



Rough Order Magnitude (ROM) Request

Change Reference Number: **(5425)**

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

Section A: Change Details	
Change Title	Transmission Services Entry Flow Based Charge
Will the Change impact the UNC (YES / NO)	Yes
MOD Reference (if raised)	Not yet raised
Contact Details of Person Requesting the ROM	
Contact Name	Laura Johnson
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Contact Phone	07970 842 400
Section B: Xoserve Acknowledgement and Business Analyst Contact Details	
<i>(Xoserve CIO Office will add)</i>	
ROM Received Date	09/09/21
ROM Response date	TBC
Business Analyst Name	Hannah Reddy
Business Analyst Email	Hannah.reddy@correla.com
Business Analyst Phone	+441212292226

Rough Order Magnitude (ROM) Response

Type of ROM Evaluation
<p><i>ROM for Code-Modification</i></p> <p>A new Entry Transmission Services flow based charge – Modification will be raised in due course.</p> <p>Overview of the Modification proposal:</p> <ul style="list-style-type: none"> Charge to be levied on all Entry flows with the potential exceptions of the following 3 options: <ol style="list-style-type: none"> Interconnection Points full exemption Interconnection Points and Storage Points both with full exemption Interconnection Points full exemption and Storage Points with a discount on the charge to match the Entry Transmission Service Capacity discount percentage for Storage (currently 80% discount) The charge could be changed within Gas Year with sufficient notice. If there is an amendment to the Entry flows then the charges would need to be adjusted. <p>There is no impact on Transmission Services Exit Charges or General Non-Transmission Services Charges.</p>
The Proposed Change
(Xoserve' s understanding of the Modification)
The modification is seeking to introduce a new charge based on flows through Entry points into the NTS. This may or may not apply at all Entry points.
Change Impacts
<p>General Impacts to Xoserve and External Parties:</p> <ol style="list-style-type: none"> A new Entry Transmission Services flow based charge is required to be calculated in the Gemini System using the Entry flows and Charge rate defined by National Grid and to be aligned to the percentage discount applied on the Transmission Services capacity charges The charge calculation is required to be parameterised in the Gemini system for the below options <ol style="list-style-type: none"> Interconnection Points Interconnection Points and Storage Points Interconnection Points and Storage Points with a discount on the charge to match the Entry Transmission Service Capacity discount percentage for Storage Gemini system should have the flexibility to adjust the primary charge in the event of any amendments to the Entry flow
<p>External Interface Impacts (Changes to Screens, Portals, Files, Permitted Values, etc.)</p> <p>New Charge tables may have to be flown to SAP BW</p>
<p>Impacts to Gemini System:</p>

Prices Upload for charge calculation

- 1) Introduce new functionality to facilitate National Grid to Upload/Modify/download the prices at an ASEP level into the Gemini System

Entry Transmission Services flow based charge calculation

- 1) New Primary and Adjustment Charge types to create the flow-based charges at ASEP Locations
- 2) New Automated batch process to create the primary and adjustment charges after the closeouts (M+16)
 - a) Parameterisation to exclude the below options
 - (1) Interconnection Points
 - (2) Interconnection Points and Storage Points
 - (3) Interconnection Points and Storage Points with a discount on the charge to match the Entry
 - b) Identify the shippers eligible for Shorthaul discounts at ASEP locations
 - c) Apply the Transmission Service discount percentage on the rate for each eligible route at an ASEP
 - d) Calculate all the Entry flows per ASEP per shipper by aggregating the flows associated to the below meter types for a month

Meter Type	Meter Type Description
BL	BOIL OFF
BN	NTS BOIL OFF
OS	ONSHORE FIELD
SE	ENTRY METER - STORAGE
ST	SUB TERMINAL

- e) Calculate the primary charges using the calculated Entry flows and the price derived as below:
 - i) Defined price by National Grid for ASEPs not having Shorthaul discounts (routes)
 - ii) Discounted rate for ASEPs having Shorthaul discount for each eligible route at an ASEP
- f) Create adjustments in event of any amendments to the Entry flows
- g) The new primary and adjustment charges will be issued within the NTE invoice at M+2
- h) Potential file format changes to the NTE invoice to accommodate the new charge types

Reporting

Introduce new Entry Transmission Services flow based charge report for Internal Invoicing users

Impacts UKL Manual Appendix 5b:

Appendix B of the UK LINK Communications Document UKLCD1 Code Communications Reference – updates may be needed.

DSC Service Areas Impacted:

Service Area 14: Gemini Services

Note: 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):

Option 1 – Delivery timescale with 3 weeks PIS

An enduring solution will cost at least **£210,000**, but probably not more than **£260,000** to implement.

Option 2 – Delivery timescale with 8 weeks PIS

An enduring solution will cost at least **£230,000**, but probably not more than **£280,000** to implement.

Change Costs (on-going):

The change is not expected to increase ongoing running costs.

Timescales:

This change would need to be prioritised through the Change Management Committee alongside other changes within Xoserve's planned Gemini programme.

Please note a lead time of 3 months for startup/sanction/mobilisation should be considered though there is the potential for this to be shortened subject to the delivery mechanism and availability of resources.

Option 1 – Delivery timescale with 3 weeks PIS

The high-level estimate to develop and deliver this change is approximately 14 to 16 weeks for Analysis through to Post Implementation Support.

Option 2 – Delivery timescale with 8 weeks PIS

The high-level estimate to develop and deliver this change is approximately 19 to 21 weeks for Analysis through to Post Implementation Support.

Assumptions:

1. The 'IB' Meter type and Interconnector points are exempted from the charge calculation.
2. National Grid will provide the prices to calculate the Entry Transmission Services flow based charge.
3. The discounted rate will be applied on the aggregated Entry flows for an ASEP having eligible Shorthaul discounts.
4. There is no requirement to calculate the equivalent charge at Exit locations.
5. Option 2 is for a delivery timeframe where PIS is considered for 8 weeks in order to cover the first usage of both Primary and Adjustment charge calculations.
6. Connected testing with UK link and NGIT is not required, the files will be shared during the ST and UAT phases.
7. The SOP's and LWI's will be updated by the relevant business.
8. There will be joint testing between National Grid and Correla.
9. This ROM assumes the solution will be delivered as a standalone project.
10. This ROM is based on the Gemini functionality currently in Production and does not consider any functional changes being introduced by inflight projects.
11. Change can be delivered using environments from the existing Gemini test estate.
12. Costs are high level, based on high level analysis and assumed requirements.

Dependencies:

- Availability of National Grid business resources to support delivery.
- Implementation of the change is dependent on timely approval of the associated UNC modification.

Constraints:

None identified

Observations:

None identified

Document Version History

Version	Status	Date	Author(s)	Summary of Changes

Template Version History

Version	Status	Date	Author(s)	Summary of Changes
2.0	Approved	22/05/18	Steve Ganney	Minor changes implemented