

# DER Participation Model – Group 1 Concepts & Draft Manual Language Continued

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# Agenda

- **Background & Overview**
- **Feedback & Updates**
- **Manual Sections**
- **Next Steps**

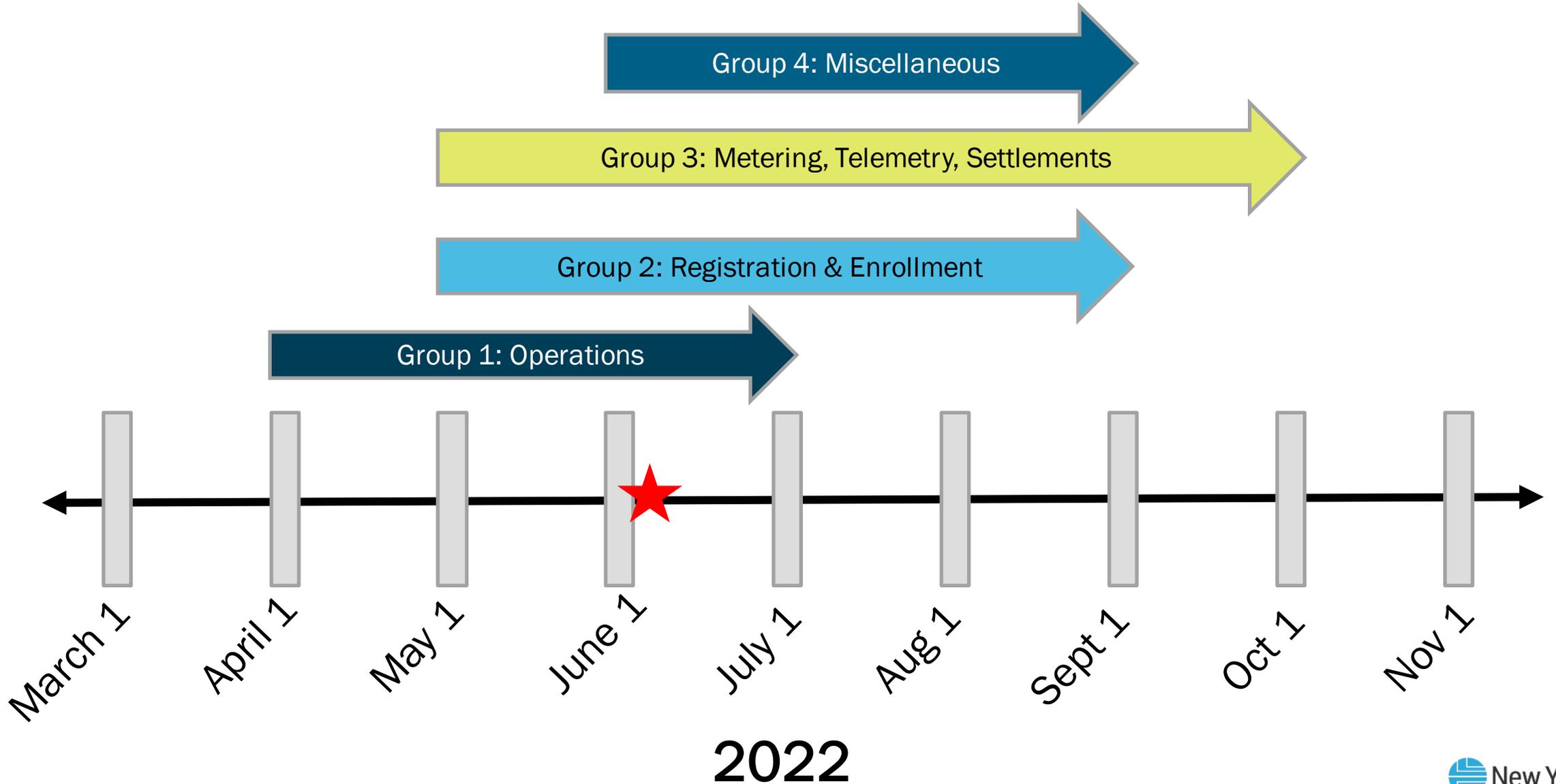
# Background & Overview

- On April 6, 2022, the NYISO presented an initial draft of revisions to the Ancillary Services Manual regarding DER and Aggregations.
- The NYISO sought stakeholder feedback on the Manual modifications.
- NYISO has reviewed and incorporated feedback provided.

# Background & Overview

- **Today's discussion will review the feedback and accompanying updates to the Ancillary Services Manual.**
- **NYISO is still evaluating comments received on the draft Aggregation Manual Part I; feedback and accompanying updates will be presented at a future working group.**

# Timeline Discussion



Document	Progress	Milestones
Aggregation Manual Part I	Reviewed – Posted, NYISO reviewing feedback	TBD
Emergency Operations Manual	All updates completed and feedback incorporated	5/11 ICAPWG 5/12 SOAS
Transmission & Dispatch Operations Manual	All updates completed and feedback incorporated	5/11 ICAPWG 5/12 SOAS
Day Ahead Scheduling Manual	All updates completed and feedback incorporated	5/11 ICAPWG 5/12 SOAS
Ancillary Services Manual	All updates completed and feedback incorporated	6/7 ICAPWG 6/9 SOAS
Control Center Requirements Manual	All updates completed and feedback incorporated	5/11 ICAPWG 5/12 SOAS & CDAS
Outage Scheduling Manual	Internal review	TBD
Outage Scheduler User's Guide	Internal review	TBD
GOCP User's Guide	Internal review	TBD

# Feedback and Updates

# Ancillary Services

## ■ Feedback received:

- Section 4.11.2/6.12.2 Prequalification/Verification Performance Test –
  - “It is unclear under what conditions an Aggregation would be verified or re-verified if the characteristics of the Aggregation change.”
- Aggregations are tested using a ‘verification’ rather than a prequalification – the Aggregator is permitted to enroll an Aggregation and begin participating to provide Regulation Service/Operating Reserves without prequalifying but will be required to verify performance during the first two weeks of the first month active in the market.

# Ancillary Services

## ■ Response and update:

- “An Aggregation will be re-verified if any of the following conditions are true: New Aggregation, Updated Aggregation whose UOL has changed by a +/- 10 MW Threshold, Updated Aggregation where one or more facilities have been added, Updated Aggregation whose Ancillary Service bid flags are switched from “N” to “Y”, including those that failed Regulation/Operating Reserve Verification testing for the first time in the previous testing window.”

# Ancillary Services

## ■ Feedback received:

- Section 6.2.2. Supplier Eligibility Criteria –
  - Discrepancy between published manual redlines and contents of slides.
- Aggregations comprised of Demand Side Resources, that are supporting their demand reduction through the use of Local Generators (unless the Local Generator utilizes inverter-based energy storage technology) and are capable of reducing their Energy usage within ten (10) minutes, shall be eligible to supply 10-Minute Non-Synchronized Reserve and (iv) Aggregations comprised of generating units (including Local Generators facilitating Demand Reductions by Demand Side Resources) and are capable of increasing its supply level within ten (10) minutes, shall be eligible to supply 10-Minute Non-Synchronized Reserve.

## ■ Response:

- Modifications to manual language outlined on the next slide.

# Ancillary Services

## ■ Response and update cont'd:

- Section 6.2.2. Supplier Eligibility Criteria –
  - Added clarifying statements to the 10-Minute Non-Synchronized Reserve and 30-Minute Reserve (synchronized and non-synchronized) sections, highlighting that an Aggregation qualified to supply such products shall not be eligible to supply a different (synchronized or non-synchronized) service.
    - For example, Aggregations comprised of generators which are not eligible to supply 30-minute synchronized reserves, shall have the opportunity to qualify to be eligible to supply non-synchronized 30-minute Reserves.
  - Additional grammatical updates included in the posted redlined draft.

# Ancillary Services

## ■ Feedback received:

- Section 6.2.2. Supplier Eligibility Criteria –
  - Various grammatical suggestions to improve consistency of language.

## ■ Response and update:

- Grammatical updates included in the posted redlined draft.

# Ancillary Services

## ■ Feedback received:

- Section 6.3.1. Bidding and Bid Selection –
  - Inquiry of whether Demand Side Resources need to be specifically identified.

## ■ Response and update:

- Demand Side Resources do not need to be specifically identified here – Aggregations may provide either synchronous or non-synchronous reserves, but not both.
  - Removal reflected in the posted redlined draft.

# Ancillary Services

- **Additional update:**

- Section 7.1 Description (Black Start Capability Service) –
  - Added language “Aggregations are not permitted to provide black start capability service” to the posted redlined draft.

# Manual Sections

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## ■ Ancillary Services Manual

- 4.11.2. Prequalification/Verification Performance Test
- 6.2.2. Supplier Eligibility Criteria
- 6.3.1. Bidding and Bid Selection
- 6.12.2. Pre-Qualification and Re-Qualification Performance Test
- 7.1 Description

# Next Steps

# Next Steps

- **NYISO seeks ICAPWG recommendation of the updated Ancillary Services manual for a BIC vote in November 2022.**
- **NYISO will return to discuss concepts and supporting language for Group 1 – Operations continued at further ICAPWG, CDAS, and SOAS in June.**
- **NYISO will return to discuss Group 2 language updates at a future ICAPWG.**
- **Please send any questions that were not addressed during this presentation to: [DER\\_Feedback@nyiso.com](mailto:DER_Feedback@nyiso.com)**
  - Comments/feedback submitted to the NYISO will be posted publicly unless the NYISO is specifically asked not to do so.

# Our Mission & Vision



## Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



## Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

# Questions?