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: | [Fiona.Cottam@xoserve.com](mailto:Fiona.Cottam@xoserve.com) | | |
| Telephone: | 0121 623 2695 | | |
| Xoserve Representative Details: | Name: | Fiona Cottam | | |
| Email: | [Fiona.Cottam@xoserve.com](mailto:Fiona.Cottam@xoserve.com) | | |
| Telephone: | 0121 623 2695 | | |
| Business Owner: | Fiona Cottam | | |
| Change Status: | Proposal | | With DSG | Out for Review |
| Voting | | Approved | Rejected |

# A2: Impacted Parties

|  |  |  |
| --- | --- | --- |
| Customer Class(es): | Shipper | Distribution Network Operator |
| NG Transmission | IGT |
| All | Other <Please provide details here> |
| Justification for Customer Class(es) selection | The outputs from this study are required to support the AUGE’s analysis of the impact of the standard conversion factor. The AUGE’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 AUGE (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 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.  The AUGE has highlighted a lack of viable data on temperatures of gas consumed within GB meters. | |
| Change Description: | At the UNC AUG Sub-Committee in March the AUGE proposed an **independent study to undertake laboratory tests on the impact of surrounding temperatures on the actual metered gas temperatures**. 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.  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 **most appropriate approach was for Xoserve to procure an independent party to undertake the laboratory study**. | |
| Proposed Release: | Adhoc | |
| Proposed Consultation Period: | 10 Working Days | 15 Working Days |
| 20 Working Days | Other [Specify Here] |

# A4: Benefits and Justification

|  |  |
| --- | --- |
| Benefit Description: | 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). |
| *What, if any, are the tangible benefits of introducing this change? What, if any, are the intangible benefits of introducing this change?* |
| Benefit Realisation: | From October 2020 onwards, outputs can be used by the AUGE in developing the next AUG Statement and Table of UIG Weighting Factors. |
| *When are the benefits of the change likely to be realised?* |
| Benefit Dependencies: | 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. |
| *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.* |

# 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 |
| Shipper | 100 % | 100 % |
| National Grid Transmission | XX % | XX % |
| Distribution Network Operator | XX % | XX % |
| IGT | XX % | XX % |
| 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: | Approve | Reject | | Defer |
| Industry Consultation: | 10 Working Days | | 15 Working Days | |
| 20 Working Days | | Other [Specify Here] | |
| Expected date of receipt for responses (to Xoserve) | XX/XX/XXXX | | | |

|  |  |  |
| --- | --- | --- |
| DSC Consultation Issue: | Yes | No |
| Date Issued: | Click here to enter a date. | |
| Comms Ref(s): |  | |
| Number of Responses: |  | |

# A8: DSC Voting Outcome

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Solution Voting: | Shipper | | | Please select. |
| National Grid Transmission | | | Please select. |
| Distribution Network Operator | | | Please select. |
| 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: | No | Yes | If [Yes] please specify <Release> | |

Please send the completed forms to: [box.xoserve.portfoliooffice@xoserve.com](mailto:box.xoserve.portfoliooffice@xoserve.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 12th December 2018. |
| 6.1 | In Draft | 26/03/2019 | Richard Johnson/ Alison Cross | The following minor changes were made:   * 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 impacts and funding section (A6) to include further detail * 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 12th June 2019 |