Rough Order of Magnitude (ROM) Request and Response

1. Purpose of a ROM

The DSC CDSP Service Document – Change Management Procedure sets out the expectations of the ROM process.

> 4.6.2 Subject to paragraph 4.6.3, within 10 Business Days after receiving a ROM Request, the CDSP shall send to the Customer and the Committee a report (Rough Order of Magnitude Report or ROM Report) setting out (so far as the CDSP is able to assess at the time):
>
> (a) a high level indicative assessment of the impact of the Potential Service Change on the CDSP Service Description and on UK Link;
>
> (b) the CDSP's opinion as to whether the Potential Service Change would be a Restricted Class Change, would have an Adverse Impact on any Customer Class(es)) or would be a Priority Service Change, where applicable;
>
> (c) the CDSP's approximate estimate of:
>
> > (i) the Costs (or range of Costs, where options under paragraph (e) are identified) of Implementing the Potential Service Change;
> >
> > (ii) the impact of the Potential Service Change on Service Charges; and
> >
> > (iii) the period of time required for Implementation;
>
> (d) any material dependencies of Implementation on other Proposed Service Changes or other likely Priority Questions; and
>
> (e) if it is apparent to the CDSP that there are likely to be materially different options as to how to Implement the Potential Service Change, a high level description of such options.

2. ROM Request

Please populate the details below and send to box.xoserve.portfoliooffice@xoserve.com, to enable the CDSP to undertake the impact assessment to provide the ROM Response (section below).

Please note, the ROM requestor may be asked for further details if it is believed that request is not clear and additional information is required in order to provide a ROM Response.

2a. ROM Request Details

ROM Request Details	
Change Title	Amendment to the Allocation of Entry Capacity and Flow Quantities to Qualifying CNCCD Routes
Regulatory Impact	☒ Yes ☐ No
Regulatory Reference (if applicable)	UNC Modification 0823S

Change Overview	A second version of this ROM has been raised as the previous ROM was completed on 22nd October 2022, which is now outside the 6 months lifecycle window.
	
	Please you ensure the updated ROM takes into consideration Gemini Sustain Plus and provides two delivery costs and delivery plans.
	
	    a) Legacy & Sustain Plus
	    b) Sustain Plus only
	
	The details of the change from the original ROM haven't changed.
	
	The modification proposes a change to the calculation of Eligible Quantities used in the Conditional NTS Capacity Charge Discount (CNCCD) calculation, otherwise known as shorthaul. At present, where there are two or more qualifying shorthaul routes (a route being a combination of Shipper, Entry Point & Exit Point) which share the same Shipper and Entry Point, there are rules in the code to apportion Entry Capacity, Flow, and Existing Holdings to enable calculation of the Eligible Quantity for each route, as discerned by the differing Exit Point.
	
	For use in the Eligible Quantity calculation, Code currently uses the Exit Capacity or a route as a proportion of the Exit Capacity across all the effected routes to apportion Entry Capacity & Entry Existing Holdings and uses the proportion of Exit Flow to apportion Entry Flow between routes in the same way. The proposed change instead uses a proportion calculated based on the minimum of Exit Capacity and Exit Flow. These figures are then used to apportion all elements of the Eligible Quantity calculation across effected routes. Effectively all elements, capacity or flow based, would instead be apportioned by a Utilised Capacity value.

Date Raised	Original ROM 07/10/2022 Version 2: 11/10/2023
Required Response Date	25/10/2023
Requestor Contact Details	Name:	Kirsty Appleby
	Organisation:	National Gas Transmission

	Email:	kirsty.appleby@nationalgas.com
	Number:	(0)7895 306977
Xoserve Lead Contact	Contact Name:	Hannah Reddy
	Contact Email:	Hannah.Reddy@Correla.com

3. ROM Response

The ROM response provided is based on a high-level indicative assessment of the impact of the change.

Please note, all the sections within this template should be populated when providing a ROM response.

3a. Impacted Constituency

Customer Class(es) Impacted by Change:	☒ Shipper	☐ Distribution Network Operator
	☒ NG Transmission	☐ IGT
	☐ All	☐ Other <Please provide details here>
Justification for Customer Class(es) selection	1. The Eligible Quantity calculation for the Shorthaul routes requires modification in the Gemini System which is owned by National Gas hence they are impacted. 2. The Transmission charges for each shipper at Entry and Exit points are calculated using the Eligible quantities and issued within the NTS Optional Capacity (NCI) invoice hence a change to the algorithm impacts the data being issued to shippers.	

3b. Overview of impacts

Overview of impacts	**Impacts to the Gemini System:**
	
	Eligible Quantity Calculation Batch Process: -
	
	1. The existing Eligible Quantity Primary and Adjustment Calculation requires modification for the shipper having the multiple Exit Points associated at a single-Entry Point
	    a. The ASEP Net Firm Entry Capacity Entitlement is apportioned to each of the NTS Exit Points, based on the proportion calculated using the minimum of Exit Capacity and Exit Flow
	    b. The ASEP Entry Flow is apportioned to each of the NTS Exit Point based on the proportion calculated using the minimum of Exit Capacity and Exit Flow
	    c. Existing Contracts are apportioned to each of the NTS Exit Points based on the proportion calculated using the minimum of Exit Capacity and Exit Flow
	2. The existing Transmission Service charges at Entry and Exit will be calculated based on the above derived Eligible Quantities and issued to shippers within the NTS Optional Capacity (NCI) invoice

UK Link Component Systems	Level of Impact (L/M/H)	File Format (Y/N)	Screens (Y/N)	Reporting (Y/N)	Batch Jobs (Y/N)	Validation (Y/N)	Processes (Y/N)	Other
UK Link Gemini	M	N	N	N	Y	Y	Y	*If 'Other' is ticked, please provide justification*
UK Link System Application (e.g. SAP ISU, BW, PO)	None	N	N	N	N	N	N	*As above*
UK Link Portal	None	N	N	N	N	N	N	*As above*
UK Link Online Services	None	N	N	N	N	N	N	*As above*
Data Enquiry Services (DES) - *To be removed post CSS implementation*	None	N	N	N	N	N	N	*As above*
Contact Management Service (CMS)	None	N	N	N	N	N	N	*As above*

UK Link Network (Inclusive of IX, EFT and AMT)	None	N	N	N	N	N	N	*As above*

Additional Systems	Level of Impact (L/M/H)	File Format (Y/N)	Screens (Y/N)	Reporting (Y/N)	Batch Jobs (Y/N)	Validation (Y/N)	Processes (Y/N)	Other
Data Discovery Platform (DDP) Core	None	N	N	N	N	N	N	*If 'Other' is ticked, please provide justification*
Discovery API	None	N	N	N	N	N	N	*As above*
Reporting	None	N	N	N	N	N	N	
Gas Enquiry Service (GES) – To be included post CSS implementation	None	N	N	N	N	N	N	

3c. High level costs and timescales

Costs provided within the ROM response are indicative and high level based on high level analysis.

Below details the high-level implementation cost range and provides an indication of any ongoing costs identified from the high-level analysis.

Implementation costs

Option 1 – Delivery in the Legacy Gemini system and Gemini Sustain Plus will cost at least £155,000, but probably not more than £193,000

Option 2 – Delivery via Gemini Sustain Plus only will cost at least £36,000, but probably not more than £53,000

Ongoing costs

The change is not expected to increase ongoing running costs.

Timescales:

Option 1 – The high-level estimate to deliver in the Legacy Gemini system and Gemini Sustain Plus is approximately 18 weeks.

Option 2 – The high-level estimate to develop and test this change under Gemini Sustain Plus is approximately 9 weeks.

Validity of ROM:
Please note, the information provided in the ROM response is an 'at a point in time' assessment which is valid for 3 months.

3d. Release type

Please provide a view on the anticipated release type this change would need to be delivered under.

| **Release Type** | ☒ Ad-hoc / Stand-alone | ☐ Minor |
| | ☐ Major | |

Next available Release (based on the Release Type)	ChMC approval to Release scope	ChMC approval of Detailed Design
Ad-hoc - TBC		

3e. Impact on Service Line(s)

Impact on Service Line(s)	Change relates to Service Area 14: Gemini Services

3f. Assumptions

- Any changes in the approach to the solution may affect the overall schedule and costs for the change.
- 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.
- Any costs associated to Market Trials are not included.
- The high-level analysis is based on changes to central systems and does not account for changes to customer systems as a result of any potential work.
- The high-level analysis and costs are based on the current production system and the current Gemini Sustain Plus scope/Roadmap
- There are no impacts to downstream systems
- Any adjustments to historic Eligible Quantities already calculated in the system are not required
- The SOP's and LWI's will be updated by the relevant business area
- There is no impact to rate matrix calculation
- There are no new reporting requirements
- Option 1 – Development in Gemini Sustain Plus will not commence until the change has been deployed into Legacy Gemini
- Option 1 – The Post Implementation Support period will run in parallel to development in Gemini Sustain Plus
- Option 1 – The UNC Modification will be approved by 24th November 2023 such that the change could be delivered in Legacy Gemini prior to the Gemini Sustain Plus Partial Change Freeze window and allow the development and testing within Gemini Sustain Plus to be completed prior to the Full Change Freeze window
- Option 2 – The UNC Modification will be approved by 26th January 2024 such that the change could be developed and tested within Gemini Sustain Plus prior to the Full Change Freeze window

4. Version Control

Version	Date:	Author	Status
0.1	16/06/2021	Ellie Rogers	Initial draft
0.2	21/06/2021	Ellie Rogers	Updated following Xoserve session
0.3	24/06/2021	Ellie Rogers	Updated following internal comments
0.4	28/06/2021	Ellie Rogers	Updated following first Correla view
0.5	31/08/2021	Ellie Rogers	Updated following session with Correla
0.6	11/05/2022	Ellie Rogers	Updated with clarification to questions
1.0	16/06/2022	Ellie Rogers	Clean version