

**DSC Change Proposal**

**Change Reference Number: XRN4717**

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| **Change Title** | Use of up to date Forecast weather data in first NDM Nominations Run  |
| **Date Raised** | 12th July 2018 |
| **Sponsor Organisation** | Total Gas & Power |
| **Sponsor Name** | Louise Hellyer |
| **Sponsor Contact Details** | 01737 275638 |
| **Xoserve Contact Name** | Fiona Cottam |
| **Xoserve Contact Details**  | 0121 623 2695 |
| **Change Status** | Proposal / With DSG / Out for Consultation/ **Voting** / Approved or Rejected |
| **Section A1: Impacted Parties** |
| **Customer Class(es)** | [x]  Shipper[ ]  National Grid Transmission[x]  Distribution Network Operator[ ]  iGT |
| **Section A2: Proposer Requirements / Final (redlined) Change** |
| The first NDM Nominations run for a gas day (D) occurs at 11am on D-1. The NDM Nominations process requires a view of forecast weather. Currently the first NDM Nominations run uses a view of forecast weather which relates to the previous gas day. This can lead to imprecise estimates of NDM consumption and by association imprecise UiG quantity, particularly evident when they are large swings in weather patterns from one day to the next.SAP-ISU calculates the relevant weather variables and sends these to Gemini for use in the NDM Nominations process in a CWF file. The CWF files are sent several times per day.The 8am version of the CWF file currently only contains weather variables for one gas day. The requirement is for SAP-ISU to extract and send forecast weather data for an extra day in the 8am CWF file. This would bring it in line with the other versions sent at 12pm, 3pm and 11pm. Gemini must be able to receive this CWF file with the additional day and load it successfully and ensure the relevant NDM Nominations run uses the values provided. In addition the CWF file is also sent to MIPI (National Grid Data Item explorer website), this must also be able to accept the revised file and publish the data for the extra day.  |
| **Proposed Release** | **Minor release** |
| **Proposed Consultation Period**  | **10WD** / 30WD / XXWD |
| **Section A3: Benefits and Justification**  |
| **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 NDM Nominations energy value in Gemini and associated forecast UiG values are used by Shippers to guide their purchasing decisions. Using a view of forecast weather which relates to the correct gas day will mean the forecast NDM energy (and UiG) is likely to be more accurate/appropriate and closer to the ‘closed out’ allocation position.  |
| **Benefit Realisation** *When are the benefits of the change likely to be realised?* | Immediately following implementation |
| **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.* | The current weather data provided to SAP-ISU in the 8am Forecast weather file (.FWV) by the DN’s weather service provider(s) would need to include a view of forecast weather for the appropriate day and so there is a reliance on DN’s to put plans in place to make these changes. |
| **Section A4: Delivery Sub-Group (DSG) Recommendations**  |
|  |
| **DSG Recommendation** | Approve / Reject / Defer  |
| **DSG Recommended Release** | Release X: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY |
| **Section A5: DSC Consultation**  |
| **Issued** | **Yes** / No |
| **Date(s) Issued** | 10/08/2018 |
| **Comms Ref(s)** | 2043.3 – RJ - RH |
| **Number of Responses** | 5 approvals from Scottish Power, Orsted, WWU, EON and Total GP, |
| **Section A6: Funding** |
| **Funding Classes**  | **X** Shipper 50% ☐ National Grid Transmission XX% X Distribution Network Operator 50% ☐ iGT XX%  |
| **Service Area(s)** | 15 |
| **ROM or funding details**  |  |
| **Funding Comments**  |  |
| **Section A7: 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**  | 12/09/2018 |
| **Release Date** | Release X: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY or NA |
| **Overall Outcome**  | Approved for Release X / Rejected  |

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**Document Version History**

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| **Version** | **Status** | **Date** | **Author(s)** | **Summary of Changes** |
| 1.0 | For approval at ChMC | 08/08/18 | Simon Harris | Change proposal drafted |
| 2.0 | Section D populated | 10/08/18 | Simon Harris | High level solution option drafted ready for 10 day industry review |
| 3.0 | Section C, D and E updated | 18/08/18 | Simon Harris | Updated following ChMC on 8th August |
| 4.0 | Change Reps added | 28/08/18 | Simon Harris | Change Reps added |
| 5.0 | Additional Change Reps Added | 29/09/18 | Simon Harris | Change Reps added |
| 6.0 | DSG Discussion Added from 03/09/2018 | 07/09/18 | Simon Harris | DSG Comments Added |

 **Template Version History**

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| **Version** | **Status** | **Date** | **Author(s)** | **Summary of Changes** |
| 2.0  | Approved | 01/05/18  | Emma Smith | Layout and cosmetic changes made following internal review |

**Section C: DSC Change Proposal: DSG Discussion**

**(To be removed if no DSG Discussion is required; Xoserve to collate where DSG discussions occur)**

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| **Section C1: Delivery Sub-Group (DSG) Recommendations**  |
| **DSG Date** | 06/08/2018 |
| **DSG Summary** |
| Change presented as a new change. The prioritisation score of 31% was ratified and agreed at DSG. |
| **Capture Document / Requirements** | INSERT |
| **DSG Recommendation** | Approve / Reject / Defer N/A was for information only |
| **DSG Recommended Release** | Release X: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY |
| **Section C2: Delivery Sub-Group (DSG) Recommendations**  |
| **DSG Date** | 03/09/2018 |
| **DSG Summary** |
| SH presented slides 43 to 46 to DSG. SH explained that a Change Pack was raised on 10th August to look at the possibility of using up to date weather forecast data in first NDM nomination. Following discussions with reviewers, it was agreed that the solution review closeout should be extended to the 11th September. SH presented the current process associated with this change on slide 45. SH explained that the process will remain the same, following the implementation of the change, but the W11 record will be included for the next day as depicted on slide 46. In addition, on slide 46 SH presented the perceived impacts of the change, as indicated by the yellow explosion marks. |

**Section D: DSC Change Proposal High Level Solution Options**

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| **Section D1: Solution Options**  |
| **High Level summary options** |
|  At Change Managers Committee meeting on 8th August, it was decided to progress this change to a status whereby the industry will provide a consultation on the single solution option available:The industry was originally expected to provide their consultation within 10 days of the distribution of the Change Pack, which was sent out on 10th August (deadline being 24th August). *Following feedback from industry participants it was requested that more information is given relating to the proposed change and an extension to the Solution Review deadline. In light of this, the Change Pack is to be re-issued and the deadline extended to the 11th September. Any responses already received will stand unless any amendment is received.* **Please Note: As this change in relation to UIG and due to the limited solution options available (i.e. slight amendment to an already existing process) has not gone to DSG for solution review.** Solution Option - CWF & FWV files Weather Service Providers (WSP) send data to the DN’s containing forecasted temperature and wind speeds for the day (today) and for tomorrow. DN’s then pass this data onto UKL via the FWV file at agreed times (7am, 11am, 2pm & 10pm), however the 7am FWV only contains forecasted temperature and wind speeds for the day (W10 record), no data is passed for tomorrow’s forecast (W11) unlike the later job runs that contain both (W10 & W11 records).

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| **Timeslot** | **Data for today (W10)** | **Data for tomorrow (W11)** |
| 7am | Yes | No |
| 11am | Yes | Yes |
| 2pm | Yes | Yes |
| 10pm | Yes | Yes |

The FWV file that is sent by the DN’s to Xoserve via FTP and is then processed into SAP-ISU (UKL) and used (along with other standing data items) to produce the Forecast Composite Weather Variable (CWV) value. The CWV is then sent to Gemini & MIPI (NTS system) in the CWF file via AMT at regular intervals (8am, 12pm, 3pm & 11pm) and is used in the NDM Nominations process. For the 8am CWV calculation in SAP-ISU (UKL), in the absence of forecast data for tomorrow, it will use the most recent data it has, which would be the previous days actual, this would affect NDM nominations, especially when there are big changes in weather from one day to the next. This solution looks to replicate the later FWV file runs and allow SAP-ISU to process the additional next day weather data (W11 records) received at 7am in the CWV calculation (and subsequently pass this calculated value onto Gemini). This will ensure that the 11am NDM Nomination process uses the most up-to-date forecast data it can, ensure it is more accurate. A pre-requisite for SAP-ISU to accept and process the additional data is for the DN’s to include the tomorrow forecast (W11) data in the 7am FWV file so all FWV files contain both day and tomorrow forecast for temp and wind speeds.

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| **Timeslot** | **Data for today (W10)** | **Data for tomorrow (W11)** |
| 7am | Yes | Yes |
| 11am | Yes | Yes |
| 2pm | Yes | Yes |
| 10pm | Yes | Yes |

This is an existing process that is being slightly amended to reflect the later job runs, no file format changes are expected, just additional data being received within the files. |
| **Implementation date for this solution option** | Expected that this change can be implemented outside of a major release (further guidance to be provided once capture and high level impact assessment is complete)  |
| **Xoserve preferred option; including rationale** | N/A - Agreed that only 1 solution is to be considered for this change. |
| **DSG preferred solution option; including rationale** | N/A - ChMC agreed that as there is only 1 solution being considered then solution recommendation at DSG is to be bypassed and sent straight for solution review. |
| **Consultation close out date** | ~~24~~~~th~~ ~~August 2018~~Revised: 11th September 2018 |

**Section E: DSC Change Proposal: Industry Response Solution Options**

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| --- | --- |
| **User Name** |  Claire Roberts – Scottish Power |
| **User Contact Details** |  ClaireLouise.Roberts@ScottishPower.com  |
| **Section E1: Organisation’s preferred solution option, including rationale taking into account costs, risks, resource etc.**  |
| ScottishPower would support this change proposal, as this will improve temperature data feeding Nominations.  |
| **Implementation date for this option** | Approve / Reject / Defer |
| **Xoserve preferred solution option** | Approve / Reject / Defer |
| **DSG preferred solution option** | Approve / Reject / Defer |
| **Publication of consultation response** | Publish |
| **Xoserve’s Response to Organisation’s Comments** | Thank you for your comments. |

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**Section E: DSC Change Proposal: Industry Response Solution Options**

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| **User Name** | Richard Pomroy |
| **User Contact Details** | richard.pomroy@wwutilities.co.uk |
| **Section E2: Organisation’s preferred solution option, including rationale taking into account costs, risks, resource etc.**  |
| WWU are willing to amend our contract but are unable to send a change request until theCDSP sends us its detailed requirements. |
| **Implementation date for this option** | Approve / Reject / Defer |
| **Xoserve preferred solution option** | Approve / Reject / Defer |
| **DSG preferred solution option** | Approve / Reject / Defer |
| **Publication of consultation response** | Publish |
| **Xoserve’s Response to Organisation’s Comments** | Thank you for comments. We intend add the detailed requirements, reissue the Change Pack and extend the closeout date to 6th September. |

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**Section E: DSC Change Proposal: Industry Response Solution Options**

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| **User Name** | Kirsty Dudley |
| **User Contact Details** | 07816 172 645 |
| **Section E3: Organisation’s preferred solution option, including rationale taking into account costs, risks, resource etc.**  |
| We are happy to support this proposal as we believe it will deliver the benefits the proposer describes. We would prefer an implementation date as soon as possible but will support the majority view. |
| **Implementation date for this option** | Approve  |
| **Xoserve preferred solution option** | Approve  |
| **DSG preferred solution option** | Approve  |
| **Publication of consultation response** | Publish |
| **Xoserve’s Response to Organisation’s Comments** | Thank you for comments. |

**Section E: DSC Change Proposal: Industry Response Solution Options**

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| **User Name** | Lorna Lewin |
| **User Contact Details** | lolew@orsted.co.uk 0207 451 1974 |
| **Section E4: Organisation’s preferred solution option, including rationale taking into account costs, risks, resource etc.**  |
| There is only one solution for this change which we fully support. |
| **Implementation date for this option** | Approve  |
| **Xoserve preferred solution option** | Approve  |
| **DSG preferred solution option** | Approve  |
| **Publication of consultation response** | Publish  |
| **Xoserve’s Response to Organisation’s Comments** | Thank you for comments. |

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**Section E: DSC Change Proposal: Industry Response Solution Options**

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| **User Name** | Louise Hellyer |
| **User Contact Details** | **Louise.hellyer@totalgp.com** |
| **Section E5: Organisation’s preferred solution option, including rationale taking into account costs, risks, resource etc.**  |
| We support the proposed solution as we believe that this will materially improve the 11am nominations and therefore the UIG nomination at the same time. Currently the general industry view of the 11am nominations is that they are unreliable and should not be used. This change will make a step towards making the run useful. |
| **Implementation date for this option** | Approve  |
| **Xoserve preferred solution option** | Approve  |
| **DSG preferred solution option** | Approve  |
| **Publication of consultation response** | Publish  |
| **Xoserve’s Response to Organisation’s Comments** | Thank you for comments. |

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**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 [x]  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** | [x] Shipper Impact [ ] IGT Impact [ ] Network Impact [ ] Xoserve Impact [ ] National Grid Transmission Impact  |
| **Associated Change reference Number(s)** |  |
| **Associated MOD Number(s)** |  |
| **Perceived delivery effort** | [x]  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)* [x]  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 [x]  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 [x]  One  |
| **Change Improvement Scale?** *How much work would be reduced for the customer if the change is implemented?* | [x]  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 [x]  ISU [ ]  CMS [ ]  AMT [ ]  EFT [ ]  IX [x]  Gemini [ ]  Birst [ ]  Other *(please provide details below)* |
| **Business Process Impact**  | [ ] AQ [ ] SPA [ ] RGMA[ ] Reads [ ] Portal [ ] Invoicing [x]  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)*[x]  No |
| **Please select customer group(s) who would be impacted if the change is not delivered.**  | [x]  Shipper impact [ ]  Network impact [ ]  IGT impact [ ]  Xoserve impact [ ]  National Grid Transmission Impact |
| **Workaround currently in operation?** |
| **Is there a Workaround in operation?**  | [ ]  Yes [x]  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** | 31% |