

# DSC Change Proposal Document

Customers to fill out all of the information in the sections coloured ■  
 Xoserve to fill out all of the information in the sections coloured ■

## A1: General Details

Change Reference:	XRN5635		
Change Title:	H100 (UNC Mod799) Consequential Gemini Change		
Date Raised:	29/03/2023		
Sponsor Representative Details:	Organisation:	National Gas Transmission	
	Name:	Jen Randall / Mike Wassell	
	Email:	<a href="mailto:Jennifer.Randall@nationalgrid.com">Jennifer.Randall@nationalgrid.com</a> / <a href="mailto:mike.j.wassell@nationalgrid.com">mike.j.wassell@nationalgrid.com</a>	
	Telephone:	07768 251404 (Jen) / 07765 220843 (Mike)	
Xoserve Representative Details:	Name:	Daniel Knott	
	Email:	<a href="mailto:daniel.knott@correla.com">daniel.knott@correla.com</a>	
	Telephone:	07792 181417	
	Business Owner:		
Change Status:	<input checked="" type="checkbox"/> Proposal	<input type="checkbox"/> With DSG	<input type="checkbox"/> Out for Review
	<input type="checkbox"/> Voting	<input type="checkbox"/> Approved	<input type="checkbox"/> Rejected

## A2: Impacted Parties

Customer Class(es):	<input type="checkbox"/> Shipper	<input checked="" type="checkbox"/> Distribution Network Operator
	<input checked="" type="checkbox"/> NG Transmission	<input type="checkbox"/> IGT
	<input type="checkbox"/> All	<input type="checkbox"/> Other <Please provide details here>
Justification for Customer Class(es) selection	Please use this field to explain how the parties you've selected will be impacted	

## A3: Proposer Requirements / Final (redlined) Change

Problem Statement:	<p>UNC Modification 799 '<i>UNC arrangements for the H100 Fife project (100% Hydrogen)</i>' introduced rules into the UNC to facilitate the SGN Network Innovation Competition project titled H100FIFE. The modification was approved by Ofgem on 23rd November 2022 with an implementation date to be confirmed.</p> <p>During the modification process it was identified that there would be Central System impacts (<i>please see final modification report for</i></p>
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	<p><i>UNC Mod 799</i>). Post approval of the modification, further discussions between Correla and the Transporters have taken place. The central system impacts were investigated in further detail through the High-Level Estimate (HLE) process.</p> <p>This Change Proposal has therefore been raised to cover the changes required in the Gemini Platform to deliver compliance with UNC Modification 799.</p> <p><b>Detailed Problem Statement</b></p> <p>Gemini currently validates the Calorific Value (CV) it receives via a configured CV range which is set per meter type. The CV (and volume and energy) is provided through the FWACV calculation process to Gemini via a FCV file from the UK Link system which contains information at both LDZ and individual site level.</p> <p>The CV is also provided in noms (both input and output) where the CV validation rule also applies. Gemini rejects any CV's outside of the defined ranges.</p> <p>For H100 (100% Hydrogen Fife project &amp; UNC Modification 799) and future hydrogen trial projects, the CV is likely to be much lower than the current Gemini defined ranges and therefore will be rejected, meaning the gas is not accounted for correctly.</p>
<p>Change Description:</p>	<p>Transporters in discussion with Correla have agreed on the below option to meet the CV validation rule challenge.</p> <p><b>Option 3 - Create a specific CV Tolerance Range for the new meters for the relevant file types</b></p> <p>This solution would involve each new hydrogen meter having a specific range not linked to the meter type.</p> <p>The implementation of H100 is currently scheduled for June 2024.</p> <p><b>Gemini Sustain Plus</b></p> <p>In order to provide the decision makers with enough relevant information, the solutions assessed in the Design phase need to take into consideration the on-going Gemini Sustain Plus programme (XRN5564).</p> <p>Please can all the following delivery options be costed and associated risks be provided as part of the BER process.</p> <ol style="list-style-type: none"> <li>1) Delivery into Legacy Gemini – before Service Extraction of the relevant microservices have taken place.</li> <li>2) Delivery into Legacy Gemini and new Gemini post Service Extraction of the relevant microservices</li> <li>3) Delivery only into the updated Gemini platform. This solution will also need to consider an off-line interim solution (between June 2024 and September 2024)</li> </ol>

	<p><b>Funding</b></p> <p>The Final UNC 799 Modification Report states:</p> <p><i>The Proposer confirmed that in relation to Central system costs the focus has been on trying to keep processes and impacts centrally as minimal as possible during the trial. The central system costs will be dealt with at DSC Change Management Committee (using a decarbonisation investment budget under BAU this is covered by DSC arrangements within the Business Plan).</i></p> <p>If funded through the DSC decarbonisation budget then the costs and delivery plan would need to be agreed in collaboration with the Xserve Transporters Decarbonisation group.</p>	
Proposed Release:	Release: Adhoc	
Proposed Consultation Period:	<input type="checkbox"/> 10 Working Days	<input type="checkbox"/> 15 Working Days
	<input type="checkbox"/> 20 Working Days	<input type="checkbox"/> Other [Specify Here]

#### A4: Benefits and Justification

Benefit Description:	It ensures those customers included with the H100 project are correctly allocated, reducing the risk of increased unidentified gas as a result of the H100 and potentially other future Hydrogen projects.
	<i>What, if any, are the tangible benefits of introducing this change? What, if any, are the intangible benefits of introducing this change?</i>
Benefit Realisation:	Day 1 of the H100 project go live (currently anticipated to be Summer 2024 and for a three-year duration)
	<i>When are the benefits of the change likely to be realised?</i>
Benefit Dependencies:	Delivery needs to take into consideration the Gemini Sustain Plus project to minimise the risk of any regret spend.
	<i>Please detail any dependencies that would be outside the scope of the change, this could be reliance on another delivery, reliance on some other event that the projects has not got direct control of.</i>

#### A5: Final Delivery Sub-Group (DSG) Recommendations – Removed

(see Section C for DSG recommendations)

#### A6: Service Lines and Funding

Service Line(s) Impacted - New or existing	
Level of Impact	Major/ Minor/ Unclear/ None

If None please give justification			
Impacts on UK Link Manual/ Data Permissions Matrix			
Level of Impact	Major/ Minor/ Unclear/ None		
If None please give justification			
Funding Classes :	Customer Classes/ Funding	Delivery of Change	On-going Budget Amendment
	<input type="checkbox"/> Shipper	XX %	XX %
	<input type="checkbox"/> National Grid Transmission	XX %	XX %
	<input type="checkbox"/> Distribution Network Operator	XX %	XX %
	<input type="checkbox"/> IGT	XX %	XX %
	<input type="checkbox"/> Other <please specify>	XX %	XX %
ROM or funding details:			
Funding Comments:			

### A7: ChMC Recommendation

Change Status:	<input type="checkbox"/> Approve	<input type="checkbox"/> Reject	<input type="checkbox"/> Defer
Industry Consultation:	<input type="checkbox"/> 10 Working Days	<input type="checkbox"/> 15 Working Days	
	<input type="checkbox"/> 20 Working Days	<input type="checkbox"/> Other [Specify Here]	
Expected date of receipt for responses (to Xoserve)	XX/XX/XXXX		

DSC Consultation Issue:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date Issued:	Click here to enter a date.	
Comms Ref(s):		
Number of Responses:		

### A8: DSC Voting Outcome

Solution Voting:	<input type="checkbox"/> Shipper	Please select.
	<input type="checkbox"/> National Grid Transmission	Please select.
	<input type="checkbox"/> Distribution Network Operator	Please select.

	<input type="checkbox"/> IGT	Please select.	
Meeting Date:	Click here to enter a date.		
Release Date:	Release: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY or NA		
Overall Outcome:	<input type="checkbox"/> No	<input type="checkbox"/> Yes	If [Yes] please specify <Release>

Please send the completed forms to: [uklink@xserve.com](mailto:uklink@xserve.com)

# Version Control

## Document

Version	Status	Date	Author(s)	Remarks

## Template

Version	Status	Date	Author(s)	Remarks
3.0	Superseded	17/07/2018	Emma Smith	Template approved at ChMC on 11th July 2018
4.0	Superseded	07/09/2018	Emma Smith	Minor wording amendments and additional customer group impact within Appendix 1
5.0	Superseded	10/12/2018	Heather Spensley	Template moved to new Word template as part of Corporate Identity changes.
6.0	Approved	12/12/2018	Simon Harris	Cosmetic changes made. Approved at ChMC on the 12 <sup>th</sup> December 2018.
6.1	In Draft	26/03/2019	Richard Johnson/ Alison Cross	The following minor changes were made: <ul style="list-style-type: none"> <li>- Inclusion of an All 'Impacted Parties' option in A2</li> <li>- Justification section added to section A2</li> <li>- Change Description replaced with Problem Statement in section A3</li> <li>- Remove 'X' in Release information (sections A3, A5, A7, C1 and G8)</li> <li>- Updated Service Line and UK Link impacts and funding section (A6) to include further detail</li> <li>- Amended questions 3 and 4 in section B</li> <li>- Added Service Line/UK link Assessment in section D</li> <li>- Removed Section A5</li> </ul>
6.2	For approval	14/05/2019	Alison Cross	Following review at DSC Governance review group re-added Change Description text box
7.0	Approved	13/06/2019	Richard Johnson	DSC Governance Review Group changes to the template

				approved at Change Management Committee on 12 <sup>th</sup> June 2019
7.1	Approved	03/03/2021	Rachel Taggart	Updated the email address of where to send new CP (page 3)