

## Change Proposal

### UNC Modification 0636 - Updating the parameters for the NTS Optional Commodity Charge

**Mod Reference: 0636**  
**CDSP Reference: XRN4543**

Document Stage	Version	Date	Author	Status
ROM Request / Change Proposal	0.1	24/11/17	Debra Hawkin	Draft
ROM Response	0.1	13/12/2017	Steve Ganney	Submitted to Change Committee
Change Management Committee Outcome				Choose an item.
EQR				Choose an item.
Change Management Committee Outcome				Choose an item.
BER				Choose an item.
Change Management Committee Outcome				Choose an item.
CCR				Choose an item.
Change Management Committee Outcome				Choose an item.

**Document Purpose**

This document is intended to provide a single view of a change as it moves through the change journey. The document is constructed in a way that enables each section to build upon the details entered in the preceding section. The level of detail is built up in an incremental manner as the project progresses.

The template is aligned to the Change Management Procedures, as defined in the CDSP Service Document. The template is designed to remove the need for duplication of information. Where information is required in one section but has been previously captured in a previous section, the previous section will be referenced.

The summary table on the front page shows the history and the current status of the Change Proposal.

<b>Section</b>	<b>Title</b>	<b>Responsibility</b>
1	Proposed Change	Proposer / Mod Panel
2	ROM Request / Change Proposal	Proposer / Mod Panel
3	ROM Request Rejection	CDSP
4	Rough Order of Magnitude (ROM) Analysis	CDSP
5	Change Proposal: Committee Outcome	Change Management Committee
6	EQR: Change Proposal Rejection	CDSP
7	Evaluation Quotation Report (EQR): Notification of delivery date	CDSP
8	Evaluation Quotation Report (EQR)	CDSP
9	Evaluation Quotation Report (EQR): Committee Outcome	Change Management Committee
10	Business Evaluation Report (BER)	CDSP
11	Business Evaluation Report (BER): Committee Outcome	Change Management Committee
12	Change Completion Report (CCR)	CDSP
13	Change Completion Report (CCR): Committee Outcome	Change Management Committee
14	Document Template Version History	CDSP
<b>Appendix</b>		
A1	Glossary of Key Terms	N/A

## Section 1: Proposed Change

This Proposal section has been drafted on Joint Office's behalf by Xoserve and any views expressed in them are the Proposer's (and not Xoserve's).

Note: This is a revised version of the Change Proposal Section, to ensure that the content is seen as the Proposer's view and not Xoserve's neural view of the proposal.

Originator Details			
<b>Drafted and Submitted (on Behalf of Joint Office) By</b>	Debra Hawkin	<b>Contact Number</b>	07968 340 721
		<b>Email Address</b>	debra@tpasolutions.co.uk
<b>Customer Representative</b>		<b>Contact Number</b>	
		<b>Email Address</b>	
<b>Subject Matter Expert / Network Lead</b>		<b>Contact Number</b>	
		<b>Email Address</b>	
<b>Customer Class</b>	<input checked="" type="checkbox"/> Shipper <input checked="" type="checkbox"/> National Grid Transmission <input type="checkbox"/> Distribution Network Operator <input type="checkbox"/> IGT		
<b>Overview of proposed change</b>			

**Change Details**

Mod 0636 Solution (Section 5)

The proposal requires a change to the charging methodology contained within Section Y (3.5 NTS Optional Commodity Rate) and Section B3.12.10(b) of the UNC.

The parameters of the NTS Optional Commodity charge formula are derived from flow rates, pipeline distances and underlying costs. The current formula is as follows:

$$p/kWh = 1203 \times M^{-0.834} \times D + 363 \times M^{-0.654}$$

Where:

D is the direct distance of the site or non-National Grid NTS Pipeline to the elected Entry Terminal

M is the Maximum NTS Exit Point Offtake Rate (MNEPOR) at the site, converted into kWh/day

^ means 'to the power of..'

The proposed formula is as follows:

$$p/kWh = 1247 \times M^{-0.78} \times D + 1422 \times M^{-0.708}$$

Where:

D is the direct distance of the site or non-National Grid NTS Pipeline to the elected Entry Terminal

M is the aggregate of the allocated daily energy in kWh/day at the exit point from the previous Gas Year divided by the number of days in the previous Gas Year and further divided by 75% except:

- (i) where the site is new and hence there is no flow history, retain the existing formula for M of 24 times the Maximum NTS Exit Point Offtake Rate
- (ii) for an NTS Exit Point in respect of a pipeline interconnector having no physical exit capability, M is the aggregate of the allocated daily energy in kWh/day from the previous Gas Year divided by the number of days in the Gas Year and further divided by 75% to the NTS at the System Entry Point associated with such Connected Delivery Facility.

^ means 'to the power of..'

The update to the numeric parameters in the formula would be effective for all sites availing of the OCC from the time of implementation of the Mod and no further updates are envisaged.

The value of M will be set for all NTS Sites at implementation prior to October 2019.

Thereafter, an annual process would update M each April commencing April 2020 for effect from the following October in the event that this Mod is not superseded by code changes necessary for EU TAR compliance.

For the avoidance of doubt:

- (i) At the time of calculation of the charge rates (which will be subject to the 2 months' notice of charges), the average aggregate allocated daily energy will take the latest gas year for which data is available – For example implementation anytime between 1 April and 1 October 18 will use data from the Gas Year October 16 to September 17.
- (ii)  $M = (\sum E) / N \times 100 / 75$  where E is the allocated daily energy for each day of the relevant Gas Year at the exit point and N is the number of days in the relevant Gas Year

- (iii) The 75% divisor converts an annual daily load to a notional peak day load which determines an appropriate pipe building cost estimate which is then used to derive the unit rate. The value of 75% is consistent with the assumption

<b>The Proposer's Reason(s) for the proposed service change</b>	<p>The proposer summarised their reasons for change in the modification as follows...  <a href="https://www.gasgovernance.co.uk/0636">https://www.gasgovernance.co.uk/0636</a></p>
<b>Status of related UNC Mod</b>	<p>In progress – Workgroup Report is required for consideration by the Mod Panel on 18 Jan 2018</p>
<b>Full title of related UNC Mod</b>	<p><b>UNC Modification 0636 – Updating the parameters for the NTS Optional Commodity Charge</b></p>
<b>Benefits of change</b>	<p>See Mod 0636</p>
<b>Required Change Implementation Date</b>	<p>ASAP – likely 2018</p>
<b>Please provide an assessment of the priority of this change from the perspective of the industry.</b>	<p> <input checked="" type="checkbox"/> High  <input type="checkbox"/> Medium  <input type="checkbox"/> Low            Rationale for assessment: High Impact Mod         </p>

## Section 2: Initial Assessment / ROM Request / Change Proposal

This ROM Request section has been drafted on Joint Office's behalf by Xoserve and any views expressed in them are the Proposer's (and not Xoserve's).

Note: This is a revised version of the ROM Request Section, to ensure that the content is seen as the Proposer's view and not Xoserve's neural view of the proposal.

<b>Service Level of Quote/Estimate Robustness Requested</b>	<b>Evaluation Services</b> <input type="checkbox"/> Initial Assessment <input checked="" type="checkbox"/> ROM estimate for Analysis and Delivery <b>CDSP Change Services</b> <input type="checkbox"/> Firm Quote for Analysis <input type="checkbox"/> Firm Quote for both Analysis and Delivery
<b>Has any initial assessment been performed in support of this change?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

<b>Is this considered to be a Priority Service Change?</b>	<input checked="" type="checkbox"/> Yes (Mod Related) <input type="checkbox"/> Yes (Legislation Change Related) <input type="checkbox"/> No
<b>Is this change considered to relate to a 'restricted class' of customers?</b>  Consider if the particular change is only likely to impact those who fall under a particular customer class  If it impacts all customer classes (i.e. Transmission, Distribution & Shippers) then choose 'No'.	<input checked="" type="checkbox"/> Yes (please mark the customer class(es) to whom this is restricted) <input type="checkbox"/> No ----- <input checked="" type="checkbox"/> Shippers <input checked="" type="checkbox"/> National Grid Transmission <input type="checkbox"/> Distribution Network Operators <input type="checkbox"/> IGTs
<b>Is it anticipated that the change would have an adverse impact on customers of any other customer classes?</b>  Please refer to appendix one for the definition of an 'adverse impact'	<input type="checkbox"/> Yes (please give details) <input checked="" type="checkbox"/> No

<b>General Service Changes Only (please ensure that either A or B below is completed)</b>	
A) Customer view of impacted service area(s)	
N/A	
B) If the change is anticipated to require the creation of a new service area and service line please give further details stating proposed name of new service area and title of service line:	

N/A
<b>Specific Service Changes Only:</b>
Please detail the proposed methodology (or amendment to the existing methodology) for determining Specific Service Change Charges.
N/A
Please detail the proposed basis (that is, Charging Measure and Charging Period) for determining Specific Service Change Charges in respect of the Specific Service.
N/A
<b>Impacts to UK-Link System or File Formats</b>
In addition to amending certain fixed values within the Optional Commodity Charge formula, the value currently recorded against 'M' in the charging methodology for the derivation of MNEPOR (Maximum NTS Exit Point Offtake Rate) will be replaced to reflect a new value as determined by the modification proposal solution. This change will alter both the charging formula itself and the charge values currently recorded in UK Link system for those sites capable of obtaining the Optional Commodity Charge rate.
<b>Impacts UKL Manual Appendix 5b</b>
<b>Impacts to Gemini System</b>
<b>Please give any other relevant information.</b>

Please send the document to the following:

<b>Recipient</b>	<b>Email</b>
Xoserve Portfolio Office	changeorders@xoserve.com
Change Management Committee Secretary	dsccomms@gasgovernance.co.uk

**Section 3: ROM Request Acceptance**

Is there sufficient detail within the ROM Request to enable a ROM Analysis to be produced?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If no, please define the additional details that are required.	

If the ROM Request is not accepted. Please forward this document to the Portfolio Office for onward transmission to the Change Management Committee

## **Section 4: ROM Analysis**

This ROM is Xoserve's response to the above Evaluation Service Request. The response is intended to support customer involvement in the development of industry changes. Should the request obtain approval for continuance then a Change Proposal must be raised for any further analysis / development.

**Disclaimer:**

This ROM Analysis has been prepared in good faith by Xoserve Limited but by its very nature is only able to contain indicative information and estimates (including without limitation those of time, resource and cost) based on the circumstances known to Xoserve at the time of its preparation. Xoserve accordingly makes no representations of accuracy or completeness and any representations as may be implied are expressly excluded (except always for fraudulent misrepresentation).

Where Xoserve becomes aware of any inaccuracies or omissions in, or updates required to, this Report it shall notify the Network Operators' Representative as soon as reasonably practicable but Xoserve shall have no liability in respect of any such inaccuracy or omission and any such liability as may be implied by law or otherwise is expressly excluded.

This Report does not, and is not intended to; create any contractual or other legal obligation on Xoserve.

© 2017 Xoserve Ltd

All rights reserved.

## ROM Analysis

### Change Assessment

To facilitate this change a report will satisfy the requirements of UNC Modification 0636 - Updating the parameters for the NTS Optional Commodity Charge

1. The report will be for the relevant gas year is Oct 1<sup>st</sup> to Sept 30<sup>th</sup>.
2. Format for the report is .XLSX
3. Destination for the report is unknown at this stage and the delivery method is likely to be via email.
4. Only NTS (directly connected) sites are eligible.
5. If 'Shorthaul rate determining average **offtake**' cannot be calculated then no value will be populated (not even zero)
6. The 'Short Haul Rate determining average offtake' (M) is calculated using following formula:

$$[ \text{aggregate allocated energy for year} / 365 ] \times [ 100 / 75 ]$$

M is the aggregate of the allocated daily energy in kWh/day at the exit point from the previous Gas Year divided by the number of days in the previous Gas Year and further divided by 75%

For a site to be included, the SMP must be created before the Gas year starts and to have remained live until the last day of the Gas Year.

The calculated values of M will be used in the following NTS Optional Commodity charge rate formula

$$p/\text{kWh} = 1203 \times M^{-0.834} \times D + 363 \times M^{-0.654}$$

Where:

D is the direct distance of the site or non-National Grid NTS Pipeline to the elected Entry Terminal

M is the value calculated above or the Maximum NTS Exit Point Offtake Rate (MNEPOR) for the site (converted into kWh/day) where a value could not be calculated according to the rules.

### Change Costs (implementation):

The solution will cost at least **£4,000**, but probably not more than **£7,000** to develop

This change will only Impact DSC BCM Service area 7.

### Change Costs (on-going):

The on-going costs are likely to be negligible and have not been included

### Timescales:

The development of the change could start early 2018 and is likely to take 10 to 15 business days to deliver

### Assumptions:

The numeric parameters in the formula have never been changed so it is assumed but not yet confirmed that these can be changed through normal price change procedures and the formula work as required thereafter.

**Dependencies:**

- No material dependencies have been identified at this time.

**Constraints:**

- No material dependencies have been identified at this time.

**Observations:**

It is likely that involvement by National Grid Transmission for approval of the report will be required

Please send the document to the following:

<b>Recipient</b>	<b>Email</b>
Xoserve Portfolio Office	changeorders@xoserve.com
Requesting Party	As specified in ROM Request

## Section 5: Change Proposal: Committee Outcome

The Change Proposal is approved. An EQR is requested		
Approved Change Proposal version		
The change proposal shall not proceed		
The committee votes to postpone its decision on the Change Proposal until a later meeting		Date of later meeting
The committee requires the proposer to make updates to the Change Proposal:		
Updates required:		

## **Section 6: Evaluation Quotation Report (EQR): Change Proposal Rejection**

### **Change Proposal Rejection**

	<b>Yes</b>		<b>No</b>	Is there sufficient detail within the Change Proposal to enable an EQR to be produced? If no, please provide further details below.
Further details required:				

Please send the document to the following:

<b>Recipient</b>	<b>Email</b>
Change Management Committee Secretary	dsccomms@gasgovernance.co.uk

## **Section 7: Evaluation Quotation Report (EQR): Notification of Delivery Date**

<b>Notification of EQR Delivery Date</b>	
Original EQR delivery date:	
Revised EQR delivery date:	
Rationale for revision of delivery date:	

Please send the document to the following:

<b>Recipient</b>	<b>Email</b>
Change Management Committee Secretary	<a href="mailto:dsccomms@gasgovernance.co.uk">dsccomms@gasgovernance.co.uk</a>

## Section 8: Evaluation Quotation Report (EQR)

Project Manager		Contact Number	
		Email Address	
Project Lead		Contact Number	
		Email Address	

Please provide an indicative assessment of the impact of the proposed change on: <ul style="list-style-type: none"> <li>i. CDSP Service Description</li> <li>ii. CDSP Systems</li> </ul>	
Approximate timescale for delivery of 'business evaluation report' (N.b this is from the date on which the EQR is approved.)	
Estimated cost of business evaluation report preparation This can be expressed as a range of costs i.e. 'at least £xx,xxx but probably not more than £xx,xxx'.	
Does the CDSP agree with the 'Restricted class change' assessment (where provided)? Please refer to detail provided in the Change Proposal	<input type="checkbox"/> Yes <input type="checkbox"/> No (please give detail below)
Does the CDSP agree with the 'Adverse Impact' assessment (where provided)? Please refer to detail provided in the Change Proposal	<input type="checkbox"/> Yes <input type="checkbox"/> No (please give detail below)
Does the CDSP agree with the 'Priority Service Change' assessment (where provided)? Please refer to detail provided in the Change Proposal	<input type="checkbox"/> Yes <input type="checkbox"/> No (please give detail below)
<b>General service changes</b>	
Does the CDSP agree with the assessment made in the Change Proposal regarding impacted service areas?  This should refer to whether the proposing party	<input type="checkbox"/> Yes <input type="checkbox"/> No (please give detail below)

<p>considers the service change to relate to an existing service area or whether it constitutes a new service area.</p>	
<p><b>Specific service changes</b></p>	
<p>Does the CDSP agree with the proposal made in the Change Proposal regarding specific change charges?</p> <p>This should refer to the proposed methodology (or amendment to existing methodology) for determining the specific service charges and the proposed basis for determining the specific service change charges.</p>	<p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No (please give detail below)</p>
<p>Please provide a draft amendment of the Specific Service Change Charge Annex setting out the methodology for determining Specific Service Change Charges proposed in the Change Proposal</p>	
<p>EQR validity period:</p>	

Please send the document to the following:

<b>Recipient</b>	<b>Email</b>
Change Management Committee Secretary	dsccomms@gasgovernance.co.uk

## Section 9: Evaluation Quotation Report: Committee Outcome

The EQR is approved			
Approved EQR version			
The Change Proposal shall not proceed. The Change Proposal and this EQR shall lapse			
The committee votes to postpone its decision on the EQR until a later meeting		Date of later meeting	
The committee requires updates to the EQR:			
Updates required:			
<b>General service changes only</b>			
<i>(The detail upon which the response will be based is originally defined in the change proposal and potentially commented upon in the subsequent EQR)</i>			
1.) Does the committee agree with the assessment of the service area(s) to which the service line belongs and the weighting of the impact?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
2.) If no, please enter the agreed service area(s) and the weighting:			
<b>Specific service changes only</b>			
<i>(The detail upon which the response will be based is originally defined in the Change Proposal and potentially commented upon in the subsequent EQR)</i>			
1.) Please confirm the methodology for the determination of Specific Service Change charges			
2.) Please confirm the charging measure and charging period for the determination of Specific Service Change charges			

## Section 10: Business Evaluation Report (BER)

### Change Implementation Detail

1.) Detail changes required to the CDSP Service Description

2.) Detail modifications required to UK Link

3.) Detail changes required to appendix 5b of the UK Link Manual

4.) Detail impact on operating procedures and resources of the CDSP

5.) Implementation Plan

6.) Estimated implementation costs

6a.) How will the charging for the costs be allocated to different customer classes?  
(General Service Changes only)

Please mark % against each customer class:

- |  |  |
|--|--|
|  | National Grid Transmission               |
|  | Distribution Network Operators and IGT's |
|  | DN Operator                              |
|  | IGT's                                    |
|  | Shippers                                 |

**100%**

7.) Estimated impact of the service change on service charges

8.) Please detail any pre-requisite activities that must be completed by the customer prior to receiving or being able to request the service.

### Implementation Options

Please provide details on any alternative solution/implementation options:

This should include:

- (i) a description of each Implementation Option;
- (ii) the advantages and disadvantages of each option
- (iii) the CDSP preferred Implementation Option

--

**Restricted Class Changes only**

Is there any change in the view of the CDSP on whether there would be an 'Adverse Impact' on customers outside the relevant customer class(es)?

- Yes (please give detail below)
- No

**Dependencies:**

--

**Constraints:**

--

**Benefits:**

--

**Impacts:**

--

**Risks:**

--

Assumptions:
Information Security:
Out of scope:
Please provide any additional information relevant to the proposed service change:

Please send the document to the following:

<b>Recipient</b>	<b>Email</b>
Change Management Committee Secretary	dsccomms@gasgovernance.co.uk

## Section 11: Business Evaluation Report: Committee Outcome

The BER is approved and the change can proceed			
<b>Modification Changes Only</b> Please ensure that the Transporters are formally informed of the Target Implementation Date			
Approved BER version			
The change proposal shall not proceed and the BER shall lapse			
The committee votes to postpone its decision on the BER until a later meeting		Date of later meeting	
The committee requires updates to the BER:			
Updates required:			

## Section 12: Change Completion Report (CCR)

### Change Overview

Please include detail on the following for the chosen implementation option: modifications to UKLink, impact on operating procedures and resources of the CDSP.  
 Actions required of the customer prior to the commencement date

Please detail any differences between the solution that was implemented and what was defined in the BER.

Detail the revised text of the CDSP Service Description reflecting the change that has been made

Were there any revisions to the text of the UK Link Manual?

Yes (please insert the revised text of the UK Link manual below)

No

Proposed Commencement Date		Actual Commencement Date	
-------------------------------	--	-----------------------------	--

Please provide an explanation of any variance

Please detail the main lessons learned from the project

Service change costs			
Approved Costs (£)		Actual Costs (£)	
Reasons for variance between approved and actual costs:			

Please send the document to the following:

<b>Recipient</b>	<b>Email</b>
Change Management Committee Secretary	enquiries@gasgovernance.co.uk

## Section 13: Change Completion Report: Committee Outcome

The implementation is complete and the CCR is approved		
Approved CCR version		
The committee votes to postpone its decision on the CCR until a later meeting		Date of later meeting:
The committee requires further information		
Further information required:		
The committee considers that the implementation is not complete		
Further action(s) required:		
The proposed changes to the CDSP Service Description or UK Link Manual are not correct		
Amendments to CDSP service description / UKLink manual required:		

## **Section 14: Document Template Version History**

The purpose of this section is to keep a record of the changes to the overall version template and the individual sections within. It will be updated by the CDSP following approval of the template update by the Change Management Committee.

### **Version History:**

<b>Version</b>	<b>Status</b>	<b>Date</b>	<b>Author(s)</b>	<b>Summary of Changes</b>
1.0	Approved		CDSP	Version Approved by Change Committee

--- END OF DOCUMENT ---

## Appendix One: Glossary

Term	Definition
Adverse Impact	<p>A Service Change has or would have an Adverse Impact on Customers of a particular Customer Class if:</p> <p>(a) Implementing the Service Change would involve a modification of UK Link which would conflict with the provision of existing Services for which such Customer Class is a Relevant Customer Class;</p> <p>(b) the Service Change would involve the CDSP disclosing Confidential Information relating to such Customers to Customers of another Customer Class or to Third Parties;</p> <p>(c) Implementing the Service Change would conflict to a material extent with the Implementation of another Service Change (for which such Customer Class is a Relevant Customer Class) with an earlier Proposal Date and which remains Current, unless the Service Change is a Priority Service Change which (under the Priority Principles) takes priority over the other Proposed Service Change; or</p> <p>(d) Implementing the Service Change would have an Adverse Interface Impact for such Customers.</p>
General Service	A service provided under the DSC to Customers or Customers of a Customer Class on a uniform basis.
Non-Priority Service Change	A Service Change which is not a Priority Service Change
Priority Service Change	<p>A Modification Service Change;</p> <p>or</p> <p>A Service Change in respect of a Service which allows or facilitates compliance by a Customer or Customers with Law or with any document designated for the purposes of Section 173 of the Energy Act 2004 (including any such Law or document or change thereto which has been announced but not yet made).</p>
Relevant Customer class	A Customer Class is a <b>Relevant Customer Class</b> in relation to a Service or a Service Change where Service Charges made or to be made in respect of such Service, or the Service subject to such Service Change, are or will be payable by Customers of that Customer Class
Restricted Class Change	Where, in relation to a Service Change, not all Customer Classes are Relevant Customer Classes, the Service Change is a <b>Restricted Class Change</b> ;
Service Change	<p>A change to a Service provided under the DSC (not being an Additional Service), including:</p> <p>(i) the addition of a new Service or removal of an existing Service; and</p> <p>(ii) in the case of an existing Service, a change in any feature of the Service specified in the CDSP Service Description,</p> <p>and any related change to the CDSP Service Description</p>
Specific Service	A service (other than Additional Services) available under the DSC to all Customer or Customers of a Customer Class but provided to a particular Customer only upon the order of the Customer.