



# ESO Technical Webinar – Enhancements to ASDP for Non-BM Response Providers

6 October 2022

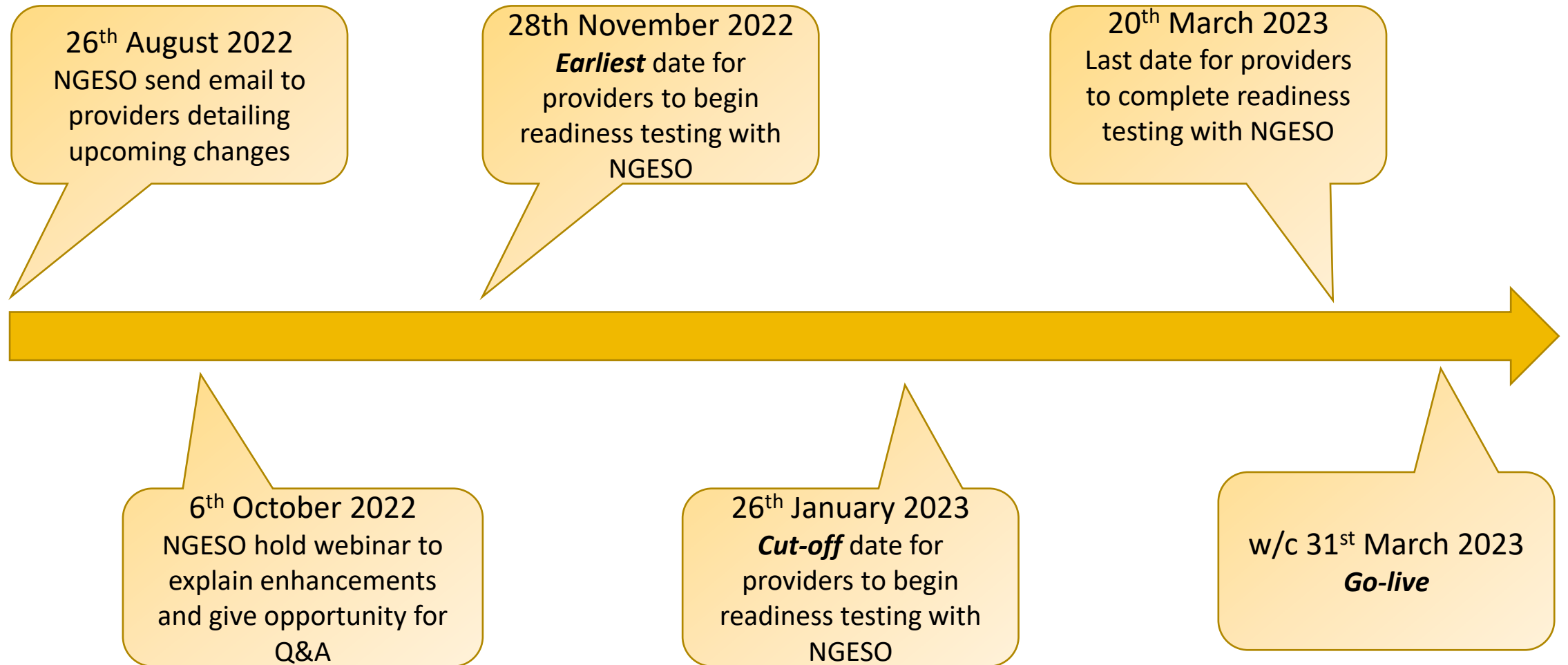
The webinar will start shortly.  
To maximise participation and minimise disruption we will  
be taking questions via MS Teams Chat, therefore your  
microphones are muted.

**Please note that the webinar will be recorded.**

# Agenda

1. Introduction
2. Enhancements
3. Details of Enhancements
4. Readiness Testing
5. Next Steps
6. Q&A

# Introduction





# Enhancements





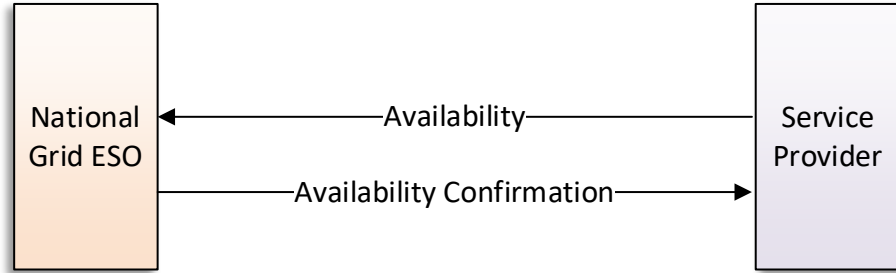
# Processes for BM & Non-BM

Process	BM Units	Non-BM Units
Registration	Single Market Platform	
Pre-Qualification	Single Market Platform	
Bid / Tenders	Manual Submission to EPEX	
Availability / Outage	Data Concentration File API	ASDP API (V3)
Disarming / Rearming	EDL / EDT	ASDP API (V3)
Heartbeat & NACK		ASDP API (V3)
Physical Notification	EDL / EDT	ASDP API (V3)
Performance Metering	Data Concentrator File API	

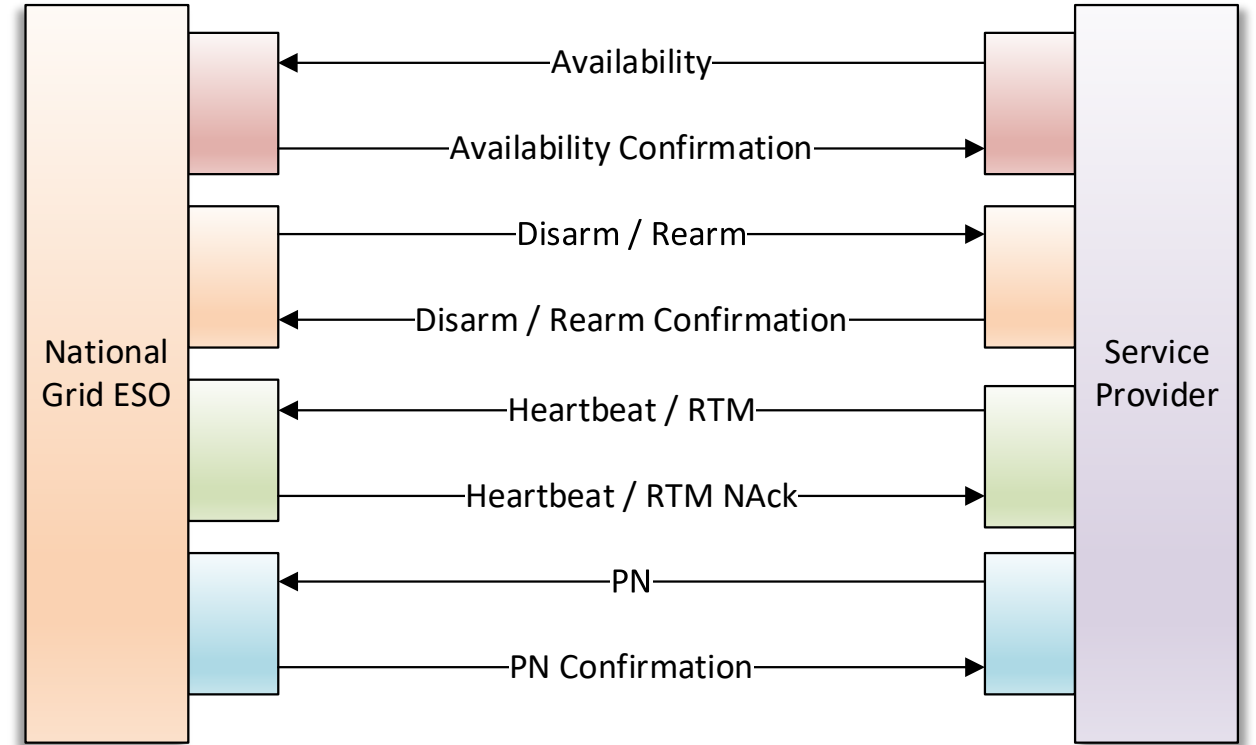
Items highlighted in green will be changing

# ASDP Technical Changes

## As Is Process



## To Be Process



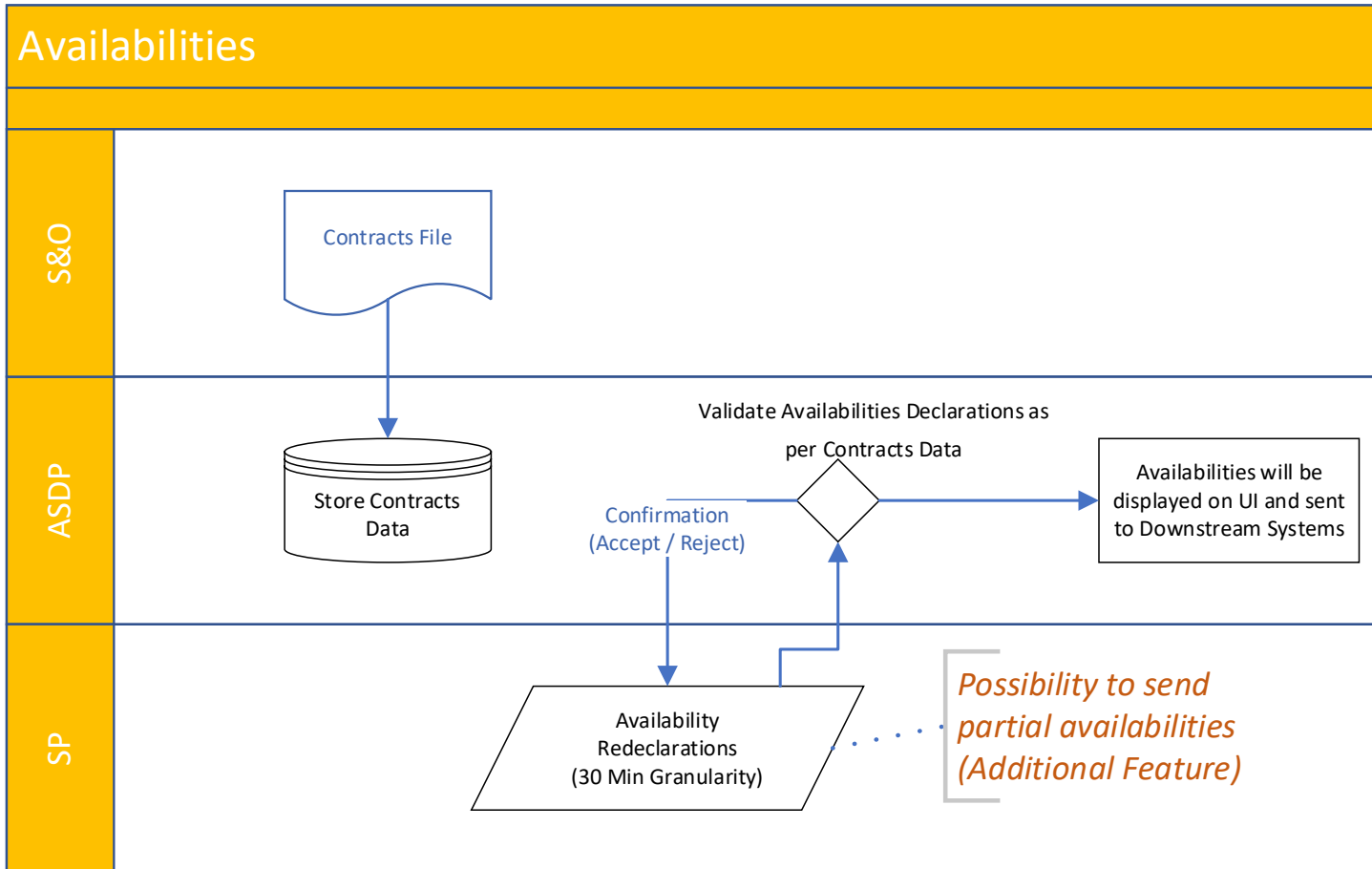


# Details of Enhancements

A landscape photograph of a rolling field at sunset. The foreground is a field of dry, golden-brown grass or stubble. In the middle ground, a large, dark, leafy tree stands on a slight rise. The background shows rolling hills under a sky with scattered clouds, illuminated by the warm light of the setting sun. The text "Details of Enhancements" is overlaid in white on the left side of the image.



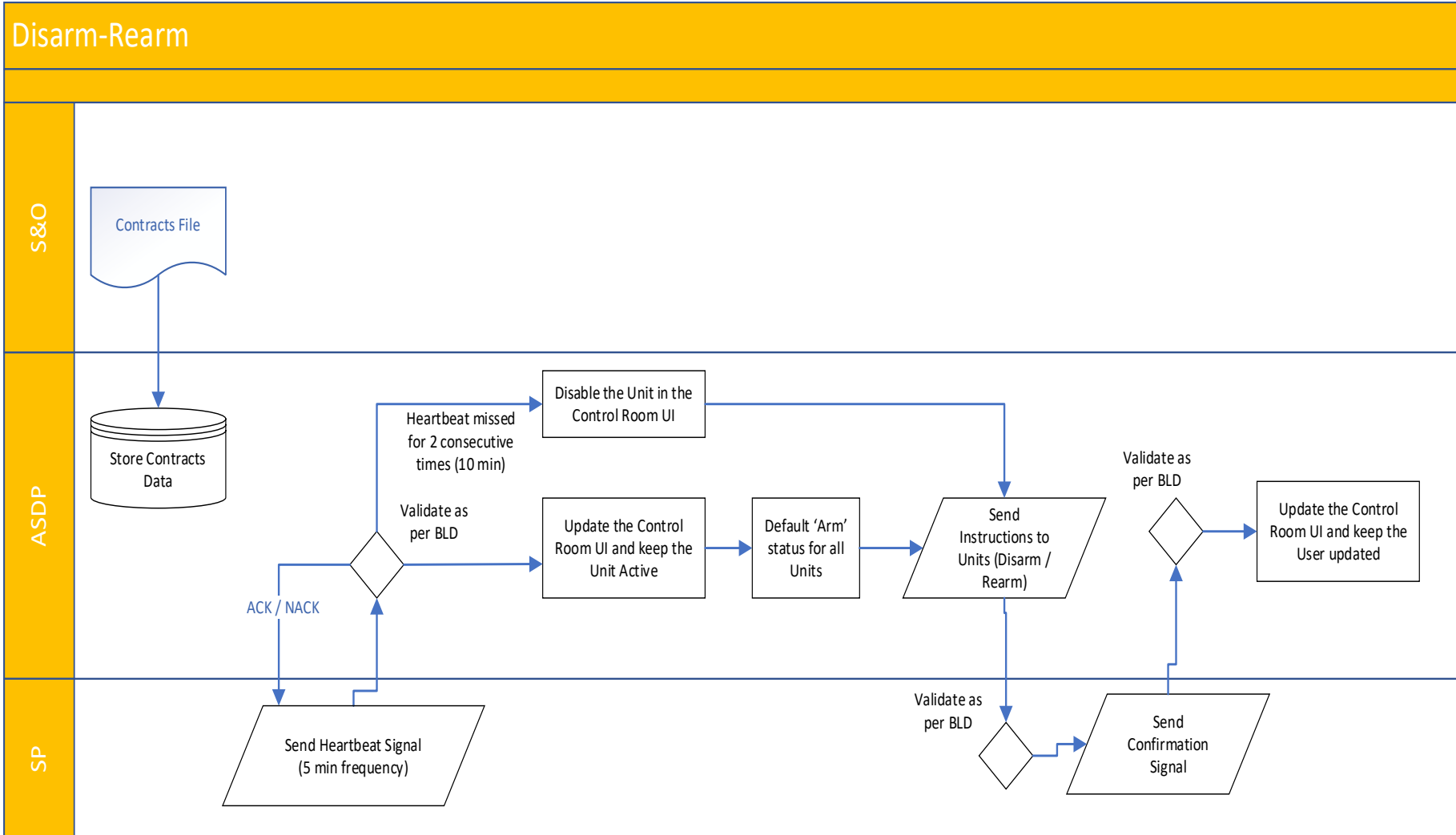
# Availability Services (Modified Service)



- This is predominately the same as for the existing service
- Partial availability declarations will be possible of any MW value from 0 to the contracted availability
- Availability declarations should only be made by exception

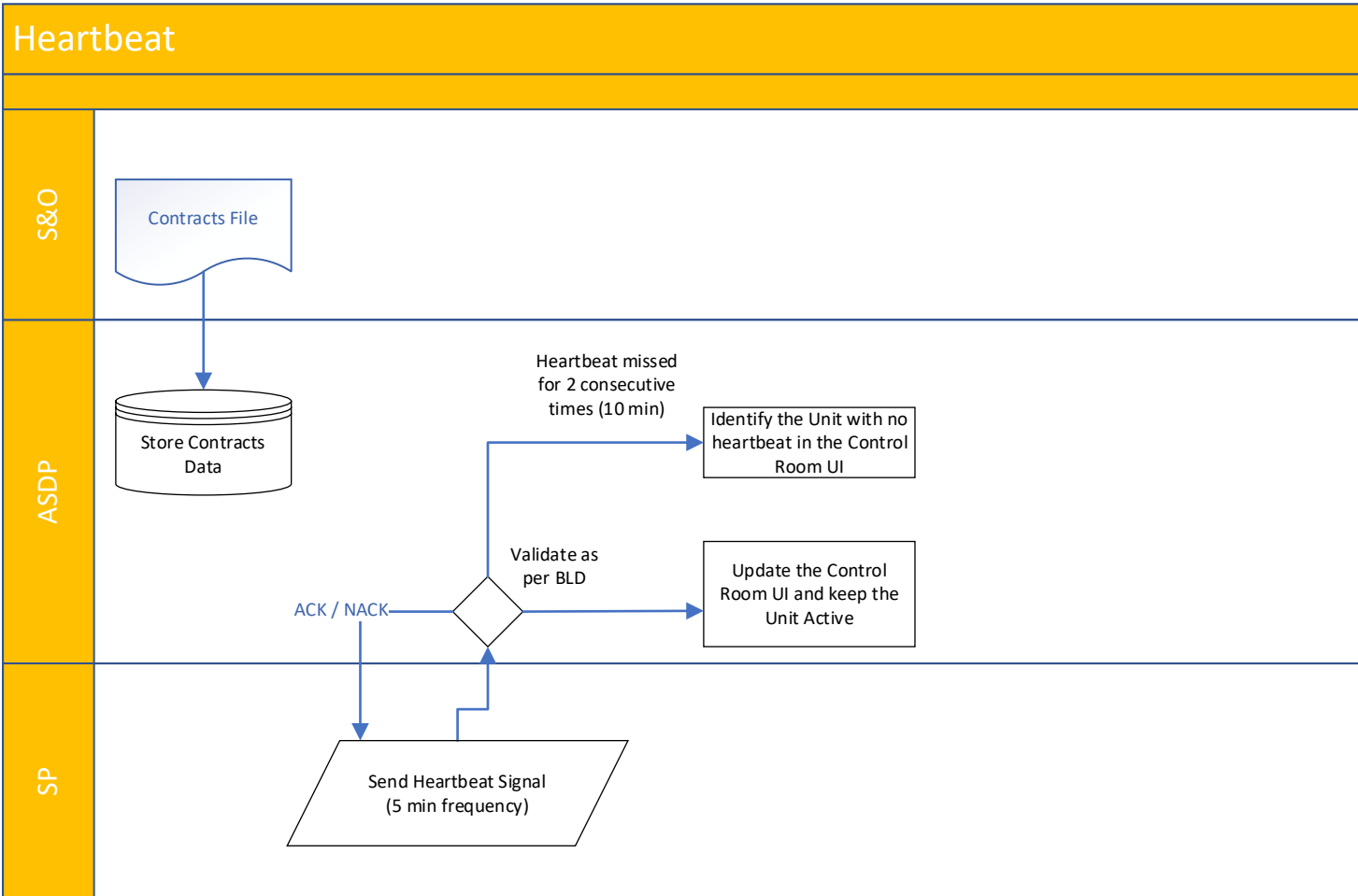


# Disarm / Rearm Services



- All units are armed by default
- A Disarm/Arm instruction may be sent by the control room at any time to any contracted service provider
- Service providers can only reject if the request format is invalid
- After a disarm/ rearm instruction, the service providers should remain disarmed / rearmed until explicitly re-instructed irrespective of EFA block

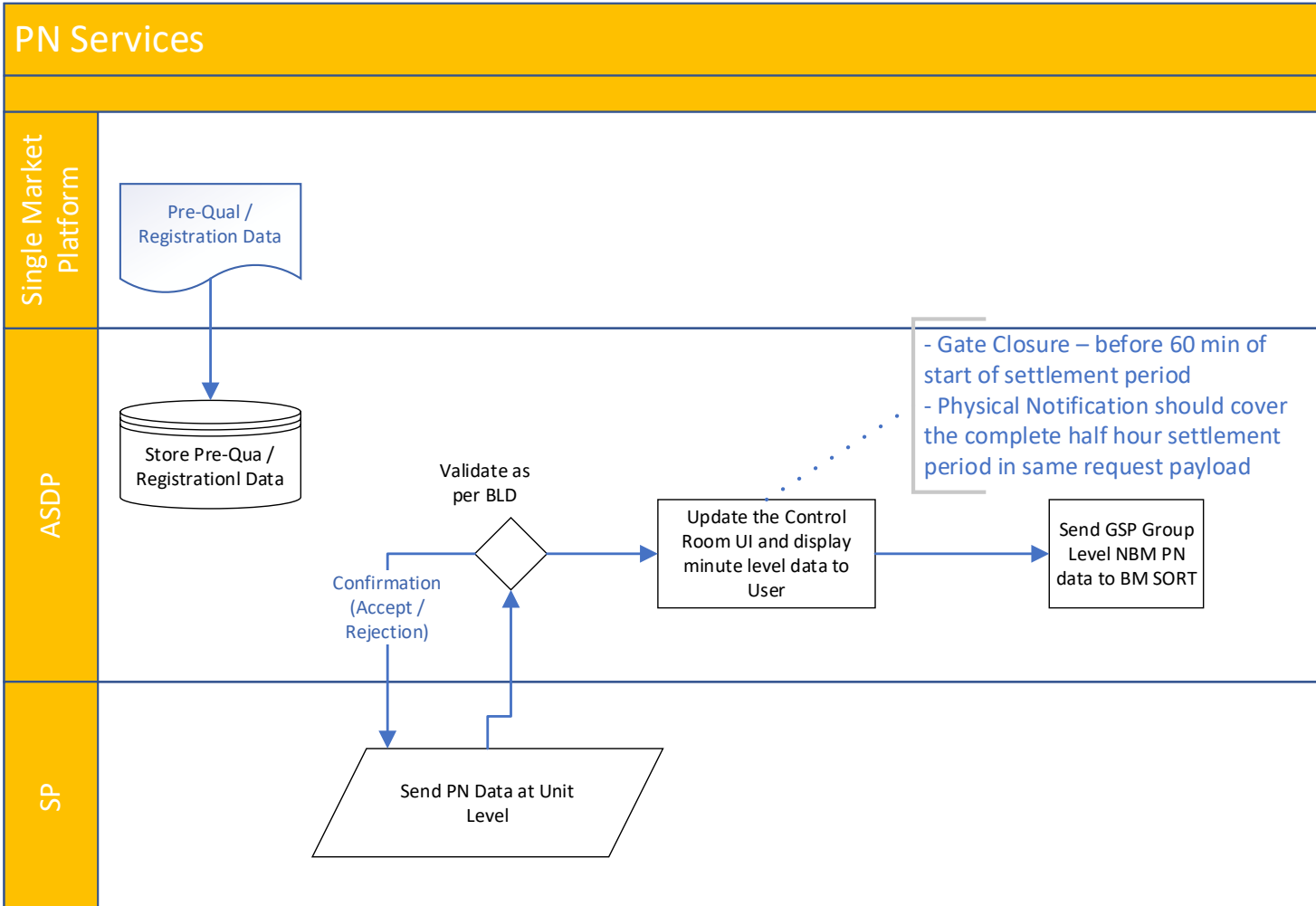
# Heartbeat Signal



- A heartbeat signal is expected only for those units which are contracted for any EFA block for an operational day.
- A unit will be considered unavailable if there is no heartbeat signal for two consecutive repetitions (i.e. 10 min). A NACK will be generated.



# Physical Notification (PN) Services



- Units need not be contracted for sending PN data
- PN data to be sent at Unit level
- PN data will be accepted for current D-day till D+5 day
- PN data will not be accepted after Gate Closure for that Settlement Period
- Gate Closure is at least 60 min before the start of the Settlement Period
- PN (re)declarations can contain values for multiple settlement periods of an operational day
- A zero-ing algorithm is used to fill the gaps where a service provider has not declared the PN

# Technical Rules

## Technical Rules

- 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



# Readiness Testing





# ASDP Readiness Testing

Service to be Tested	Market Participant Tests before Onboarding	Duration (per SP – working days)
Whitelisting of IP / URLs **	Cloudflare and Verizon	5 – 7 days
Availabilities	Static Testing **	~ 1 days
	Functional Testing	~ 1 day
Disarm / Rearm	Static Testing	~ 2 days
	Functional Testing	~2 days
Heartbeat	Static Testing	~ 2 day
	Functional Testing	~1 day
PN	Static Testing	~ 2 day
	Functional Testing	~ 2 days
Total Duration (Envisaged) Post Whitelisting		~ 13 days

\*\* Only for new Service Providers



# Next Steps

- This webinar is being recorded and will be placed on the NGESO website for others to view
- A set of FAQs will be compiled and placed on the NGESO website
- We look forwards to hearing from our providers about their timeline for testing so that we can ensure our testing resources are ready at the right time

# Q&A

Please submit your questions via Teams chat

If you have further questions or feedback, please send them to:  
[box.futureofbalancingservices@nationalgrideso.com](mailto:box.futureofbalancingservices@nationalgrideso.com)