ASDP (PAS): ASR Frequency Response Changes

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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
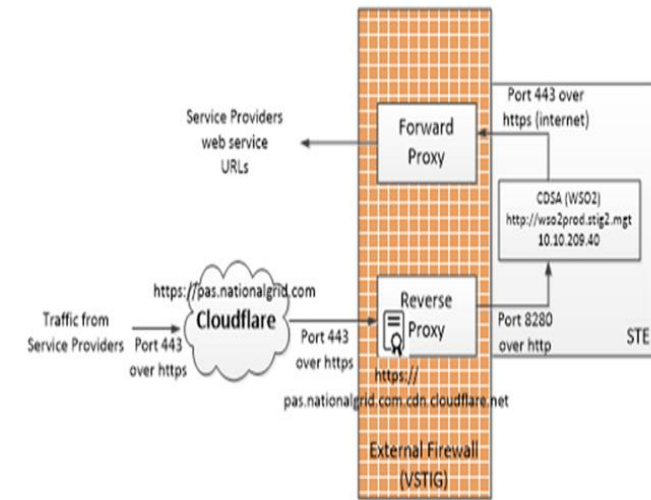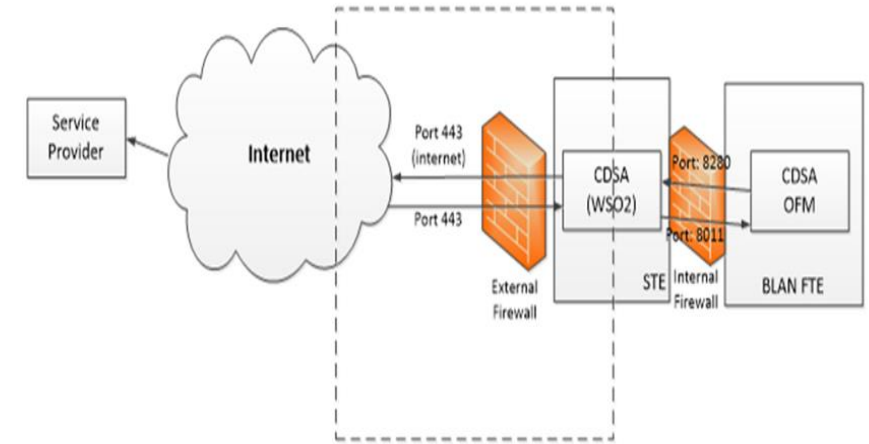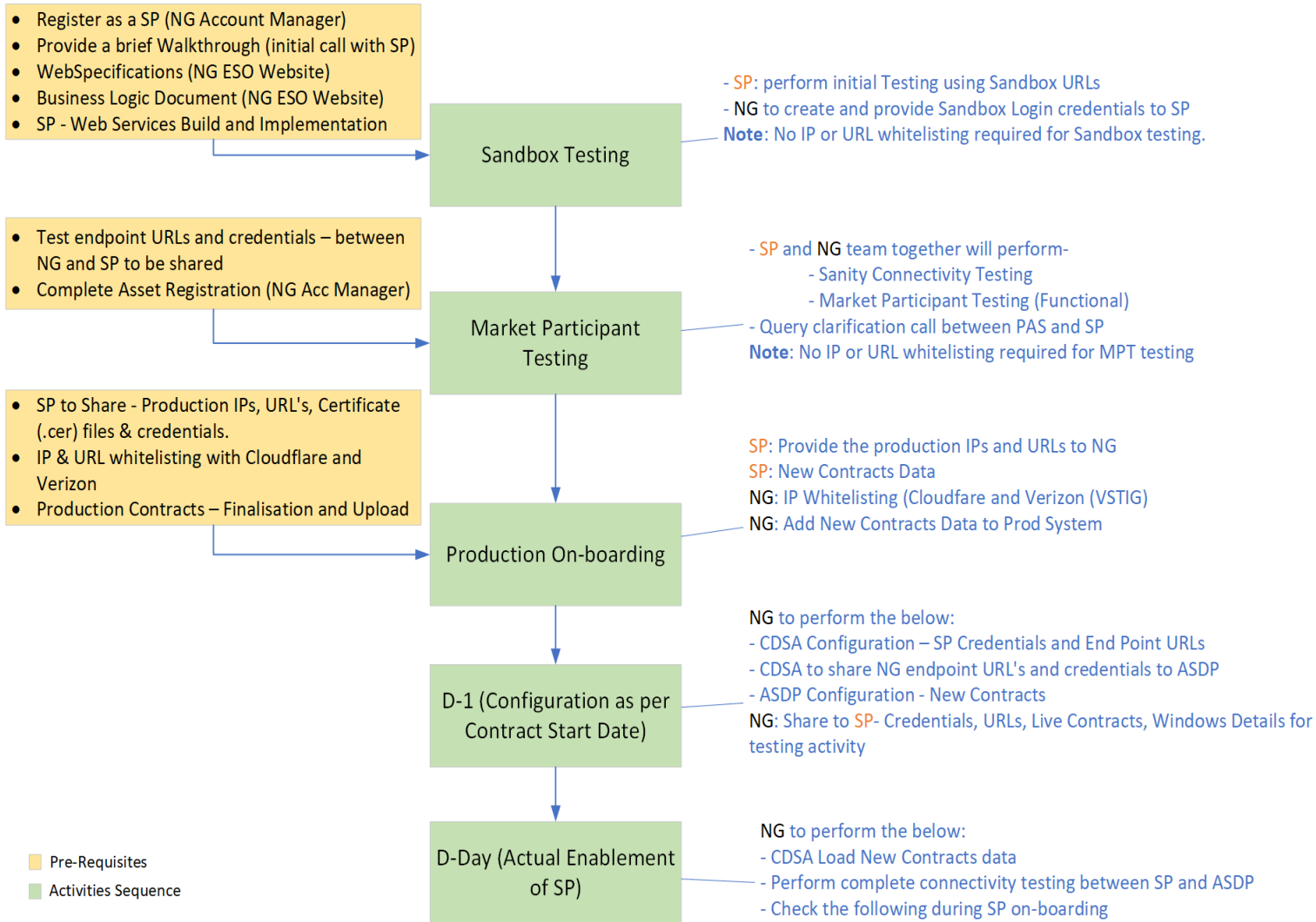- Technical and Business Rules
- Next Steps
- Open mic Q&A

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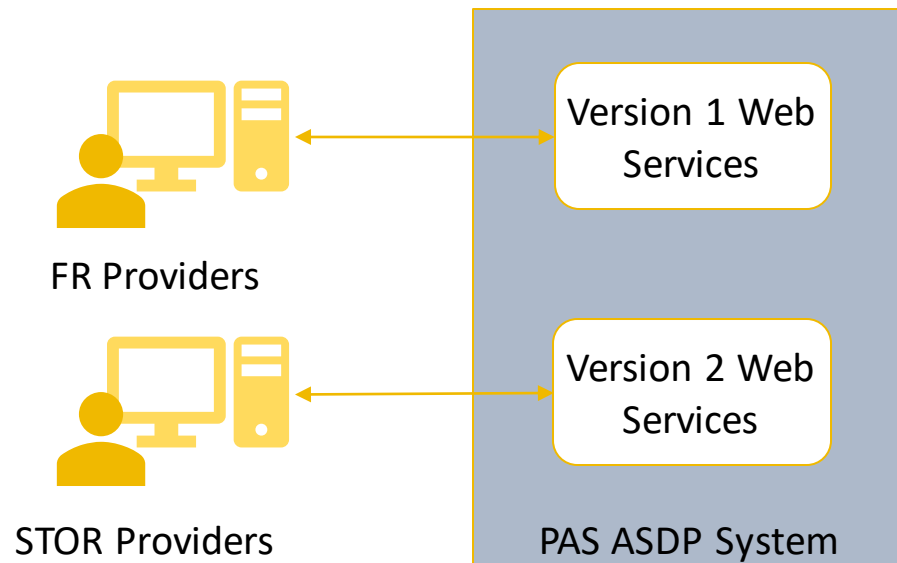**Performance metering for DR will be 2Hz, however we are implementing a transition phase, allowing 1Hz for the first 6 months
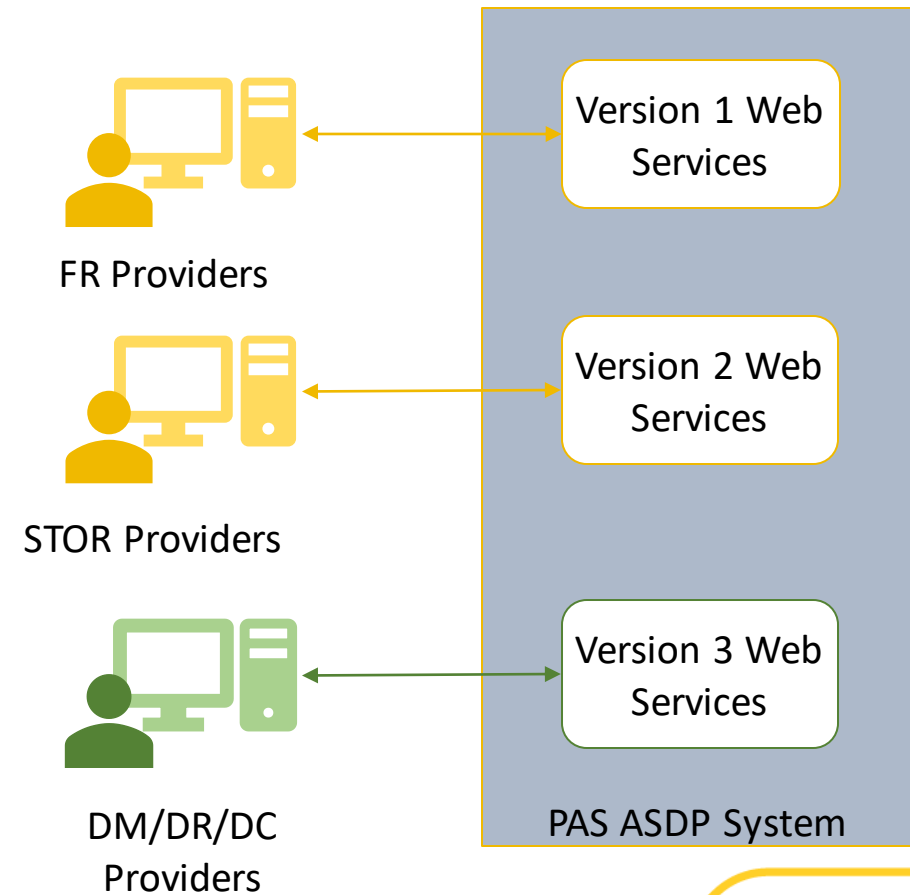
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SP Onboarding Process

Pre-requisites (Sandbox Testing):
- Register as a SP (NG Account Manager)
- Provide a brief Walkthrough (initial call with SP)
- WebSpecifications (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.

Pre-requisites (Market Participant Testing):
- Test endpoint URLs and credentials – between NG and SP to be shared
- Complete Asset Registration (NG Acc Manager)

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

Pre-requisites (Production On-boarding):
- SP to Share - Production IPs, URL's, Certificate (.cer) files & credentials.
- IP & URL whitelisting with Cloudflare and Verizon
- Production Contracts – Finalisation and Upload

Production On-boarding
- SP: Provide the production IPs and URLs to NG
- SP: New Contracts Data
- NG: IP Whitelisting (Cloudfare 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 Availabilities and Re-declarations

Legend:
- Pre-Requisites
- Activities Sequence

ASR Frequency Response Process

Service Provider	Daily Assessment	ASDP	SMP Salesforce

Pre-Qualification
- Pre-qual File Load ← Registration Pre-Qualification

14 days in advance
- Submit Bid

Day Ahead
- MW change from Contracted → Contract Award (Acceptance) → Contract Load
- Unit is deemed as Firm
- Yes / No

Before Gate Closure
- Re-declarations
- Do Nothing

Operational Day
- Contracted MW
- Availability

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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 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

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