PENS

Proof Of Concept

NM B2B Web Services – Testing the VPN

Context

- Today, the ANSPs use NM B2B Web Services over the public internet.

- Some ANSPs requested to have the option to use PENS in order to benefit from a transport infrastructure with a guaranteed service level.

- This connectivity option is currently being investigated

Approach

- Two streams will test the current B2B connectivity
    1. <u>Theoretical validation</u>: Enable testing of the current infrastructure and applying optimizations within NM. (simulations)
    2. <u>Practical validation</u>: Enable ANSPs to test the current B2B* services over their individual VPN connection.

*Refers NM B2B Web Services connecting to the **PreOPS B2B** system

Setup

- ANSPs need to foresee their own testing infrastructure.

- This means a **dedicated test** client B2B system (A1-A2 in the picture below).

- NM will provide the technical means for allowing pre-OPS B2B Test traffic. (= opening the line up to A3: ANSP BB router in picture below)

POC Infrastructure B :MUAC ANSP Back-end to B2B PRE-OPS connectivity
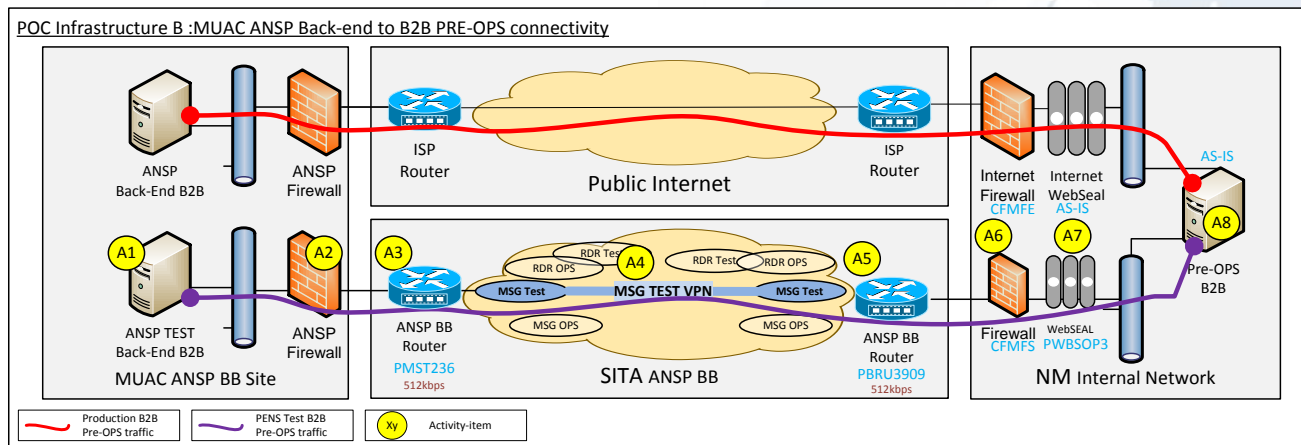
Input

- The tests will allow the ANSPs to get acquainted with this new and future connectivity option.

- The POC team will regularly check in with you for your experiences/feedback.

- This will help us in better defining ANSP needs and our current constraints as well as understand if this connectivity type is fit for purpose.
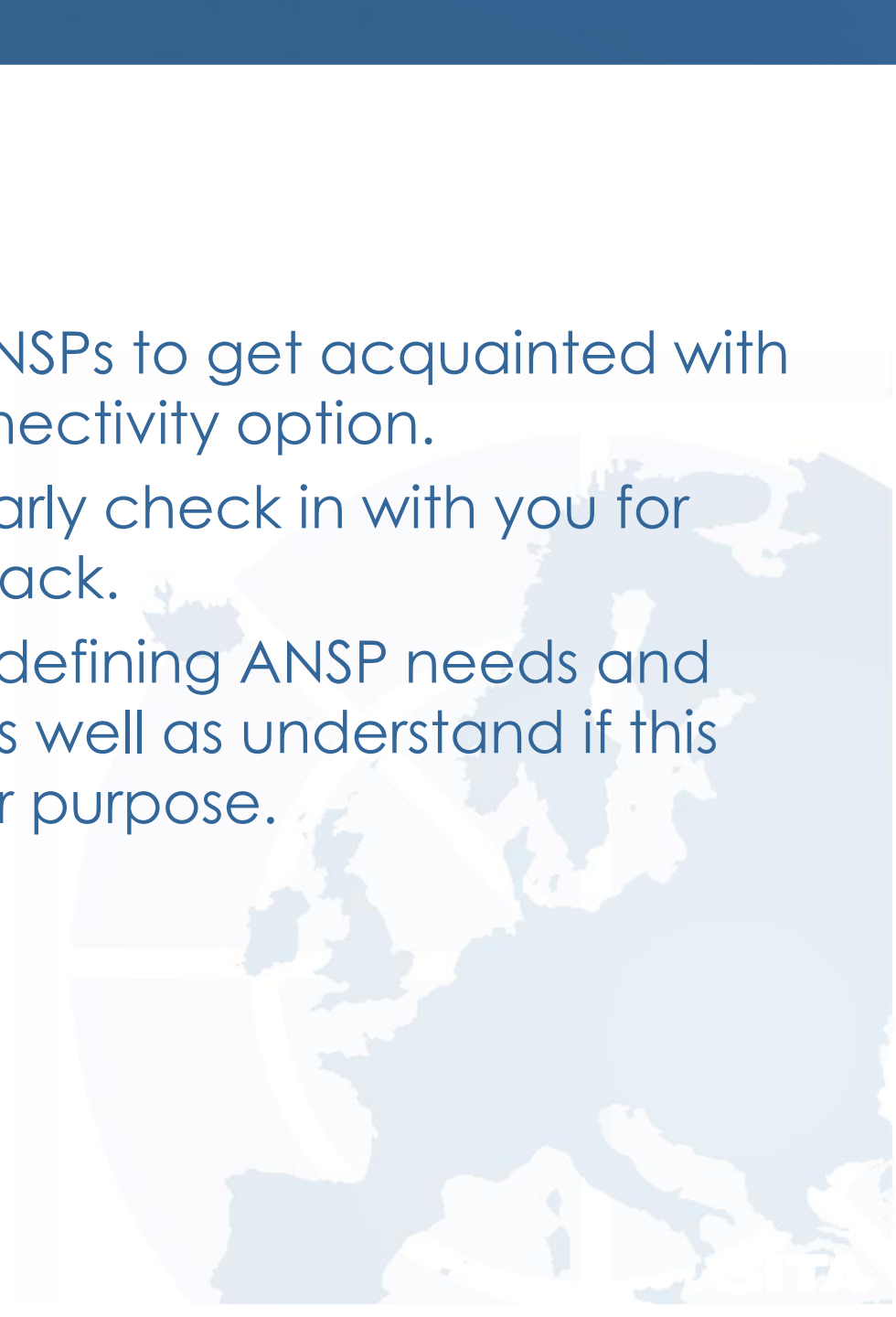
Warranty

- The ANSP BackBone Messaging Test VPN will be used.

- This has technical constraints in term of capacity.

- NM currently does not commit in supporting any functionality or connectivity beyond the ANSP BB router.

- Optimizations may or may not be deployed during your tests.

- An mailbox will be made available for queries with best effort treatment by the POC team.

Constraints

- Traffic will be categorized as D3 for QoS prioritization purposes.

- The overall MSG Test VPN bandwidth is not subject to change at this stage of the POC. (rated at max. 512kbs on NM side)

- Any modification to ANSPs individual VPN bandwidth will be subject to change management process.

- Only non operational usage is allowed within the POC. Any other use than testing B2B Pre-OPS over the VPN connection is prohibited.

- ANSPs remain responsible for the safety and security of their own internal systems.

Planning

- Concurrent with our internal test we wish to deploy the connectivity option with you:
    - Deployment can start as of mid june
- The testing phase is scheduled to run for a limited time. (currently end of Q3 2016)
- After this time the connectivity option will be decommissioned.