The webinar will start shortly.

Please join on mute.

Please post your questions in the MS Teams chat. We invite attendees to ask questions on mic we're they'd like, during the Q&A at the end of the call

Please note that the webinar will be recorded.
Agenda

• Introduction and explanation of why this change is being introduced
• Technical overview of Ancillary Service Dispatch System (ASDP)/Platform for Ancillary Services (PAS)
• ASR Frequency Response Process
• Technical and Business Rules
• Next Steps
• Open mic Q&A
Automating availability redeclarations for response services

| DM/DR launch                  |  |
|------------------------------|  |
| Registration                 | Single Market Platform* |
| Prequalification             | Single Market Platform* |
| Bid/tenders                  | Manual submission to EPEX* |
| Availability/outage information | BM - Data Concentrator File API*  |
|                              | Non-BM - ASDP API*          |
| Disarming/re-arming instructions | BM - Existing Reason Codes |
|                              | Non-BM - N/A                |
| Performance metering         | BM & Non-BM - Data Concentrator File API* |
|                              | (format update to allow 2Hz** and 20Hz) |

*Will also apply to DC providers, further information to be communicated shortly

**Performance metering for DR will be 2Hz, however we are implementing a transition phase, allowing 1Hz for the first 6 months
SP Onboarding Process

- Register as a SP (NG Account Manager)
- Provide a brief Walkthrough (initial call with SP)
- Web Specifications (NG ESO Website)
- Business Logic Document (NG ESO Website)
- SP - Web Services Build and Implementation

**Sandbox Testing**
- SP: perform initial Testing using Sandbox URLs
  - NG to create and provide Sandbox Login credentials to SP
  - Note: No IP or URL whitelisting required for Sandbox testing.

**Market Participant Testing**
- SP and NG team together will perform:
  - Sanity Connectivity Testing
  - Market Participant Testing (Functional)
  - Query clarification call between PAS and SP
  - Note: No IP or URL whitelisting required for MPT testing

**Production On-boarding**
- SP: Provide the production IPs and URLs to NG
- SP: New Contracts Data
- NG: IP Whitelisting (Cloudflare and Verizon (VSTiG))
- NG: Add New Contracts Data to Prod System

**D-1 (Configuration as per Contract Start Date)**
- NG to perform the below:
  - CDSA Configuration – SP Credentials and End Point URLs
  - CDSA to share NG endpoint URL’s and credentials to ASDP
  - ASDP Configuration - New Contracts
  - NG: Share to SP - Credentials, URLs, Live Contracts, Windows Details for testing activity

**D-Day (Actual Enablement of SP)**
- NG to perform the below:
  - CDSA Load New Contracts data
  - Perform complete connectivity testing between SP and ASDP
  - Check the following during SP on-boarding
    - Availability & Re-declaration check
  - SP to send the Availabilitys and Re-declarations
ASDP Technical Changes

As Is Process

FR Providers

STOR Providers

Version 1 Web Services

Version 2 Web Services

PAS ASDP System

To Be Process

FR Providers

STOR Providers

DM/DR/DC Providers

Version 1 Web Services

Version 2 Web Services

Version 3 Web Services

PAS ASDP System
ASR Frequency Response Process

- **Pre-Qualification**
  - 14 days in advance
  - Day Ahead
  - Before Gate Closure
  - Operational Day

- **Service Provider**
  - Submit Bid
  - MW change from Contracted
  - Re-declarations

- **Daily Assessment**
  - Contract Award (Acceptance)
  - Do Nothing

- **ASDP**
  - Contract Load
  - Contracted MW
  - Availability

- **SMP Salesforce**
  - Pre-qual File Load
  - Registration
  - Pre-Qualification
  - Unit is deemed as Firm
Technical and Business Rules

Technical Rules

- Currently only the Availability Service is applicable for the Frequency Response services.
- Frequency Response products DM, DR and DC to use the version 3 Web Services as defined in the Web Services Specification Document.
- SOAP v1.1 (wsdl based).
- APIs via HTTPS.
- Datetime in UTC.
- Note: ASDP continues to use v1 for FR and v2 for STOR services.

Business Logic

- Window timings are defined as per the contract tendered for the unit.
- Change in availabilities has to be sent on 30 minute settlement period basis.
- Unit will be deemed as fully available (Firm) after the contract is awarded by NGESO.
- Change in availability can be submitted only after the contract is loaded into ASDP (D-1 16:00 hrs until real-time) for the D Operational Day.
- Declarations/Redeclarations must be only Contracted MW or 0 MW.
- More details are provided in the Business Logic Document.
Next steps

• Providers are welcome to come forward via their Account Manager when ready for testing with the ASDP team
• Testing of ASDP API will form part of the prequalification process for DM&DR
• Timeframes for completion of transition to ASDP for DM, DR and DC to be communicated shortly
• Please reach out with any questions via the commercial .box (commercial.operation@nationalgrideso.com) or directly via your Account Manager