

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:	5531		
Change Title:	Hydrogen Village Trial		
Date Raised:	01/06/2022		
Sponsor Representative Details:	Organisation:	SGN	
	Name:	Richard Beedell	
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	Telephone:	+44 (0)7790 369396	
Xoserve Representative Details:	Name:	Simon Harris	
	Email:	simon.harris@xoserve.com	
	Telephone:	0121 229 2642	
	Business Owner:		
Change Status:	<input type="checkbox"/> Proposal	<input checked="" 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 type="checkbox"/> Distribution Network Operator
	<input type="checkbox"/> NG Transmission	<input type="checkbox"/> IGT
	<input checked="" type="checkbox"/> All	<input checked="" type="checkbox"/> Other <Metering and supplier parties>
Justification for Customer Class(es) selection	The extent to which Customer Classes will be impacted is as yet unknown however there are likely to be billing and settlement impacts based on previous assessments carried out for Hydrogen pilots.	

A3: Proposer Requirements / Final (redlined) Change

Problem Statement:	As part of the progression towards Net Zero, Cadent and NGN have been awarded network innovation funding by Ofgem via the RII0-GD2 Net Zero Pre-Construction and Small Projects re-opener to develop detailed designs of a Hydrogen Village Trial in Whitby (Ellesmere Port) and Redcar respectively.
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	<p>Each Village Trial will comprise up to 2,000 MPRNs covering domestic and light I&C premises.</p> <p>These trials will need to demonstrate that end consumers are not adversely affected by consuming 100% Hydrogen through a repurposed existing gas network. The industry will need to ensure that end consumers can be billed appropriately for the gas energy they receive and that all existing Gas Industry processes will continue to work with the Calorific Value of Hydrogen (~12 MJ/m³, compared to natural gas at ~39MJ/m³).</p> <p>SGN as the DN developing the Neighbourhood Trial (H100 Fife) is supporting the work required around changes to the Regulatory Framework for the Hydrogen Village Trials.</p>	
<p>Change Description:</p>	<p>CDSP to undertake an assessment establishing the potential impacts and DSC process changes to facilitate the consumption of a Hydrogen CV and that a settlement and billing process is in place for the affected Trial areas utilising Hydrogen.</p> <p>The processes designed as part of this Hydrogen Village Trial will need to be replicable for the next phase of Hydrogen development, so cannot be designed specifically for this trial alone.</p> <p>Items for Xoserve to consider but not be limited to:</p> <ul style="list-style-type: none"> • Transporter, Shipper and Supplier Licences • Gas Act • Gas (Calculation of Thermal Energy) Regulations • UNC & IGTUNC • REC • Settlement • Energy tracking and Billing systems and processes • IGT Networks • Metering • Calorific Value • LPG Networks <p>Some of the impacted items identified by this Change Proposal may not be required for the Hydrogen Village Trial but may be applicable to later trials.</p> <p>Xoserve will also be required to lead/support DNs with Industry communications ensuring that all Industry parties are aware of the projects, impacts, and the change requirements.</p>	
<p>Proposed Release:</p>	<p>Release: Feb 24 or prior to Hydrogen Village project start date</p>	
<p>Proposed Consultation Period:</p>	<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:	<p>The Hydrogen Village Trial is a strategic Net Zero project that has received approval (and funding) from Ofgem.</p> <p>The Hydrogen Village Trial is primarily to understand the feasibility, costs, and convenience of using hydrogen for heat in occupied properties.</p> <p>The commercial arrangements e.g. Xserve meter reconciliation, settlement, Supplier billing need to be adapted to support and ensure a successful outcome for the Hydrogen Village Trial.</p>
	<p><i>What, if any, are the tangible benefits of introducing this change? What, if any, are the intangible benefits of introducing this change?</i></p>
Benefit Realisation:	<p>The benefits will be realised immediately upon a successful CDSP solution delivery.</p>
	<p><i>When are the benefits of the change likely to be realised?</i></p>
Benefit Dependencies:	<p>DN's will need to consider if changes are required to statutory/regulatory arrangements e.g. Thermal Energy Regulations, UNC, DSC.</p>
	<p><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></p>

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	Not known at this stage		
Level of Impact	Unclear		
If None please give justification	Not known at this stage		
Impacts on UK Link Manual/ Data Permissions Matrix	Not known at this stage		
Level of Impact	Unclear		
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 checked="" 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:	DN Decarbonisation Funded Project		

A7: ChMC Recommendation – Initial Review

Change Status:	<input checked="" type="checkbox"/> Approve	<input type="checkbox"/> Reject	<input type="checkbox"/> Defer
DSC Consultation Issue:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Please send the completed forms to: uklink@xserve.com

Version Control

Document

Version	Status	Date	Author(s)	Remarks

Template

Version	Status	Date	Author(s)	Remarks	Approved By
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 th December 2018.	
6.1	In Draft	26/03/2019	Richard Johnson/ Alison Cross	<p>The following minor changes were made:</p> <ul style="list-style-type: none"> - Inclusion of an All 'Impacted Parties' option in A2 - Justification section added to section A2 - Change Description replaced with Problem Statement in section A3 - Remove 'X' in Release information (sections A3, A5, A7, C1 and G8) - Updated Service Line and UK Link 	

				<p>impacts and funding section (A6) to include further detail</p> <ul style="list-style-type: none"> - Amended questions 3 and 4 in section B - Added Service Line/UK link Assessment in section D - Removed Section A5 	
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 th June 2019	
7.1	Approved	03/03/2021	Rachel Taggart	Updated the email address of where to send new CP (page 3)	
7.2	Approved		Rachel Taggart	Updated CP VA version to be in line with the updates to VB.	
8.0	Approved	09/03/2022	Rachel Taggart	All Change Packs and response forms removed. Sections A7 & A8 removed.	Template approved at Change Management Committee on 09/03/2022