

# 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:	XRN4995		
Change Title:	Procurement of a Laboratory Study of within-pipe gas temperatures		
Date Raised:	26/07/2019		
Sponsor Representative Details:	Organisation:	Xoserve	
	Name:	Fiona Cottam	
	Email:	<a href="mailto:Fiona.Cottam@xoserve.com">Fiona.Cottam@xoserve.com</a>	
	Telephone:	0121 229 2199	
Xoserve Representative Details:	Name:	Fiona Cottam	
	Email:	<a href="mailto:Fiona.Cottam@xoserve.com">Fiona.Cottam@xoserve.com</a>	
	Telephone:	0121 229 2199	
	Business Owner:	Fiona Cottam	
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 checked="" type="checkbox"/> Shipper	<input type="checkbox"/> Distribution Network Operator
	<input 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	The outputs from this study are required to support the AUGÉ's analysis of the impact of the standard conversion factor. The AUGÉ's service is 100% Shipper funded within DSC Service Area 3.	

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

Problem Statement:	The Standard volume-to-energy conversion factor (CF) is set out in Gas Thermal Energy Regulations. This factor is used in the calculation of metered volumes from meter readings. The impact of the use of a standard CF is under investigation by the Unidentified Gas (UIG) Task Force and the AUGÉ (Allocation of Unidentified Gas Expert), who have identified that it could increase UIG in winter and decrease UIG in summer. This is because the standard conversion factor assumes a constant temperature of the gas
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	<p>passing through the meter of 12.2 degrees. If the gas is colder, then the actual quantity of gas will be under-recorded, and if it is warmer, it will be over-recorded.</p> <p>The AUGE has highlighted a lack of viable data on temperatures of gas consumed within GB meters.</p>	
Change Description:	<p>At the UNC AUG Sub-Committee in March the AUGE proposed an <b>independent study to undertake laboratory tests on the impact of surrounding temperatures on the actual metered gas temperatures</b>. This study would test various scenarios of ambient temperature around the gas meter and gas flow rates, and model the impacts on the temperature of gas consumed.</p> <p>The UNC AUG Sub-Committee recommended that DSC Contract Management Committee should agree an approach to procurement of a service. At the July DSC Contract Management Committee it was agreed that the <b>most appropriate approach was for Xoserve to procure an independent party to undertake the laboratory study</b>.</p>	
Proposed Release:	Adhoc	
Proposed Consultation Period:	<input checked="" 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 resulting equations from a study of the relationship between temperatures around the gas meter and the temperature of the gas as it passes through the meter would provide the gas industry with the ability to estimate within-pipe gas temperature under different weather conditions. This would help with the ongoing investigations into the impact of the use of a single standard volume-to-energy conversion factor on daily UIG (Unidentified Gas) and would be a key input to future years' AUG Statements and Table of UIG Weighting Factors and to the UNC Review of the impacts of the use of a standard conversion factor. (Review Request 0693 raised by ScottishPower).</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>From October 2020 onwards, outputs can be used by the AUGE in developing the next AUG Statement and Table of UIG Weighting Factors.</p>	
	<p><i>When are the benefits of the change likely to be realised?</i></p>	
Benefit Dependencies:	<p>The use of any outputs from this study would be entirely at the discretion of the AUGE. Contractual negotiations with potential vendors would be on the basis that the outputs from the study should be available to any gas industry party (as a minimum) and not just to Xoserve or the AUGE. Development of requirements for the study should be done in conjunction with the current AUGE to ensure that they meet the AUGE's specifications.</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	DSC Service Area 3: Record, submit data in compliance with UNC		
Level of Impact	TBC		
If None please give justification	N/A		
Impacts on UK Link Manual/ Data Permissions Matrix	None		
Level of Impact	None		
If None please give justification	No UKLink data flows result from this service		
Funding Classes :	Customer Classes/ Funding	Delivery of Change	On-going Budget Amendment
	<input checked="" type="checkbox"/> Shipper	100 %	100 %
	<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:	N/A		
Funding Comments:	Service is 100% Shipper funded as per DSC Charging Statement		

## A7: ChMC Recommendation

Change Status:	<input checked="" type="checkbox"/> Approve (to proceed to DSG)	<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:	
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### 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>