

**DSC Change Proposal**

**Change Reference Number: XRN4772**

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| **Section A1: General Details** | | |
| **Change Title** | Composite Weather Variable (CWV) Improvements | |
| **Date Raised** | 25 September 2018 | |
| **Sponsor Organisation** | E.ON | |
| **Sponsor Name** | Kirsty Dudley / Sallyann Blackett | |
| **Sponsor Contact Details** | Kirsty.Dudley@eonenergy.com | |
| **Xoserve Contact Name** | Emma Smith | |
| **Xoserve Contact Details** | emma.smith@xoserve.com | |
| **Change Status** | Proposal / **With DSG** / Out for review / Voting / Approved or Rejected | |
| **Section A2: Impacted Parties** | | |
| **Customer Class(es)** | Shipper  National Grid Transmission  Distribution Network Operator  IGT | |
| **[Section A3: Proposer Requirements / Final (redlined) Change](C:\\Users\\Rebecca.perkins\\AppData\\Local\\Microsoft\\Windows\\Temporary Internet Files\\Content.Outlook\\EXD06YFG\\Change_Proposal_Template v2.0.docx" \o "WHAT – What is the required change? WHY – Why is the change needed? WHEN – Detail when the solution should be started/implemented.  )** | | |
| Modification 0659 is working to add into the UNC two new data items to improve the accuracy of the Composite Weather Variable (CWV) – this XRN is seeking to create the mechanism in which the solar radiation and precipitation values will be loaded into UK Link, the approach taken will be done by the CDSP prior to the data being loaded into Gemini so there will be no Gemini requirements as part of this change.  In the UNC Section H the CDSP already has the requirement to make changes as recommended by DESC and therefore we have raised this XRN to run in parallel with modification 0659. This means that all the preparatory work can be completed and the changes can align to the timings required for the 5 year review which the Demand Estimation Sub Committee (DESC) undertakes.  This XRN is all about the receipt and loading of the new data items, the way in which the data will be incorporated into the methodology will be devised and approved by DESC during their methodology review. As there needs to be pre-work to facilitate the DESC review the changes are to be done in two phases (currently in 1 XRN).  Phase 1: 2019 – Preparation to facilitate the 2020 methodology  The CDSP will work in an off-line capacity with DESC before finalising the changes for implementation. The CDSP envisage this to be offline and not to impact core systems but the full ‘capture’ review is required. A data request will go directly to DESC to assist with this.  Phase 2: 2020 – the implementation of 2020 methodology changes  Following the 2019 preparatory work – the changes instructed by DESC will be implemented (full scope TBC) but it is envisaged this will require changes to the SAP-ISU system and due to switching and other changes in 2020, that early development and delivery visibility is vital to ensure that it is delivered to the DESC timetable.  The data is to be captured as the following using existing agreements (as per 0659):   * Solar Radiation in j/cm2 for each weather station * Precipitation in mm for each weather station   Based on the data being provided by the current mechanism for wind speed and temperature (via the GDNs) the expectation is the data could be received on the same flow or a different extract whatever is easiest to facilitate, this change is not seeking to determine how the data is obtained as this discussion is between the CDSP and their current providers (GDNs through their weather contract).  The high-level requirements (overall – the phase to be determined by DESC and the CDSP) to assist with ‘Capture’:   * If the preference is for the data to be received on the same data flow as current data then the file format will change and changes to reflect the new format will be required. * If the choice is a second file then the system will need to be able to load and store the associated data items. * Ensure that data is loaded and stored in a central location so should DESC make changes in the future the data is accessible without unnecessary delays * Current data items are set at 2 or 4 hour intervals should the new data items be the same? To allow this change to proceed in tandem with the DESC analysis on the parameters required for CWV calculations without restricting the analysis it is recommended this data is hourly. * Use the new data items as additives rather than amending the charging calculation * Ideally obtain historic data back to 1/10/12 for each variable and weather station   Due to the DESC and CDSP timings it is recommended that data for Phase 1 is received no later than April 2019, this is why we have chosen the February major release of 2019, if the CDSP is able to relax the timings but still deliver to DESC the information for the 2020 methodology review then a later date could be suggested at ChMC.  It is recommended this is first developed by DESC rather than DSG due to the technical nature of the requirements and this XRN will evolve with at DESCs request. | | |
| **Proposed Release (Feb/Jun/Nov/Minor)** | **Phase 1: No later than February 2019**  **Phase 2: No later than October 2020** | |
| **Proposed Consultation Period** | 10 Working Days  20 Working Days  30 Working days  Other: | |
| **[Section A4: Benefits and Justification](C:\\Users\\Rebecca.perkins\\AppData\\Local\\Microsoft\\Windows\\Temporary Internet Files\\Content.Outlook\\EXD06YFG\\Change_Proposal_Template v2.0.docx" \o "Benefit Description: What, if any, are the intangible and tangible benefits of the change?Benefit Realisation:When are the benefits of the change likely to be realised? Benefit Dependencies:Detail any dependencies that are outside the scope.)** | | |
| **Benefit Description**  *What, if any, are the tangible benefits of introducing this change?*  *What, if any, are the intangible benefits of introducing this change?* | | The inclusion of the new data items into the DESC methodology with increase the accuracy and then reduce volatility. |
| **Benefit Realisation**  *When are the benefits of the change likely to be realised?* | | Mainly within the 2020 methodology review by DESC but could be recognised sooner depending on system changes applied once the data items have been received and loaded |
| **Benefit Dependencies**  *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.* | | There might be overlap with the recommendations of the UIG Task Force but as part of this XRN there is not expected to be any Gemini changes so the changes will be within UK Link. |
| **Section A5: Final Delivery Sub-Group (DSG) Recommendations** | | |
| *Until a final decision is achieved, please refer to section C of the form.* | | |
| **Final DSG Recommendation** | Approve / Reject / Defer | |
| **DSG Recommended Release** | Release X: Feb/Jun/Nov XX or Adhoc DD/MM/YYYY | |
| **Section A6: Funding** | | |
| **Funding Classes** | Shipper 50%  National Grid Transmission 0%  Distribution Network Operator 50%  IGT 0% | |
| **Service Line(s)** | DSC Service Area 15: Demand Estimation | |
| **ROM or funding details** |  | |
| **Funding Comments** |  | |
| **Section A7: ChMC Recommendation** | | |
| **Change Status** | Approve – Issue to DSG  Defer – Issue for review  Reject  Approved, this change will proceed to DSG; this was the verdict from the ChMC meeting on 10th October. | |
| **Industry Consultation** | 10 Working Days  20 Working Days  30 Working days  Other: | |
| **Expected date of receipt for responses (to Xoserve)** | XX/XX/XXXX | |
| **DSC Consultation** | | |
| **Issued** | Yes  No | |
| **Date Issued** |  | |
| **Comms Ref(s)** |  | |
| **Number of Responses** |  | |
| **Section A8: DSC Voting Outcome** | | |
| **Solution Voting** | Shipper Approve / Reject / NA / Abstain  National Grid Transmission Approve / Reject / NA / Abstain  Distribution Network Operator Approve / Reject / NA / Abstain  IGT Approve / Reject / NA / Abstain | |
| **Meeting Date** | XX/XX/XXXX | |
| **Release Date** | Release X: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY or NA | |
| **Overall Outcome** | Approved for Release X / Rejected | |

**Please send the completed forms to:** [**box.xoserve.portfoliooffice@xoserve.com**](mailto:box.xoserve.portfoliooffice@xoserve.com)

**Document Version History**

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| **Version** | **Status** | **Date** | **Author(s)** | **Summary of Changes** |
| 1.0 | Proposal | 02/10/18 | Xoserve | Proposal, ready to be sent to ChMC for the first time |
| 2.0 | Proposal | 02/10/18 | Xoserve | Appendix added |
| 3.0 | With DSG | 12/10/18 | Xoserve | Output from ChMC meeting on 10th October added |

**Template Version History**

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| --- | --- | --- | --- | --- |
| **Version** | **Status** | **Date** | **Author(s)** | **Summary of Changes** |
| 3.0 | Approved | 17/07/18 | Emma Smith | Template approved at ChMC on 11th July |
| 4.0 | Approved | 07/09/18 | Emma Smith | Minor wording amendments and additional customer group impact within Appendix 1 |



**Appendix 1**

**Change Prioritisation Variables**

Xoserve uses the following variables set for each and every change within the Xoserve Change Register, to derive the indicative benefit prioritisation score, which will be used in conjunction with the perceived delivery effort to aid conversations at the DSC ChMC and DSC Delivery Sub Groups to prioritise changes into all future minor and major releases.

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| **Change Driver Type** | CMA Order  MOD / Ofgem  EU Legislation  License Condition  BEIS  ChMC endorsed Change Proposal  SPAA Change Proposal  Additional or 3rd Party Service Request  Other*(please provide details below)* |
| **Please select the customer group(s) who would be impacted if the change is not delivered** | Shipper Impact iGT Impact Network Impact Xoserve Impact National Grid Transmission Impact |
| **Associated Change reference Number(s)** | **N/A** |
| **Associated MOD Number(s)** | **N/A** |
| **Perceived delivery effort** | 0 – 30  30 – 60  60 – 100  100+ days |
| **Does the project involve the processing of personal data?**  *‘Any information relating to an identifiable person who can be directly or indirectly identified in particular by reference to an identifier’ – includes MPRNS.* | Yes *(If yes please answer the next question)*  No |
| **A Data Protection Impact Assessment (DPIA) will be required if the delivery of the change involves the processing of personal data in any of the following scenarios:** | New technology  Vulnerable customer data  Theft of Gas  Mass data  Xoserve employee data  Fundamental changes to Xoserve business  Other*(please provide details below)*  *(If any of the above boxes have been selected then please contact The Data Protection Officer (Sally Hall) to complete the DPIA.* |
| **Change Beneficiary**  *How many market participant or segments stand to benefit from the introduction of the change?* | Multiple Market Participants  Multiple Market Group  All industry UK Gas Market participants  Xoserve Only  One Market Group  One Market Participant |
| **Primary Impacted DSC Service Area** | Service Area 15: Demand Estimation |
| **Number of Service Areas Impacted** | All  Five to Twenty  Two to Five  One |
| **Change Improvement Scale?**  *How much work would be reduced for the customer if the change is implemented?* | High  Medium  Low |
| **Are any of the following at risk if the change is not delivered?** | |
| Safety of Supply at risk Customer(s) incurring financial loss  Customer Switching at risk | |
| **Are any of the following required if the change is delivered?** | |
| Customer System Changes Required  Customer Testing Likely Required  Customer Training Required | |
| **Known Impact to Systems / Processes** | |
| **Primary Application impacted** | BW  ISU  CMS  AMT  EFT  IX  Gemini  Birst  Other *(please provide details below)* |
| **Business Process Impact** | AQ SPA RGMA  Reads Portal Invoicing  ☐ Other *(please provide details below)* |
| **Are there any known impacts to external services and/or systems as a result of delivery of this change?** | Yes *(please provide details below)*  No |
| **Please select customer group(s) who would be impacted if the change is not delivered.** | Shipper impact  Network impact  iGT impact  Xoserve impact  National Grid Transmission Impact |
| **Workaround currently in operation?** | |
| **Is there a Workaround in operation?** | Yes  No |
| **If yes who is accountable for the workaround?** | Xoserve  External Customer  Both Xoserve and External Customer |
| **What is the Frequency of the workaround?** |  |
| **What is the lifespan for the workaround?** |  |
| **What is the number of resource effort hours required to service workaround?** |  |
| **What is the Complexity of the workaround?** | Low *(easy, repetitive, quick task, very little risk of human error)*  Medium *(moderate difficult, requires some form of offline calculation, possible risk of human error in determining outcome)*  High *(complicate task, time consuming, requires specialist resources, high risk of human error in determining outcome)* |
| **Change Prioritisation Score** | 39% |

**Document Control**

**Version History**

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| --- | --- | --- | --- | --- |
| **Version** | **Status** | **Date** | **Author(s)** | **Summary of Changes** |
| 1 | Draft | 27/04/18 | Anesu Chivenga |  |