

Inter-Regional Coordination Update

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Market Implementation Committee

July 9, 2014

MISO and PJM began hosting a series of Joint Stakeholder Meetings July 16, 2012 to continue discussions on seams issues. The purposes of these meetings are to:

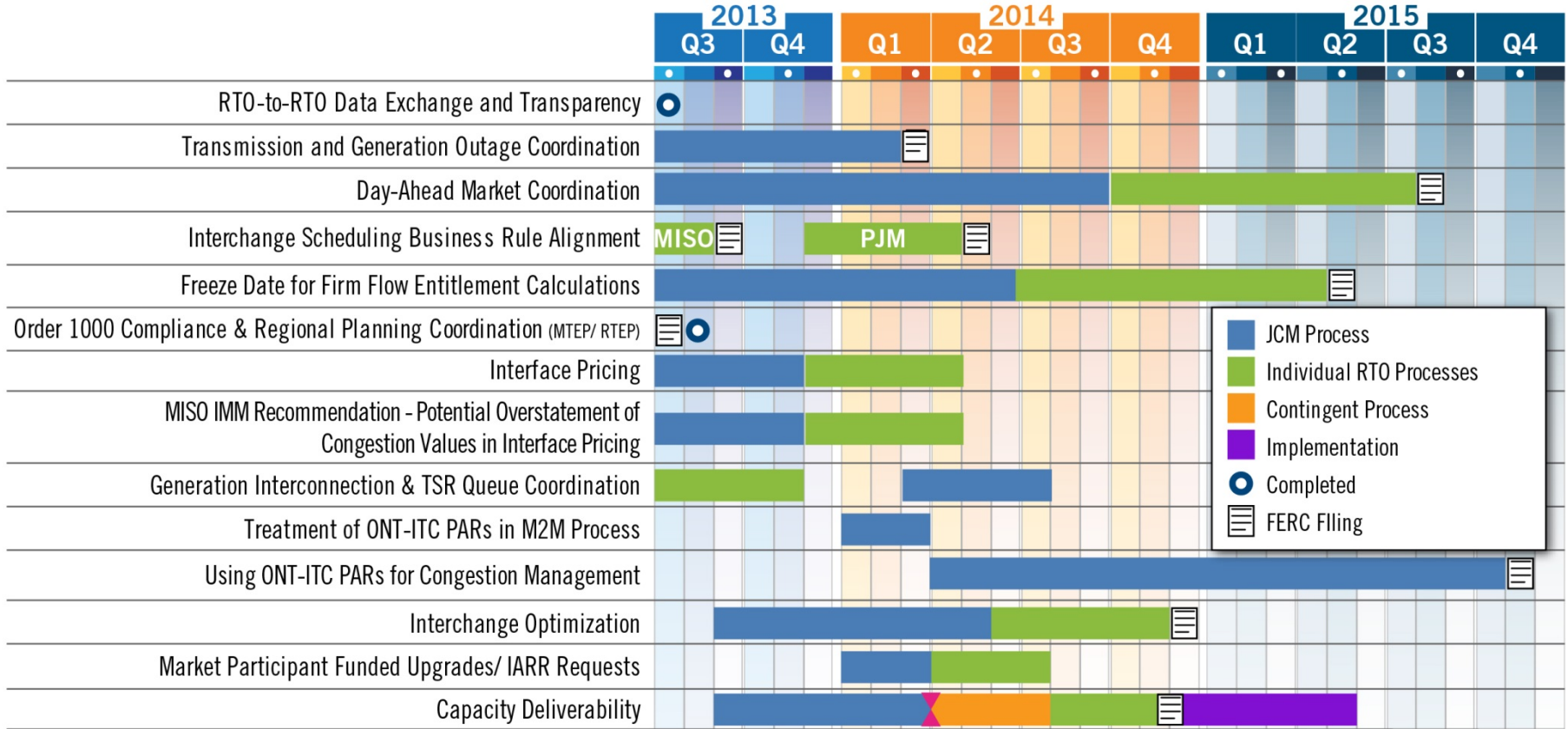
- Identify the most critical seams issues to be addressed
- Establish the priority for addressing the issues identified
- Establish the framework for issue resolution

The next Joint Stakeholder in person meeting will be hosted by MISO July 24, 2014 at MISO's Offices in Carmel, IN

- Meeting materials will be posted approximately one week in advance at the [PJM/MISO Joint and Common Market Initiative](#) as well as the [Joint and Common Market](#) websites



PJM-MISO JCM Work Plan Filed with FERC September 26, 2013



- JCM Process
- Individual RTO Processes
- Contingent Process
- Implementation
- Completed
- FERC Filing

July 24, 2014 JCM Topics

Market Issues

Planning Issues

Admin

Modeling of
Ontario-ITC
PARs in M2M
Process

Freeze Date
Alternatives

Use of
Commercial
Flow in M2M
Process

Interchange
Optimization

Capacity
Deliverability

Cross Border
Planning
Projects

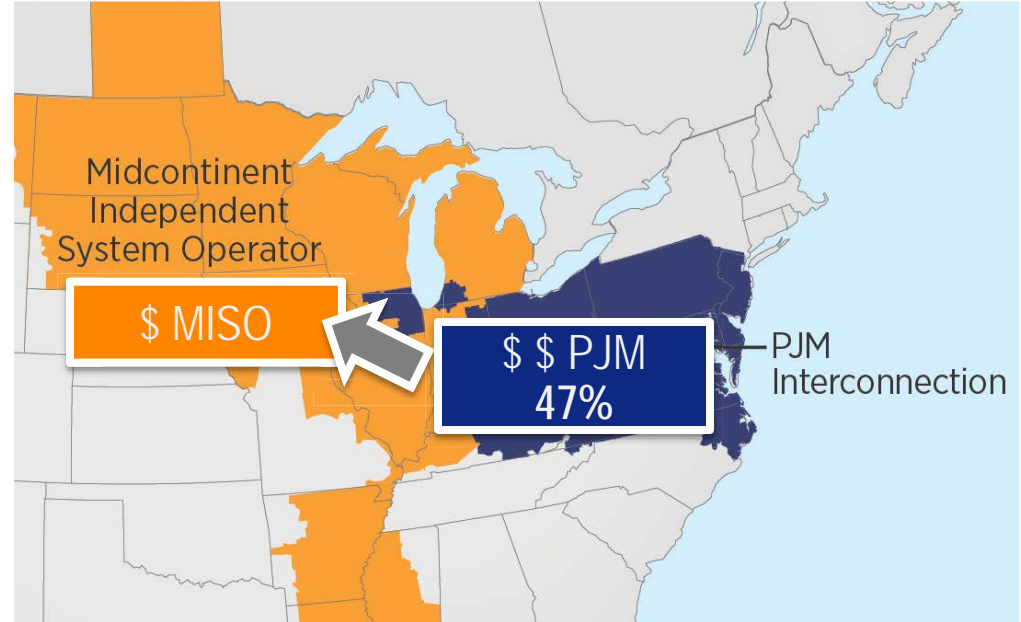
Queue
Coordination

Update on
M2M
Settlement
Adjustments

Issue Status

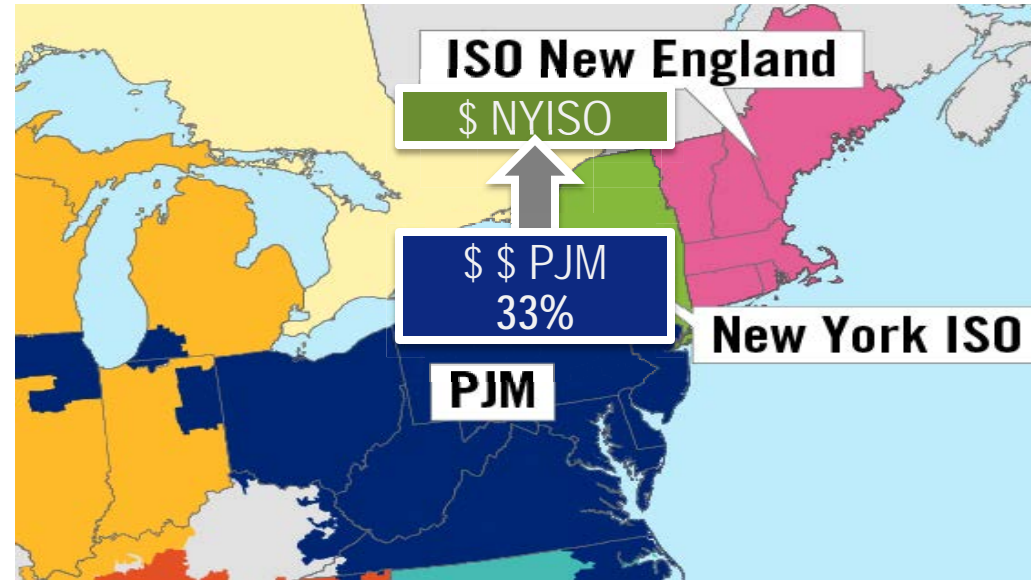
The objective of Coordinated Transaction Scheduling (CTS) is to improve interchange scheduling efficiency

- MISO and PJM are currently developing an interchange optimization proposal for stakeholder consideration
- The second Joint Stakeholder Meeting was held June 10, 2014 at PJM's Offices in Valley Forge
- Stakeholder feedback requested on need for additional joint meetings



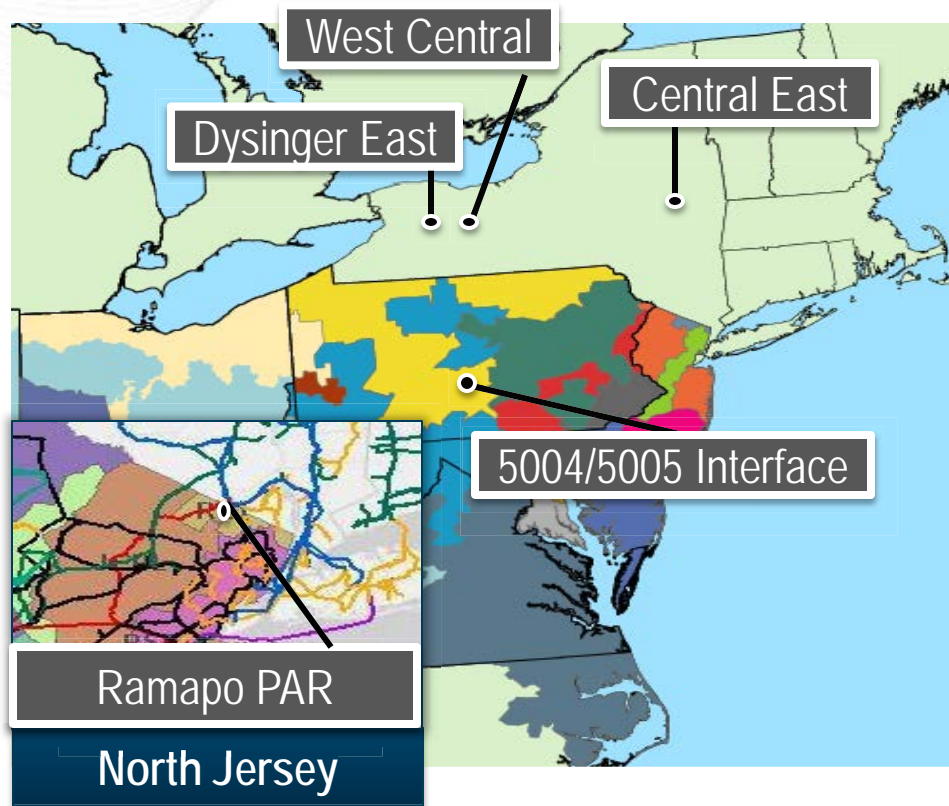
The objective of Coordinated Transaction Scheduling (CTS) is to improve interchange scheduling efficiency

- The MRC endorsed proceeding with the implementation of CTS between NYISO and PJM at the June 26 MRC Meeting
- Final compliance filing due at least 14 days prior to the effective implementation date
- An additional JOA filing was submitted to FERC to provide clarity on CTS Interfaces on June 20: [NYISO-PJM JOA CTS Revisions](#)
- CTS Sandbox available in September
- Implementation date November 4, 2014



- NYISO's sandbox environment will allow Market Participants to test their new Joint Energy Scheduling System (JESS) for submission of CTS bids
 - Market Participants will be able to enter CTS bids via the User Interface and through Upload/Download templates
 - The bids will not be evaluated in a clearing process
- NYISO is planning on having 3 sandbox sessions
 - September 2, 2014 through September 4, 2014
 - September 16, 2014 through September 18, 2014
 - September 30, 2014 through October 2, 2014
- NYISO will be offering training sessions for the new JESS with CTS functionality prior to the first sandbox session
 - Additional training sessions may be scheduled if necessary

- Close operational coordination between PJM and NYISO staff ongoing
 - PJM and NYISO staffs reached an agreement on the inclusion of Thunderstorm Alert Flowgates with JOA updates filed on May 2, 2014
 - FERC Approval was received on June 4
 - The Thunderstorm Alert Flowgates were reinstated on June 11, 2014



Ongoing Studies

- PJM's review of the recently completed cross border impact analyses associated with PJM RTEP upgrades approved in north central Pennsylvania did not reveal any substantive issues impeding the progress of these upgrades. **NYISO has confirmed that their study results show that no NYISO upgrades are required for these PJM reliability projects to go forward. Interconnection details including ownership, relaying and metering are currently under review.**
- PJM and MISO are performing a coordinated study evaluating recent market-to-market flowgate congestion and longer term market efficiency. PJM and MISO have completed the congestion analyses and have solicited upgrade proposals from stakeholders. 76 proposals have been received from 12 organizations. Analysis of the proposals under Future 1 (reference planning assumptions future for PJM and MISO) and Future 2 (PJM and MISO meet RPS targets) and Future 3 (PJM imports about 1/3 of it's RPS needs from MISO) are complete. The results of the completed analyses for the three Futures were reviewed at the March 17, in person IPSAC meeting at PJM. Re-evaluation of projects to address stakeholder impacts is complete and results were presented to stakeholders at an in person IPSAC at MISO on May 16. Three project calculations were shown to have a JOA B/C ratio greater than 1.25 in one region's calculation. These three projects are currently being cross checked by calculations of the other region. This effort is expected to complete near the end of July when another IPSAC will be scheduled.
- PJM, the North Carolina Transmission Planning Committee (NCTPC) and MISO have agreed on joint reliability and economic study scopes to address questions posed by the North Carolina Utility Commission. The scopes address potential impacts on the North Carolina power system of MISO resources cleared in the 2016/17 RPM. A kick-off conference call among the study participants was held on May 29. **The reliability power flow is complete including PJM, MISO and NCTPC system representations. The development of detailed methods and inputs to the analyses is underway. A Conferences calls to discuss current status, methods and inputs were held on June 18 and July 1.**
- PJM is actively contributing to the SERC long term system and capacity adequacy studies