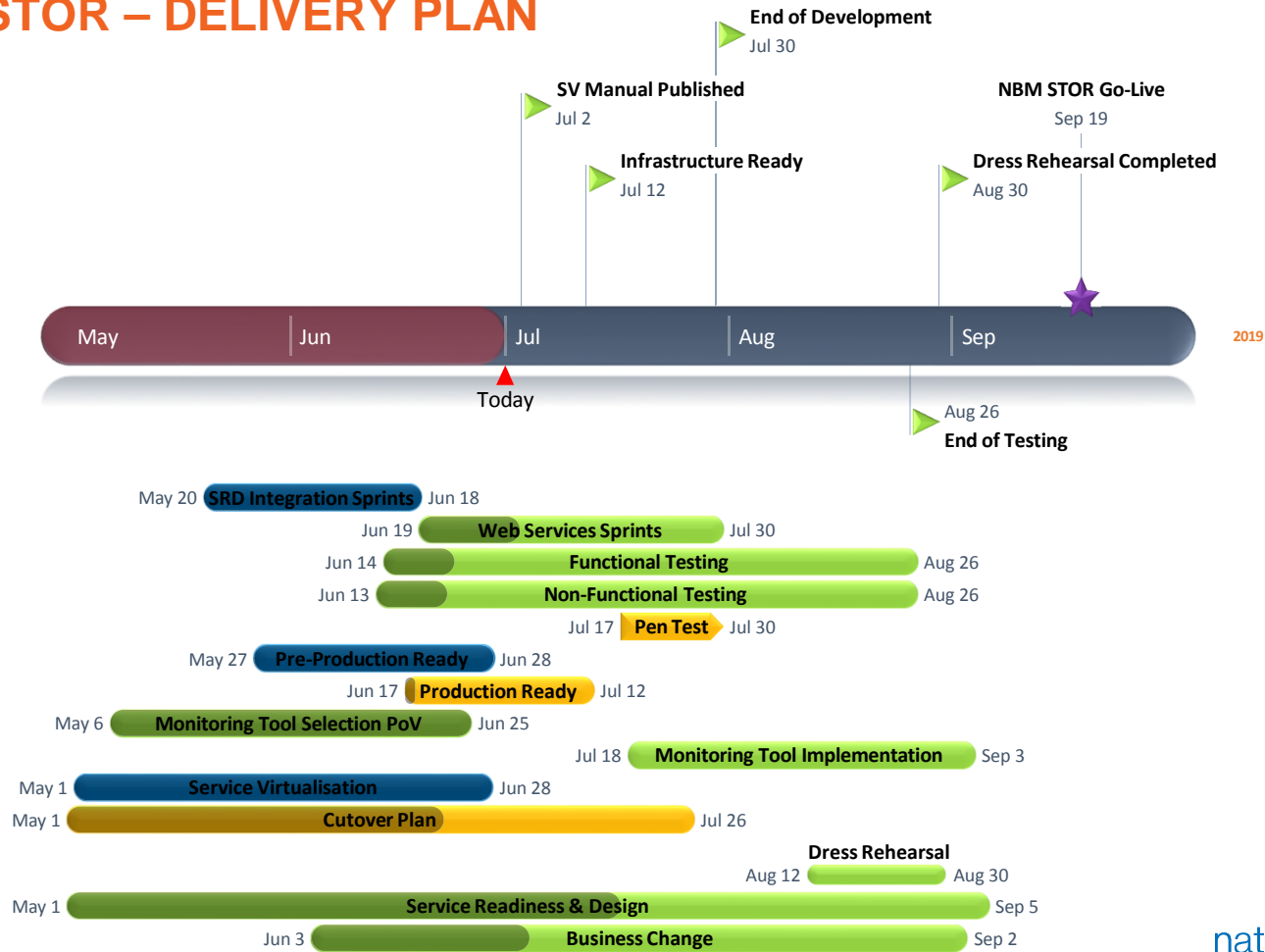


# Agenda

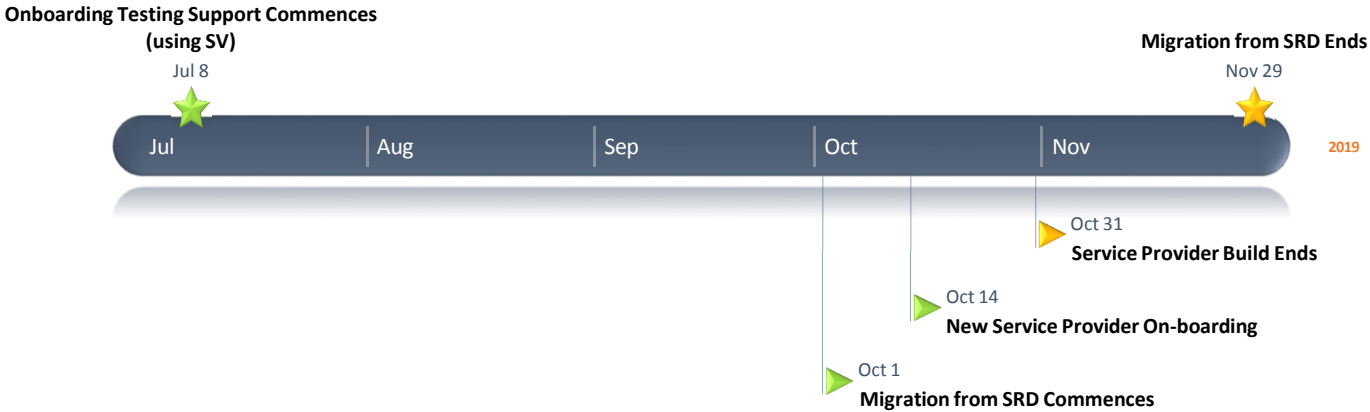
## Platform for Ancillary Services (PAS) Update

- Introduction
- STOR Update
- Migration Milestones
- Tools for Migration & Onboarding
- Market Participant Testing
- EBGL
- Q&A

# STOR – DELIVERY PLAN



# SRD MIGRATION & ONBOARDING – MILESTONES



# Service Virtualisation – An Overview

## What is Service virtualisation?

- Service Virtualization mimics or simulates behaviors of software components that are unavailable or difficult to access while testing.

## Why Service virtualisation?

- Service Provider's need to wait till PAS has completed their development to test their system. This introduces risk to Service Provider's ability to be onboarded onto PAS especially if there are issues to be resolved at the Service Provider's end as part of Marker Participant Testing.

## Mocking (Stubbing) Vs Service Virtualisation

- With Stubbing, developers must go through complicated act of creating new interfaces and writing code to emulate software systems. API virtualization on the other hand is much simpler to setup and does not require extensive code writing.
- API virtualization provides a much more realistic, full function simulated environment that's far more robust than simple mocking.

## Benefits of Service virtualisation

- **Early Visibility** – Service Provider's will be able to test their system during their development phase and as part of their formal testing without accessing PAS. The virtualized environment will be available 24x7 for the Service Provider.
- **Reduces Formal Testing duration** – The PAS team will be able to review testing by the Service Provider and then reduce the extent of testing that it does with the Service Provider. This will help Service Provider's who have proven their system to be successful in the virtualized environment to be onboarded or migrated from SRD sooner than currently possible.
- **No additional set-up** – The Service Provider will not need to do any further set up other than following simple instructions in the manual to be published. The manual will also contain the tests that have been set up in the virtualized environment.

# STOR GUIDANCE DOCUMENT

## **What is a Guidance Document**

- The Guidance document contains key STOR information that service providers need to be aware of when designing their systems and or processes e.g. Special Days

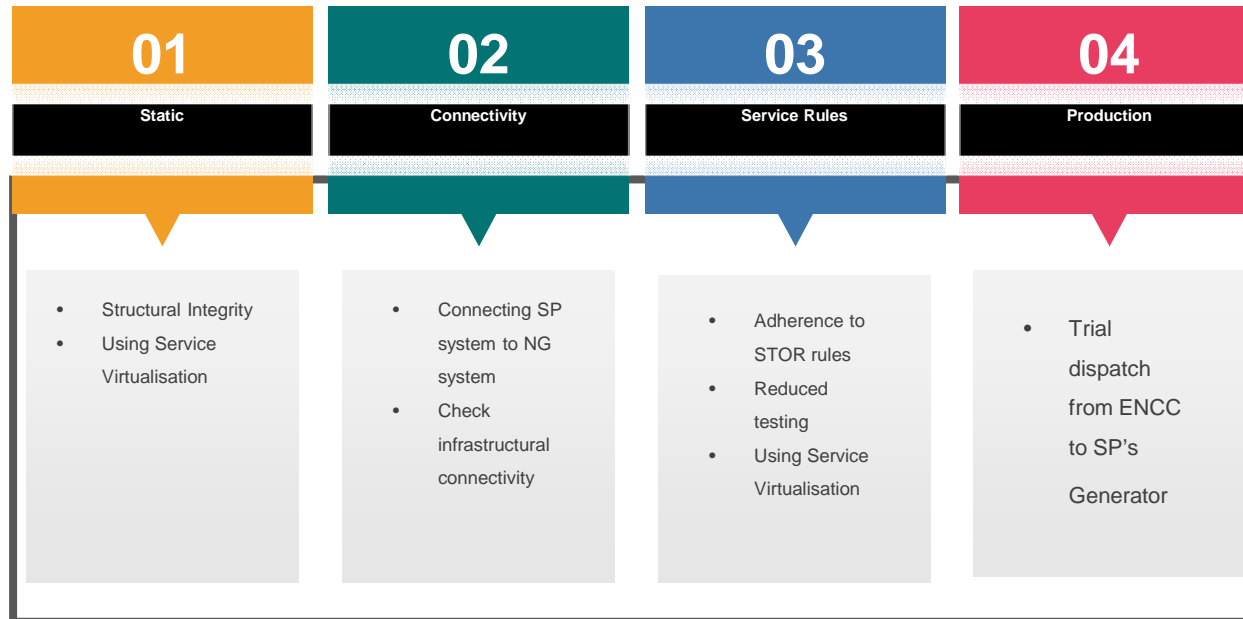
## **Why is a Guidance Document required**

- To help both ESO and Service Provider remain compliant with the terms of the contracts

## **When will this document be released**

- Mid-July 2019

## MARKET PARTICIPANT TESTING



# EBGL

## What is EBGL and when does it come into force?

EBGL is a set of codes mandated on TSO's, initially it will impact STOR from December 2019, and will impact into other services from 2021

What	SP Impact (PAS)	Description
Pre Qualification	No Impact	<ul style="list-style-type: none"> <li>Evaluation of prospective providers before tender/bid</li> <li>Single prescribed process with set deadlines</li> <li>Re-evaluation every 5 years and where the provider's equipment has changed</li> </ul>
Optional Bids	Optional Impact	<ul style="list-style-type: none"> <li>Ability for providers <b>without</b> a STOR contract to submit energy bids</li> <li>New Dynamic Web-service needed to replicate 'Contract Data'</li> </ul>
Mandatory Bids	Impact**	<ul style="list-style-type: none"> <li>Contracts to exclude Utilisation prices inc optional prices</li> <li>SP need the ability to submit Utilisation prices</li> </ul>
Transfers	No Impact	<ul style="list-style-type: none"> <li>Alternative provider must be prequalified</li> <li>Transfer can't endanger operational security</li> <li>Transfer can't exceed operational limits</li> </ul>