



MISO Day 2 Readiness – Status Report

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MISO Day 2 Readiness

- Overall MISO Day 2 Readiness
 - ATC generally believes that MISO will be ready to begin market operations
 - ATC has participated in system testing over the last several months
 - Tests have discovered areas where MISO needs to make procedural and process changes to effectively implement and operate the market



MISO Day 2 Readiness

- ATC Specific Concerns
 - ATC has the following concerns that MISO needs to address prior to market start up. These issues have been communicated to MISO.
- 1. Reversion Test
 - The February 11 test was unsuccessful
 - A successful reversion test must be completed prior to start up. The next test is scheduled for March 9



MISO Day 2 Readiness

- ATC Specific Concerns
 2. Reversion Plan
 - The reversion plan addresses loss of unit dispatch system (UDS)
 - A potential cause for the inability to dispatch via the UDS in Day 2 is the loss of significant ICCP data, resulting in failure to achieve a satisfactory state estimator solution
 - Real time state estimator performance has passed MISO Readiness Advisor criteria
 - Need an explanation from MISO as to how the reversion plan will work in the event of an ICCP-driven failure as to how a successful state estimator solution over an extended time period (i.e.: over several hours)



MISO Day 2 Readiness

- ATC Specific Concerns

3. Generator Redispatch

- Several small generators in the Wisconsin/ Upper Peninsula are critical to addressing transmission constraints (i.e.: City of Marquette, MI)
- Several of these generators are not registered for the MISO market
- MISO needs to develop a methodology to communicate with these generators to address transmission constraints as effectively in Day 2 as in Day 1
- There must be a MISO mechanism to compensate these generators



MISO Day 2 Readiness

- ATC Specific Concerns

- 4. Access to MISO Operational Data

- ATC needs access to MISO operational data for effective monitoring of the ATC system
 - Particularly important for anticipating constraints and giving MISO security operators notice of impending constraints
 - MISO is expected to provide additional detail this week



MISO Day 2 Readiness

- ATC Specific Concerns
 5. Modeling of ATC's 69 kV system
 - Currently MISO is not using relevant ICCP data and is generating incorrect solutions
 - The solutions show apparent constraints in the state estimation in the Michigan UP
 - Issue arose through the Jan. 31 TLR incident and is being reviewed by MISO and ATC.