



# Rough Order Magnitude (ROM) Request

Change Reference Number: 5094

Please send completed form to: <mailto:box.xoserve.portfoliooffice@xoserve.com>

Section A: Change Details	
Change Title	Modification 0701: Aligning Capacity booking under the UNC and arrangements set out in relevant NExAs
Will the Change impact the UNC ( YES / NO )	Yes
MOD Reference (if raised)	<a href="#">Modification 0701</a>
Contact Details of Person Requesting the ROM	
Contact Name	Helen Chandler / Joanna Ferguson / Tracey Saunders
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Section B: Xoserve Acknowledgement and Business Analyst Contact Details	
<i>(Xoserve CIO Office will add)</i>	
ROM Received Date	30/01/2020
ROM Response date	21/02/2020
Business Analyst Name	Neil Morgan
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Business Analyst Phone	



# Rough Order Magnitude (ROM) Response

## Type of ROM Evaluation

Modification 0701 seeks to improve visibility where a consumer has entered into a bilateral Network Exit Agreement (NExA) with the relevant Transporter, and to link capacity increases with the NExA so that the allowed capacity does not exceed the capacity as agreed in the NExA.

This ROM request looks to understand the system impact and efforts around holding additional data in UK Link against NExA sites, plus creating logic to prevent the NExA SOQ being exceeded.

## ROM for Code-Modification

### The Proposed Change

(Xoserve's understanding of the Modification)

Provide a view and high-level costs to enhance what is currently held in UK Link against NExA sites and apply logic to prevent or notify parties where NExA values are exceeded.

The following high-level requirements need to be assessed:

1. Enhance what is currently held in UK Link against NExA sites to include:
  - a. NExA SOQ
  - b. NExA SHQ
  - c. Maintain a history of NExA effective to and from date (inclusive of future dates)
2. Conduct a data migration for every NExA site to add the additional NExA information to UK Link (and subsequently DES). For every NExA site, we will be required to check that the current PMSOQ is lower than or equal to the NExA SOQ value and correct the PMSOQ for any NExA sites which have a greater PMSOQ than the provided NExA SOQ value. To correct it, we must set the PMSOQ at the NExA SOQ.
3. New or enhanced screen to load and update the new NExA information in UK Link. *Please note this screen will be for internal use only and the update will be made by Xoserve internal business users*
4. Enhance what is currently displayed in DES against the Network Exit Agreement Indicator. Adding new values to DES; **NExA SOQ, NExA SHQ and the NExA effective to and from date**. These data items would need be populated where the NExA flag in DES is Y and should be fed from the information we hold in UK Link against the NExA site.
5. The PMSOQ for Class 1 and 2 sites will not be able to exceed the Supply Point Capacity (SOQ) quoted in the NExA. The PMSOQ should be capped at the NExA SOQ (it should not be able to increase above the NExA SOQ)
6. For Class 1 and 2 sites, any requests to change existing System capacity made by the Shipper shall not, where a relevant NExA exists, exceed the DM Supply Point Capacity (SOQ) and the Supply Point Offtake Rate (SHQ) set out in the NEXA.
  - a. For any Product Class which has a valid NExA in place (which is recorded in UK Link) and where a Shipper requests a change to existing Capacity, this must always be subject to the Supply Point Nomination referral and sent to the relevant Transporter

*The only validation on a Nomination will be checking if there is a NEXA in place and referring it to the relevant Transporter*

***We believe this automatic referral for any site which has a NEXA is current system logic.***

- b. Where the Transporter approves the Capacity request at Nomination referral, when the Nomination is Confirmed by the Shipper (can be up to 6 months from the Nomination acceptance), the CDSP must validate the date in the Confirmation for the Capacity request against the NEXA information to accept or reject. If the effective of the Confirmation is not within the effective date set out within the NEXA, the Confirmation will be rejected
7. For a Class 1 and 2 Supply Points the System Capacity shall not ratchet above the daily offtake rate set out in the NEXA.
    - a. If a site with a relevant NEXA ratchets above the NEXA SOQ, the booked SOQ should not increase to the ratcheted value (above the NEXA SOQ) but the ratchet charge should still be applied.

***Please note, this should be as per current system logic if requirement 5 is met and the PMSOQ can never exceed the NEXA SOQ.***

8. For Class 3 and 4 Supply Points: Create a process by which the relevant Transporter is notified of any SOQ changes as part of Rolling AQ which come within a defined % of the SOQ set out in the NEXA.
  - a. Changes required to DDP Dashboards for DNs to include the additional NEXA fields
  - b. Prompt functionality in Birst tool required to send emails to relevant Transporters to notify them of Class 3 and 4 sites which come under this criteria

**To confirm, this requirement does not require assessment by the ME Team as it will be delivered by the Data Office.**

## Change Impacts

### General Impacts to Xoserve and External Parties:

#### SAP ISU Impacts:

- NEXA table will be enhanced to store SHQ information.
- New fields to be configured to hold the PMSOQ value
- Data cleanse to update NEXA SOQ to make it in line with PMSOQ.
- ZSMP screen will be changed to update NEXA SOQ value for LDZ sites
- NOM, SPC, CNF validations will be changed to validate the SOQ change requests against NEXA SOQ for LDZ sites.
- Enhancements would be required in Ratchet process to validate against defined PMSOQ for NEXA sites

#### SAP BW Impacts

- Update the extractor jobs to include the additional NEXA information

### External Interface Impacts (Changes to Screens, Portals, Files, Permitted Values, etc.)

#### DES Impacts

- Update the DES Screen to enable the following information to be displayed
  - NEXa SOQ
  - NEXa SHQ
  - NEXa Effective From Date
  - NEXa Effective To Date

### Impacts to Gemini System:

No impacts Identified

### Impacts UKL Manual Appendix 5b:

Potential updates to the UK Link Code Communications Reference Document to state new communications between the Transporters and the CDSP to provide NExA information plus notifications from the CDSP to the Transporters to confirm when an AQ has breached the NExA AQ

### DSC Service Areas Impacted:

Expected Service Area is:

Service Area 11: NExA Supply Meter Points if a Change Proposal is raised, this will need to be confirmed by agreed by the proposer.

Note: DSC Change Management Committee will resolve any difference between the funding split implied by the above and the benefit split of the proposed change.

### Costs and Timescales

#### Change Costs (implementation):

An enduring solution for the UK Link changes will cost at least **£66,000**, but probably not more than **£115,500** to implement.

In relation to the DDP change specifically (requirement 8), an enduring solution will cost at least **£18,000** but probably not more than **£35,000** to implement. Please note, the DDP cost is not reflected within the UK Link cost.

*Please note, the costs provided are an estimate for UK Link functional changes only. This does not include costs for AMT changes or testing (if applicable).*

#### Change Costs (on-going):

The ongoing cost impacts cannot be provided at the time of delivering the ROM Response

#### Timescales:

The high-level estimate to develop and deliver this change is approximately **20** weeks and includes **3** weeks of Post Implementation Support

The high-level estimate to develop and deliver the DDP change specifically is approximately **11** weeks and includes **2** weeks of Post Implementation Support

*For the avoidance of doubt, this change would require delivery within a Major Release*

#### Assumptions:

- Any changes in the approach to the solution may affect the overall schedule and costs for the change.
- Inclusion of any new requirement or modification of requirements will change the cost and schedule.
- Costs are high level, based on high level analysis. Detailed analysis will be needed to determine the final solution which will impact both cost and schedule.
- ROM costs have been derived based on a single resource from each functional area being required to support delivery. Any changes to this resource profile will have an impact on both cost and schedule.

#### Assumptions specifically in relation to requirement 8 (DDP solution):

- Data availability will be at D-2, outputs will not be based on a live position.
- This change must be delivered as a part of an existing sprint (i.e. this would need to be prioritised by DNs from the product backlog)
- Resources are available to support the existing development via the resources allocated to sprints
- Costs are high level, based on high level analysis. Detailed analysis is required to deliver the final solution, which may impact both effort and cost.

- Any changes to the requirements or solution delivery approach would impact the overall effort and cost for this change.
- Birst element would be included with a 6 week sprint based on prioritisation
- The NExA values are to be displayed only to the DNs on their dashboards for all customers in their portfolio (all classes)
- The changes are going to be done at the source systems and the data will flow into DDP

**Dependencies:**

- Workshops would be required to baseline a full set of requirements and to complete some initial analysis of the change prior to progressing into Delivery.

**Dependencies specifically in relation to requirement 8 DDP solution:**

- These changes would depend on an existing Sprint as prioritized by DNs
- Workshops would be required to baseline a full set of requirements and to complete some initial analysis of the change prior to progressing into Delivery
- Successful PoC of push notifications from Birst
- The data is available in BW persistent staging area (PSA)
- There is a window available to extract the data from BW into DDP
- This cannot be delivered in isolation without an increased cost, it will be need to be combined with other funded change to support a sprint team delivery.

**Constraints:**

- Resource availability to deliver this change would need to be assessed.

**Observations:**

N/A