



Inter-Regional Coordination Update

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Market Implementation Committee
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MISO/PJM Joint Stakeholder Meetings

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:

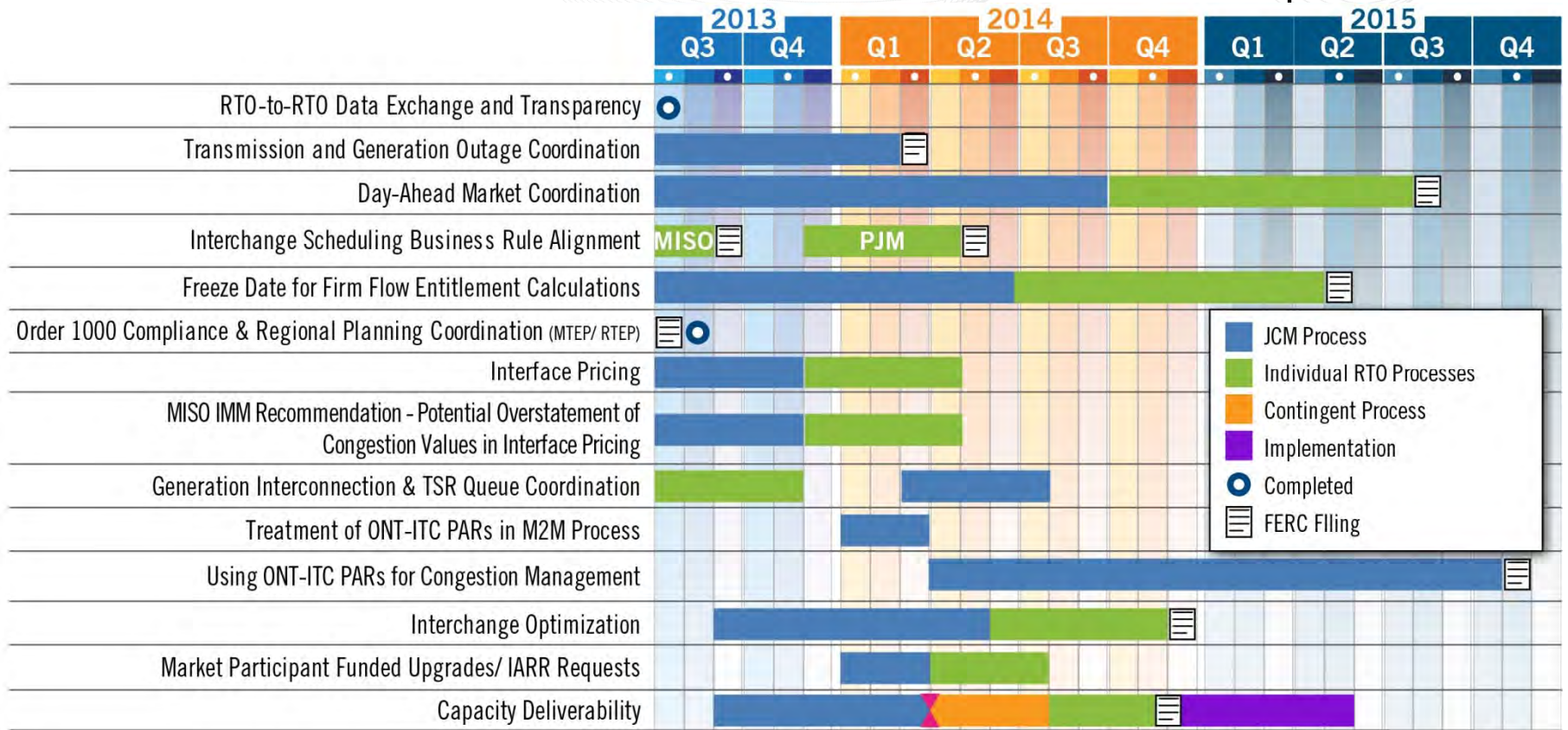
- Identify the most critical seams issues to be addressed
- Establish the priority for addressing the issues identified
- Establish the framework for issue resolution

The next Joint Stakeholder in person meeting will be hosted by PJM May 28, 2014 at PJM's Offices in Valley Forge, PA

- A conference call to discuss the results of the Capacity Deliverability Fact Finding #1 is scheduled for April 14, 2014 from noon to 3 pm
- 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





MISO/PJM March 21 Joint Stakeholder Meeting Topics

Enhanced Forward
Markets
Coordination

JOA Filing for
Market Flow
Calculation
Changes

Interface Pricing

Modeling of
Michigan-Ontario
PARs in M2M

Interchange
Optimization

Capacity
Deliverability

Cross Border
Planning Projects

Market-to-Market
Settlements
Adjustments

Issue Status and
Future Agenda
Items



Key JCM Items from the March 21, 2014 Meeting

- Enhanced Forward Markets Coordination
 - Feedback on proposed metrics requested by April 15
 - A report on the metrics will be provided and discussed at the September 10, 2014 JCM meeting
- JOA Filing for Market Flow Calculation Changes
 - MISO, PJM and SPP collaborated, finalized and filed JOA language changes with FERC on March 3, 2014
 - Approval from FERC and implementation of changes are currently on target for June 1, 2014

- Interface Pricing

- MISO, PJM, the MISO IMM, and the PJM IMM, provided update presentations on the “Overcharging of Congestion in Interface Prices” raised by the MISO IMM
- PJM believes a single common interface definition represents a significant positive step to reduce the overcharging of congestion for PJM/MISO transactions and that additional analysis is needed to ensure there are no unintended consequences of removing congestion from the Interface LMP as proposed by the MISO IMM
- MISO will retain their existing definition of the PJM interface and pricing methodology in the near-term to minimize overcharging while their final alternative is being implemented
- Staffs from MISO, PJM, the MISO IMM, and the PJM IMM will continue to work collaboratively with stakeholders to improve the long-term solution to addressing the interface pricing concerns raised by the MISO IMM



Key JCM Items from the March 21, 2014 Meeting

- **Modeling of Ontario-ITC PARs in the MISO-PJM M2M Process**
 - Additional analysis efforts are underway to determine how to model the Ontario-ITC PARs in Market Flow Calculations and Firm Flow Entitlement calculations
 - Findings and recommendations will be provided to stakeholders for review and discussion at the May 28, 2014 JCM meeting
- **Interchange Optimization**
 - An analysis of interchange optimization benefits along with an overview of the approved PJM-NYISO Coordinated Transaction Scheduling solution was presented to Stakeholders
 - A proposed work plan for development of an interchange optimization solution between MISO and PJM was presented.
 - Joint MISO-PJM Stakeholder meetings have been scheduled for April 18, 2014 at MISO's Offices and June 10, 2014 at PJM's offices to have deeper development discussions on the Interchange Optimization proposal.



Key JCM Items from the March 21, 2014 Meeting

- Capacity Deliverability
 - MISO provided an update on their Fact Finding #1 and reviewed their Fact Finding #2 analysis results
 - MISO Fact Finding #1 results are expected to be completed and posted by March 30, 2014 and will be reviewed and discussed at a Joint MISO-PJM Conference Call on April 14, 2014
 - PJM reviewed their Fact Finding #1 analysis results
- Cross Border Planning Projects
 - NIPSCO provided a summary presentation of their request for MISO and PJM to address the coordination of cross border planning projects as part of the JCM Stakeholder processes

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

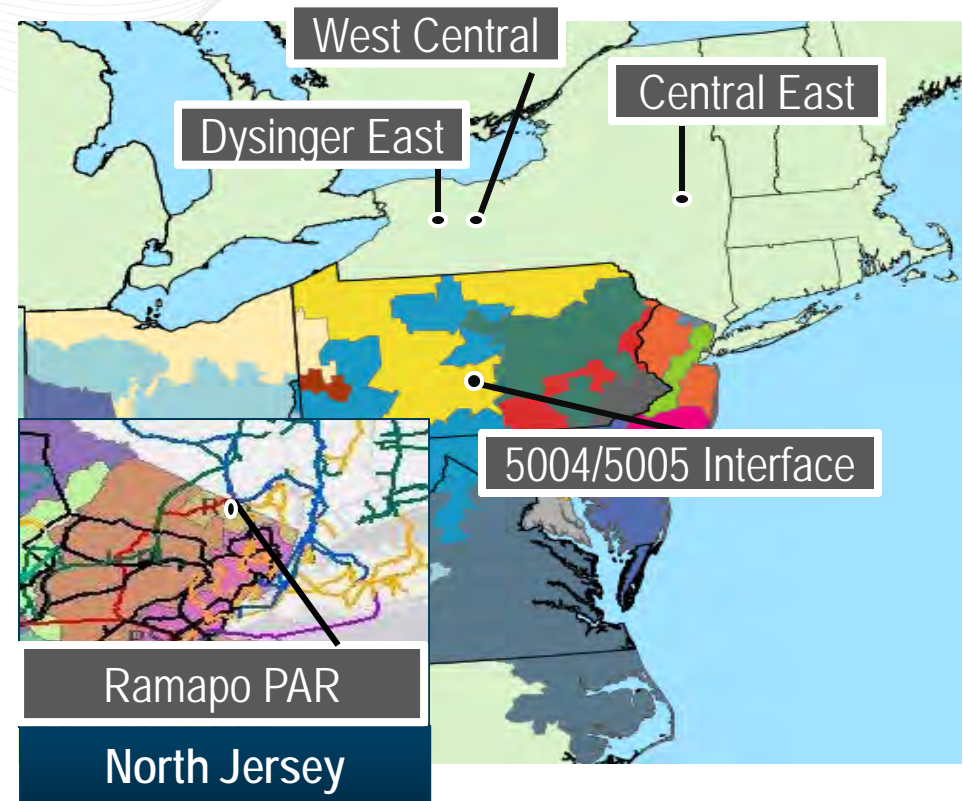
- NYISO and PJM received an order from FERC conditionally accepting the CTS filings in February
- Conditions to be met:
 - IT SCED forecasted price accuracy
 - Compliance filing at least 14 days prior the effective implementation date



- Forecasted LMPs and accuracy statistics from IT SCED is available on the [IT SCED Forecasted LMPs](#) webpage
 - Data available back to February 2013
- PJM is working towards an end of April deployment for IT SCED prices available in eData in real time
- Receive stakeholder feedback on level of comfort with accuracy metrics
 - Issue Stakeholder Survey in late April/early May timeframe

NYISO-PJM Market-to-Market Update

- Close operational coordination between PJM and NYISO staff ongoing
 - PJM requested M2M suspension for Thunderstorm Alert Flowgates in NYC on July 12 per the JOA.
 - PJM and NYISO staffs have reached an agreement for Thunderstorm Alert Flowgates – JOA updates are underway



- JOA Updates developed which address operations during Thunder Storm Alerts and a single Ramapo PAR outage
 - M2M Settlements during Thunder Storm Alerts will occur only when either NYISO or PJM operations staffs fail to take required PAR tap moves within a 15 minute interval
 - Adds interchange factors to be applied to the Ramapo PAR target value during a single Ramapo PAR outage
 - The draft JOA language is available at: [Draft NYISO-PJM JOA](#)
 - Filing date anticipated around May 1, 2014 with FERC for a target implementation date of June 1, 2014 pending FERC approval

Ongoing Studies

- PJM is reviewing the recently completed cross border impact analyses associated with PJM RTEP upgrades approved in north central Pennsylvania. The preliminary conclusion is no significant impact of the proposed PJM upgrades on the NYISO system. This is a significant step toward realization of these important reliability upgrades.
- 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.
- PJM has begun reviewing a draft scope document provided by the North Caroling Transmission Planning Committee for a joint study to address questions posed by the North Carolina Utility Commission regarding potential impacts on the North Carolina power system of MISO resources recently cleared in RPM.