ported to work with NEM-based systems
 - Technical incompatibilities (Fortran)
- STEM will need to properly integrate with the new market systems

Known Impacts

- Trading will take place over MarketNet
- Submission formats are likely to change
- Current MPI will be retired in July 2018
 - STEM trading via a unified trading platform with SSO

Schedule

- Currently under assessment; work is yet to be scheduled
- STEM changes will be introduced for July 2018

Drivers

- Rule changes – system compliance for October 2017 and beyond
- Needs to support changes in existing WEM systems for October 2017
- Needs to integrate with NEM-based systems for July 2018

System Changes

- New software components to handle:
 - The RCM certification cycle
 - The operation of the RCM
 - The settlement of RCM

- Submission formats will change
 - Draft web service API to be released in Q1, 2017
- RCM will initially be available via the WEMS MPI:
 - Support for the annual reserve capacity certification cycle
 - Support for ongoing operation of the RCM
 - RCM settlement calculation (interfaces for invoicing will remain as-is)
- Current MPI will be retired (for trading) in July 2018
 - RCM will be accessible via a unified trading platform with SSO
 - Access to RCM will be over MarketNet

Phase 3 (for October 2017)

- System build to take place from November 2016
- Will be integrated with existing WEMS, MPI, and settlement systems
- Incremental delivery? Where possible – still under assessment
- Draft API to be issued late in Q1 2017
- Schedule for information capture is still being established - TBA
- Software to be fully certified and delivered before start of 2017/18 capacity year

Phase 4 (for July 2018)

- Functionality largely delivered in Phase 3, but some changes required
- Will be integrated with MSATS, trading platform, and NEM-based settlement invoicing and prudential systems

RESERVE CAPACITY AUCTION



- Rule drafting and auction design are still pending.
- Schedule is yet to be determined, but work will commence after October 2017.

Questions?