



DSC Change Proposal

Change Reference Number: XRN4717

Customers to fill out all of the information in this colour ■

Xoserve to fill out all of the information in this colour ■

Change Title	Use of up to date Forecast weather data in first NDM Nominations Run
Date Raised	12 th 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 229 2199
Change Status	Proposal / With DSG / Out for Consultation / Voting / Approved or Rejected
Section A1: Impacted Parties	
Customer Class(es)	<input checked="" type="checkbox"/> Shipper <input type="checkbox"/> National Grid Transmission <input checked="" type="checkbox"/> Distribution Network Operator <input type="checkbox"/> iGT
Section A2: Proposer Requirements / Final (redlined) Change	
<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	
Proposed Release	Minor release
Proposed Consultation Period	<u>10WD</u> / 30WD / XXWD
Section A3: Benefits and Justification	
Benefit Description <i>What, if any, are the tangible benefits of introducing this change? What, if any, are the intangible benefits of introducing this change?</i>	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 <i>When are the benefits of the change likely to be realised?</i>	Immediately following implementation
Benefit Dependencies <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>	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	<input checked="" type="checkbox"/> Shipper 50% <input type="checkbox"/> National Grid Transmission XX% <input checked="" type="checkbox"/> Distribution Network Operator 50% <input type="checkbox"/> iGT XX%
Service Area(s)	15: Demand Estimation
ROM or funding details	
Funding Comments	
Section A7: DSC Voting Outcome	
Solution Voting	<input type="checkbox"/> Shipper Approve <input type="checkbox"/> National Grid Transmission <input type="checkbox"/> Distribution Network Operator Approve <input type="checkbox"/> iGT
Meeting Date	10/10/2018
Release Date	Minor Release – June 2019 is a backup
Overall Outcome	The funding arrangements for the change were approved. ChMC approved for this change to be included within a minor release if it can be implemented before June 2019. If not, then 4717 is approved to be included within the June 2019 Release.

Please send the completed forms to: <mailto:box.xoserve.portfoliooffice@xoserve.com>

Document Version History

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 8 th 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
7.0	ChMC Deferred	14/09/18	Simon Harris	ChMC decided to defer this meeting to the October occurrence
8.0	Approved	12/10/18	Simon Harris	Sections A7 updated, and section F added, following ChMC on 10/10/18

Template Version History

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)

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	
<p>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.</p> <p>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.</p>	

Section D: DSC Change Proposal High Level Solution Options

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).

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.

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.

The High Level Impact Assessment is here:



XRN4717 - High Level System Solution

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	24th August 2018 Revised: 11 th September 2018

Section E: DSC Change Proposal: Industry Response Solution Options

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.	
<p>ScottishPower would support this change proposal, as this will improve temperature data feeding Nominations.</p>	

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 your comments.

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

Section E: DSC Change Proposal: Industry Response Solution Options

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.	
<p>WWU are willing to amend our contract but are unable to send a change request until the CDSP sends us its detailed requirements.</p>	
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. We intend add the detailed requirements, reissue the Change Pack and extend the closeout date to 6 th September.

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

Section E: DSC Change Proposal: Industry Response Solution Options

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.	
<p>We are happy to support this proposal as we believe it will deliver the benefits the proposer describes.</p> <p>We would prefer an implementation date as soon as possible but will support the majority view.</p>	

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

User Name	Lorna Lewin
User Contact Details	lollew@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

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

Section E: DSC Change Proposal: Industry Response Solution Options

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

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

Section F: DSC Change Proposal: Approved Solution Option

Section F1: Solution Option for XRN4717	
<p>The funding arrangements for the change were approved. ChMC approved for this change to be included within a minor release if it can be implemented before June 2019. If not, then 4717 is approved to be included within the June 2019 Release.</p>	
Implementation date	Minor Release – Date to be confirmed – June 2019 as a backup
Approved by	Change Management Committee
Date of approval	10/10/2018

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.

Change Driver Type	<input type="checkbox"/> CMA Order <input type="checkbox"/> MOD / Ofgem <input type="checkbox"/> EU Legislation <input type="checkbox"/> License Condition <input type="checkbox"/> BEIS <input checked="" type="checkbox"/> ChMC endorsed Change Proposal <input type="checkbox"/> SPAA Change Proposal <input type="checkbox"/> Additional or 3 rd Party Service Request <input type="checkbox"/> Other <i>(please provide details below)</i>
Please select the customer group(s) who would be impacted if the change is not delivered	<input checked="" type="checkbox"/> Shipper Impact <input type="checkbox"/> IGT Impact <input type="checkbox"/> Network Impact <input type="checkbox"/> Xoserve Impact <input type="checkbox"/> National Grid Transmission Impact
Associated Change reference Number(s)	
Associated MOD Number(s)	
Perceived delivery effort	<input checked="" type="checkbox"/> 0 – 30 <input type="checkbox"/> 30 – 60 <input type="checkbox"/> 60 – 100 <input type="checkbox"/> 100+ days
Does the project involve the processing of personal data? <i>'Any information relating to an identifiable person who can be directly or indirectly identified in particular by reference to an identifier' – includes MPRNS.</i>	<input type="checkbox"/> Yes <i>(If yes please answer the next question)</i> <input checked="" type="checkbox"/> 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:	<input type="checkbox"/> New technology <input type="checkbox"/> Vulnerable customer data <input type="checkbox"/> Theft of Gas <input type="checkbox"/> Mass data <input type="checkbox"/> Xoserve employee data <input type="checkbox"/> Fundamental changes to Xoserve business <input type="checkbox"/> Other <i>(please provide details below)</i> <i>(If any of the above boxes have been selected then please contact The Data Protection Officer (Sally Hall) to complete the DPIA.)</i>
Change Beneficiary <i>How many market participant or segments stand to benefit from the introduction of the change?</i>	<input type="checkbox"/> Multiple Market Participants <input type="checkbox"/> Multiple Market Group <input type="checkbox"/> All industry UK Gas Market participants <input type="checkbox"/> Xoserve Only <input checked="" type="checkbox"/> One Market Group <input type="checkbox"/> One Market Participant
Primary Impacted DSC Service Area	Service Area 15: Demand Estimation
Number of Service Areas Impacted	<input type="checkbox"/> All <input type="checkbox"/> Five to Twenty <input type="checkbox"/> Two to Five <input checked="" type="checkbox"/> One
Change Improvement Scale? <i>How much work would be reduced for the customer if the change is implemented?</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low
Are any of the following at risk if the change is not delivered?	
<input type="checkbox"/> Safety of Supply at risk <input type="checkbox"/> Customer(s) incurring financial loss <input type="checkbox"/> Customer Switching at risk	
Are any of the following required if the change is delivered?	
<input type="checkbox"/> Customer System Changes Required <input type="checkbox"/> Customer Testing Likely Required <input type="checkbox"/> Customer Training Required	
Known Impact to Systems / Processes	
Primary Application impacted	<input type="checkbox"/> BW <input checked="" type="checkbox"/> ISU <input type="checkbox"/> CMS <input type="checkbox"/> AMT <input type="checkbox"/> EFT <input type="checkbox"/> IX <input checked="" type="checkbox"/> Gemini <input type="checkbox"/> Birst <input type="checkbox"/> Other <i>(please provide details below)</i>
Business Process Impact	<input type="checkbox"/> AQ <input type="checkbox"/> SPA <input type="checkbox"/> RGMA <input type="checkbox"/> Reads <input type="checkbox"/> Portal <input type="checkbox"/> Invoicing <input checked="" type="checkbox"/> Other <i>(please provide details below)</i>
Are there any known impacts to external services and/or systems as a result of delivery of this change?	<input type="checkbox"/> Yes <i>(please provide details below)</i> <input checked="" type="checkbox"/> No
Please select customer group(s) who would be impacted if the change is not delivered.	<input checked="" type="checkbox"/> Shipper impact <input type="checkbox"/> Network impact <input type="checkbox"/> IGT impact <input type="checkbox"/> Xoserve impact <input type="checkbox"/> National Grid Transmission Impact
Workaround currently in operation?	
Is there a Workaround in operation?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes who is accountable for the workaround?	<input type="checkbox"/> Xoserve <input type="checkbox"/> External Customer <input type="checkbox"/> 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?	<input type="checkbox"/> Low <i>(easy, repetitive, quick task, very little risk of human error)</i> <input type="checkbox"/> Medium <i>(moderate difficult, requires some form of offline calculation, possible risk of human error in determining outcome)</i> <input type="checkbox"/> High <i>(complicate task, time consuming, requires specialist resources, high risk of human error in determining outcome)</i>
Change Prioritisation Score	31%

