



# SMD2 Interactive Market Trials

Presented to the  
**Business Issues Committee**  
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Agenda # 9

Draft – for discussion only

# Definitions

- **FAT (Factory Acceptance Test) – Acceptance testing of purchased SMD2 components.**
- **Market Trials – the overall SMD2 integrated test process.**
- **Interactive Market Trials – Market Participant exercises.**
  - *Sandbox exercises – Interaction with the MIS and OASIS.*
  - *Virtual Markets – Market exercises designed to simulate an SMD2 production environment.*

# Review

## ➤ Original plan (April deployment)

- *1 week for MIS sandbox exercises*
- *3 weeks for virtual market exercises*
- *November SMD2 Tech Conference revealed concerns with Market Trials schedule.*
- *Market Participants indicated that 3 – 4 times the amount of time allotted for Interactive Market Trials exercises would be needed for adequate testing, remediation, and retesting.*

# Revised Schedule

- ✦ **The revised schedule provides 4 months of Interactive Market Trials exercises.**
  - *8 weeks of for MIS Sandbox exercises*
  - *9 weeks for virtual SMD2 Market exercises*

# Revised Schedule

## ➤ Upload / Download *Sandbox* exercises

- *Provide access to the SMD2 MIS environment for upload / download testing*
- *Exercises begin in mid-April*
- *Facility available M/W/F 10AM – 3PM*
- *Facility will be available for 6 consecutive weeks*
- *Results will be simulated – the markets will not run in this exercise*
- *Upload / download file format review currently underway*

# Revised Schedule

## ✦ MIS web-based *Sandbox* exercises

- *SMD2 MIS web screen access*
- *SMD2 OASIS access*
- *Exercises begin in mid-May*
- *Facility available M/W/F 10AM – 3PM*
- *Facility will be available for 4 consecutive weeks*
- *Results will be simulated – the markets will not run in this exercise*

# Revised Schedule

## ✦ Virtual DAM exercises

- *NYISO will publish forecast and network conditions for simulated market day*
- *Market post and close times will be skewed for exercises*
- *Run 1 or 2 exercises per week*
- *NYISO will host scheduled review (Q&A) sessions*
- *Exercises will begin in mid-June*
- *Exercises will run for 3 consecutive weeks*

# Revised Schedule

- ✦ **Virtual DAM/RT two-settlement exercises**
  - *Run and post DAM*
  - *Run 24-hour virtual RT Market using simulated dynamic system performance data*
  - *Post RTS results*
  - *Issue bills*
  - *Run 1 exercise per week*
  - *NYISO will host regular review (Q&A) sessions*
  - *Exercises begin in early July*
  - *Exercises will run for 6 consecutive weeks*
  - *Schedule will be subject to power system conditions*



# SMD2 User Training

## ➤ SMD2 User Training will begin in early May.

- *Training designed for proficient user's*
- *One day course covering:*
  - ◆ **Bidding format changes**
  - ◆ **RTS (ReaT-Time Scheduling)**
  - ◆ **Reserve and Regulation market changes**
  - ◆ **Reserve and Regulation demand curves**
  - ◆ **Market Monitoring**
  - ◆ **Market Trials and Deployment**

# Virtual Market Results

- **Virtual market exercise results may not be consistent with expectations due to the level of participation in each exercise, and the nature of the bids and offers submitted.**
- **It is important to note that the Market Trials are a test of the systems and processes, and not a market simulation exercise. Market Participants are encouraged to submit bids that are consistent with the exercise system and forecast conditions.**

# Virtual Market Results

- **Market participants will be involved with SMD2 market performance testing via a panel of sector representatives.**
- **Sector representatives will assist in defining SMD2 market test scenarios and review test results with NYISO staff.**
- **Confidentiality will be observed.**