

Synchronous Reserve Deployment Task Force (SRDTF)

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- Synchronous Reserve Deployment Task Force (SRDTF)
 - Newly formed task force to enhance deployment of synchronized reserves
 - Controlled deployment of reserves throughout a deployment event
 - Improved System reliability during and after deployment event
 - Reports to OC with updates to MIC and MC Webinar
- First meeting scheduled for April 8.
 - https://www.pjm.com/committees-and-groups/task-forces/srdtf

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Synchronized Reserve Event Overview

- Synchronized reserve events are emergency procedures triggered by PJM to maintain grid reliability in accordance with NERC BAL standards.
 - Caused by a variety of conditions including loss of generation and sudden influx of load
- An All-Call message is sent to units with an instruction to raise to full output.
 - Message is not limited to units with reserve commitments
- RTSCED cases are not consistently used during an event.
 - Cases that align with dispatch instructions are not readily available
 - No expectation to follow case instructions



- The level of unit response is not controlled and hard to predict.
 - Mixture of over and under response across various units
 - Slow initial recovery followed by extended over response
 - Transition period for units to deviate from the dispatch signal to comply with the manual All-Call instruction
- Tools like RTSCED are not utilized during an event.
 - Pricing and dispatch signals are from a pre-event RTSCED case and often conflict with All-Call instructions
 - Transmission constraints are not proactively controlled and require manual operator actions
 - Inefficient dispatch of units, no economic order



- Review education on existing actions and expectations for synchronized reserve events.
- Provide education on synchronized reserve deployment practices by other ISOs/RTOs.
- Provide education on impacts of upcoming market changes including Price Formation.
- Analyze metrics and data on historical events.
- Development of solutions and timelines for the overall synchronized reserve deployment process.



- Recommend potential changes to resource expectations during synchronized deployment events.
- Review manuals and governing documents for potential revisions.
- Estimated 6-12 months of effort to begin shortly after issue approval.



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