Rough Order Magnitude (ROM) Request

Change Reference Number: XRN4680

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

Section A: Change Details	
Change Title	"Updating the parameters for the NTS Optional Commodity Charge – Introducing the NTS Optional Capacity Charge"
Will the Change impact the UNC (YES / NO)	Yes
MOD Reference (if raised)	Mod 0653: Joint Office Link
Contact Details of Person Requesting the ROM	
Contact Name	Graham Jack (Centrica)
Contact Email	graham.jack@centrica.com
Contact Phone	07979 564929

Section B: Xoserve Acknowledgement and Business Analyst Contact Details	
(Xoserve CIO Office will add)	
ROM Received Date	23/05/2018
ROM Response date	
Business Analyst Name	Karen Denne
Business Analyst Email	Karen.denne1@xoserve.com
Business Analyst Phone	0121 623 2178

Rough Order Magnitude (ROM) Response

Type of ROM Evaluation
ROM for Code-Modification

The Proposed Change
(Xoserve's understanding of the Modification)

Mod 0653 proposes to replace the existing NTS Optional Commodity Charge in Gemini with a new NTS Optional Capacity Charge, which is required to be implemented on the 1st October 2019. At high level the following charges will apply:

- The NTS Optional Capacity Reserve Charges will apply to an Applicable Quantity (Q) calculated on each gas day.
- For an applicable entry and exit point combination, the NTS Optional Capacity Reserve Charges to be levied on the Applicable Quantity will be calculated.
- Non-Transmission Services charges will not be levied on the Applicable Quantity (Q).
- Normal Transmission Services charges or Non-Transmission Services charges will apply, as appropriate, to those capacities or gas flows not covered by the Applicable Quantity (Q).
- NTS Optional Charges will not apply where either the entry or exit point is a gas storage facility. Also, an exit point can be associated with only one entry point/ASEP for the purpose of attracting NTS Optional Charges.
- It is appropriate that all gas using the NTS attracts a charge for doing so. It is therefore reasonable to apply a minimum distance limitation such that D is no less than 0.1km to ensure that the NTS Optional Capacity charges are positive numbers.

Change Impacts

General Impacts to Xoserve and External Parties:

(Please see Appendix A: Overview of UK-Link Impacted Applications and Change Complexity Heat-map (initial assessment))

- The following SAP ISU Billing components will be impacted: DM commodity Framework; DM Rec; Pre Bill Screen report.
- A potential impact to the shorthaul set up and associated interfaces.
- Impact to SAP ISU adjustment charges and associated business process changes.
- SAP BW will need to receive new charge types.
- A potential impact to SAP ISU SPA MPRN data set up, however further analysis is required to determine true impact.
- Offline database impact. Any amendments to Entry Commodity and Optional Tariff invoices will also require a modification to shipper shorthaul rebate charges here.
- Changes to the Entry/Exit Capacity and Commodity charge calculation processes.
- Introduction of the new charge type codes.

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

- Changes to existing Gemini screens and reports for the introduction of new charge type.
- Creation of new screens to input the parameters for calculating the optional capacity charges.
- A new interface or modification to an existing interface will be required in order to provide Gemini with the data required to perform the new charge calculations. Impacting the following file transfer elements:

AMT; SAP PO; EFT; IX.
- File format will be impacted to allow for the new charge type or invoice type.

Impacts to Gemini System:

- Changes to the Entry/Exit Capacity and Commodity charge calculation processes.
- Introduction of the new charge type codes, new price keys, new rates and new rate types relating to entry and exit capacity charges.
- Creation of batch jobs to calculate the Applicable quantity (Q), and the optional Entry capacity charge and optional exit capacity charge.
- Modification of the existing batch jobs (Entry capacity, Exit capacity and Entry Commodity) to exclude the Applicable Quantity (Q) from the Non-transmission service charges.
- Configuration changes for the entry commodity charge calculation batch jobs in case of decommissioning the short-haul rebate charges and short haul rebate adjustment charge processes.
- Termination of Shorthaul rebate charge (ROC) and shorthaul adjustment charge (AOC).
- New Gemini screens and invoice validation reports.

Impacts UKL Manual Appendix 5b:

To be assessed.

DSC Service Areas Impacted:

Service Area 7: NTS Capacity, LDZ Capacity, Commodity, Reconciliation, Ad-hoc adjustment and balancing invoices.

Note: The DSC Change 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 will cost at least **£380,000**, but probably not more than **£530,000** to implement.

Change Costs (on-going):

The On-going cost impacts cannot be provided at the time of delivering this ROM response. Mod0653 requires further development to determine any potential on-going costs. See assumptions section.

Timescales:

The high level estimate to develop and deliver this change is approximately 45 weeks. Mod0653 (if approved by OFGEM) would need to be prioritised though the Change Management Committee along with other industry changes within Xoserve's planned release programme.

Assumptions:

- Costs are high level, based on high level analysis, detailed analysis is required to deliver the final solution, and this may impact the effort and cost.
- NTS commodity charge will either be removed or modified within Gemini.
- All Interface costs, including AMT, are not included within costs of this ROM response.
- Any transitional period/issues costs are out of scope of the ROM response.
- The Project will not require an additional Gemini environment.
- No external reports requested therefore none required.
- Joint testing between NG and Xoserve.
- All ongoing IT service and business operations costs are not included within costs of this ROM response. Mod0653 business rules require further development to understand the scope of the enduring requirements for CDSP support.

Dependencies:

- Solution and approach to Mod 0653 will need to be reviewed if Mod 0621 is approved because there will be an impact to the solution.
- Mod 0621 environments can also be utilised for Mod 0653 development.
- Capacity charge data source from National Grid (NG) to perform the new calculations.
- NG resource availability.
- Detailed workshops will be required for detailed requirements and analysis to deliver the final solution for this change.
- Mod0653 business rules are sufficiently developed and agreed in order for the CDSP to deliver a robust solution.

Constraints:

- Availability of resources to deliver the change.
- Ofgem approval of Mod 0653 and Mod 0621 (interaction) and timing for delivery of solution.
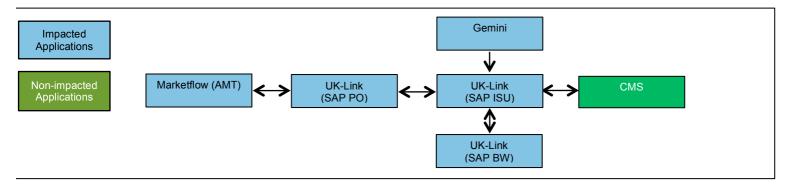
Observations:

- None.

Document Version History

Version	Status	Date	Author(s)	Summary of Changes
V0.1	Draft	20/06/18	Karen Denne	Draft version of the response
V0.2	For review	21/06/18	Karen Denne	Updated the blank sections, formatting, and edited details already populated.
V0.3	For Approval	27/06/18	Karen Denne	Updated with comments from review cycle
V1.0	Approved	28/06/2018	Karen Denne	Approved by Linda Whitcroft, (Head of Customer Change)

Template Version History

Version	Status	Date	Author(s)	Summary of Changes
1.0	For Approval	22/05/18	Steve Ganney	Minor changes implemented

Appendix A: Overview of UK-Link Impacted Applications and Change Complexity Heat-map (initial assessment)

Change Complexity Heat-map – Initial assessment:

Impacted Systems	End User Impacted?	New / existing build?	High level description of system change impact	Complexity						
				Requirement Clarity	Change Complexity	Integration Complexity	Test Data Prep Complexity	Test Execution	Regression Testing Impact	Performance Impacts
Gemini	Xoserve/ Shippers	New and existing	**Entry, Exit Capacity, Commodity**; **New:** charge types, batch jobs, screens, interface, charge calculations, adjustments **Amend:** existing batch jobs, screens, reports, potential decommission shorthaul rebate (and rebate adjustment)	🟧 Amber	🟥 Red	🟥 Red	🟥 Red	🟥 Red	🟥 Red	🟥 Red
UK-Link SAP ISU	Xoserve/ Shippers	existing	Mass Billing Framework, DM Commodity Framework, DM Rec, Pre-Bill Screen/Reports, D360 database	🟧 Amber	🟥 Red	🟥 Red	🟥 Red	🟥 Red	🟥 Red	🟥 Red
UK-Link AMT/PO	Xoserve/ Shippers	New and existing	New invoicing/charge types	🟧 Amber	🟧 Amber	🟧 Amber	🟧 Amber	🟧 Amber	🟧 Amber	🟧 Amber
UK-Link SAP BW	Xoserve/ Shippers	New and existing	New/changes to BW Reporting requirements	🟧 Amber	🟩 Green	🟩 Green	🟩 Green	🟩 Green	🟩 Green	🟩 Green

Key:

Green	Complexity of change is deemed to be low	
Amber	Complexity of change is deemed to be medium	Confirmation of change complexity will be subject to further detailed analysis
Red	Complex and/or significant change impacts	