



UPDATE ON FERC 2222 IMPLEMENTATION CONSIDERATIONS

*Joint Utilities of New York
September 27, 2021
Joint ICAPWG/MIWG/PRLWG*



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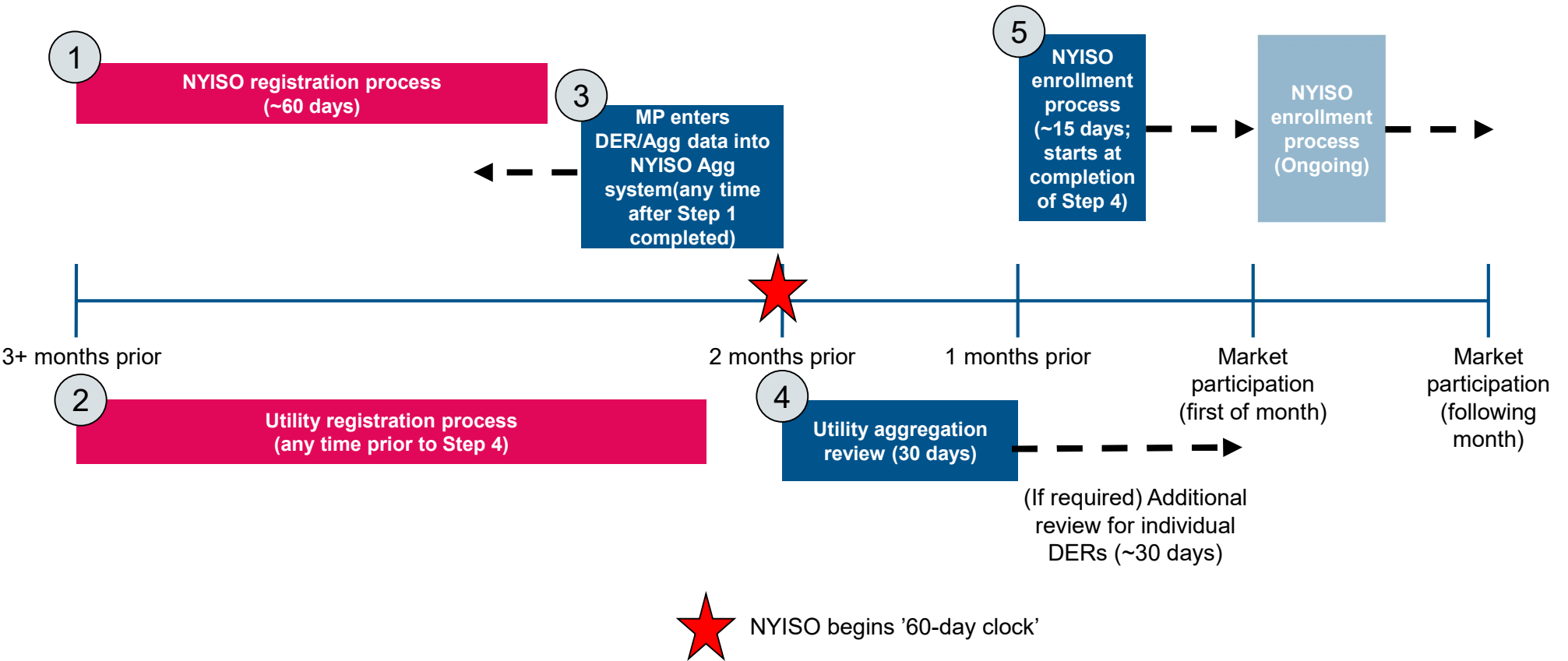


Agenda

- Registration & Enrollment
 - Studies, Identification and Remediation of Risks (if applicable)
- TO / DSO Communication and Coordination
 - DERA, Utility, NYISO
- Metering and Settlement
 - Meter data for settlement



Registration and Enrollment





Registration and Enrollment (cont'd)

- Data Required
 - NYISO will collect data and share it with the Utilities for use in their review of DER and Aggregations, which will supplement data provided in Interconnection Agreements and existing utility archives.
 - The Utilities are still working with the NYISO to determine what specific data will be collected, and the method for collecting this data.
 - Supplemental data from the DER(A)'s may be required by the utility on a case-by-case basis, and the method for this collection has yet to be determined.
- Studies
 - The Utilities will perform system studies on the individual and aggregated impacts of DERA products and services.
 - The utility will determine if there are risks to the system and will work with the DERA and the NYISO to mitigate if possible.
 - Communication of findings will be provided to the DERA and the NYISO.



TSO / DSO Communication and Coordination (Day-Ahead)

Up to 0500 day prior to operating day - DSO will inform DER of distribution maintenace impacting DER ability to inject.

After 1100 hrs and prior to 1300 hrs Operating Day - DERA will provide hourly granular DER schedule to DSO.

By 1100 hours day prior to operating day - NYISO will post DERA schedules along with the traditional DAOP Data.

Prior to 2200 DSO's will assess impact of DER hourly granular schedule on system and will reconcile any issues with DER, DERA, TO.



TSO / DSO Communication and Coordination Timeline (Real-Time)

- Real Time (Same process as existing generators today)
 - The TO is a conduit between the ISO and the DERA
 - The TO is provided DERA telemetry in real time in accordance with NYISO requirements
 - Data both can be communicated from the DERA through the TO to the NYISO or to the NYISO and the TO in parallel.
 - Verbal communication protocol will remain unchanged
 - DERA → TO/DSO → NYISO
 - NYISO → TO/DSO → DERA



Metering and Settlement

- The NYISO and the Utilities are developing a metering framework to enable settlement.
- Complexities include:
 - Many use cases, multiple meters and utility systems that enable all aspects of settlement
 - Hand-off of information between MSE's, utilities and NYISO to enable multiple billing scenarios.



Next Steps

- The Utilities continue to develop their plans to ensure that the implementation of FERC 2222 does not impair the safety and reliability of their distribution systems
- This includes:
 - Identifying its data requirements for aggregators, aggregations and associated distributed energy resources for its planning, market and operation activities
 - Refining its planning and interconnection studies
 - Enhancing, as necessary, its communication and coordination protocols
 - Ensuring the wholesale markets properly account for retail metering and markets



