DSC Change Proposal

Change Reference Number: XRN4772

Customers to fill out all of the information in this colour

Xoserve to fill out all of the information in this colour

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	

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	
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
DSG Recommended Release	Release : June 2020
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	Costs are shown in the HLSO in section D. There will be an additional estimated cost of around £15,000 - £20,000 per annum for the Weather Service Provider to provide weather data files with hourly observations which will be covered under DSC Service Area 15.
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)	01/03/2019
DSC Consultation	
Issued	☒ Yes ☐ No
Date Issued	15/02/2019 18/11/2019
Comms Ref(s)	2234.6 – RJ – ES 2489.3 – RT - PO
Number of Responses	6 (approvals) 6 (approvals)
Section A8: DSC Voting Outcome	
Solution Voting	☒ Shipper Approve ☐ National Grid Transmission NA ☒ Distribution Network Operator Approve ☐ IGT NA
Meeting Date	13/03/2019
Release Date	June 2020
Overall Outcome	Approved

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

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	**15/10/2018**
DSG Summary	
The description of the change, and the change prioritisation was presented to DSG (slide 62). David Addison (DA) explained that the CWV is currently derived from two data items: temperature and wind speed. The purpose of this change is to add two more data items that calculate the CWV; these include precipitation and solar gain. Regarding this change, it is important to consider how the data for these new data items will be acquired, and then analyse their effect on the CWV. Secondly, it is also important to consider how to make the changes within Xoserve's SAP ISU system to obtain the new weather files from the weather forecast provider. The perceived delivery effort of the change is 100 plus days. The system changes associated with this XRN is required by June 2020. DA stated that the first stage will involve analysis. David Hipwell (DH) asked if this change could have any impact, or any association, with UIG. DA and SH stated no at first, but agreed to take it away as an action. SH stated that it would affect gas nominations and allocations, but not the AQ. LW stated that this is in scope for UIG investigation.	
Capture Document / Requirements	N/A
DSG Recommendation	N/A
DSG Recommended Release	N/A

Section C2: Delivery Sub-Group (DSG) Recommendations	
DSG Date	**04/02/2019**
DSG Summary	
Megan Troth (MT) presented the results of the Solution Option Impact Assessment, for the above change, to DSG. MT started by providing a summary of the change: according to UNC Modification 0659, the requirement is to get the solar radiation and precipitation values considered as a weather variable in order to improve the accuracy of the Composite Weather Variables (CWV). At this time forecast and actual temperature and wind speed are considered by the CWV calculation. MT informed DSG of the only Solution Option: amend the existing means that data is loaded to UK Link systems to 1 are used in the CWV calculation process. MT summarised the impacted systems and the associated assumptions, which can be found on slide 32. MT's presentation indicated Shippers as the only impacted parties, but assured DSG that there would be direct impact on Shippers as the impacted file formats in question are CDSP to WSP (Weather Service Provider) flows. MT also stated that this change is expected to be included in a major release; the exact release for implementation has not been decided yet. DSG provided no comments.	
Capture Document / Requirements	N/A
DSG Recommendation	N/A
DSG Recommended Release	N/A

Section D: DSC Change Proposal High Level Solution Options

Section D1: Solution Options
High Level summary options
Solution Option 1: XRN4772 - High Level Solution Option The above Solution Option Impact Assessment was presented at DSG on 4th February. There is a requirement to get Solar Radiation and Precipitation values added as a weather variable to improve the accuracy of the CWV calculation. This is also expected to create improvements to the accuracy of the NDM allocation/nomination in Gemini which will benefit the Gas Balancing regime. Even though we have identified this change as Shipper impacting, this is indirect as the CWV calculation will be changed to improve accuracy; however this requires no change from a Shipper system perspective. Any file format changes will be between the CDSP and the Weather Service Provider to account for the additional variables. We have only presented one Solution Option for this change as this was originally in line with the MOD (0659), however due to the fact that this change is now delivering all requirements, the MOD has now been withdrawn as it is no longer required. We are aiming for this change to be implemented as part of a Major Release, potentially June 2020 Release. We are asking parties for their view on the proposed solution option, and for confirmation that this change appropriately fits into June 2020 Release.

Implementation date for this solution option	June 2020 Release (TBC)
Xoserve preferred option; including rationale	Option 1
DSG preferred solution option; including rationale	Option 1
Consultation close out date	1st March 2019

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

User Name	Lorna Lewin
User Contact Details	lolew@orsted.co.uk 0207 451 1974
Section E1: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	
We support the only option presented	
Implementation date for this option	Approve
Xoserve preferred solution option	Approve
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E1: Xoserve' s Response to Organisations Comments	Thank you for your comments.

User Name	**Kirsty Dudley**
User Contact Details	Kirsty.Dudley@eonenergy.com

Section E2: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.

We support the delivery of this change, and the funding proposal.

We have noted a couple of comments from the document:

"*SH stated that it would affect gas nominations and allocations, but not the AQ***"**
We are not sure that is true as these items will also impact the seasonal normal values – and therefore the weather correction that will go into the AQ calculation. Can this be reviewed and confirmation be provided?

MT's presentation indicated Shippers as the only impacted parties, but assured DSG that there would be direct impact on Shippers as the impacted file formats in question are CDSP to WSP (Weather Service Provider) flows.
We believe the CWV will remain a single value per day, so from a shipper perspective there is no change. So, should this have read no direct impact? Can this be reviewed and confirmation be provided?

We believe this XRN matches the main UIG task force findings and will make a material improvement to allocation and UIG levels and therefore we recommend approval.

We support implementation which ensures the 2020 methodology sees the benefit, we note June 2020 is currently quoted and we support this only if it works with the overall 2020 methodology.

Implementation date for this option	Approve
Xoserve preferred solution option	Approve
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E2: Xoserve' s Response to Organisations Comments	Thank you for your comments.

User Name	**Eleanor Laurence**
User Contact Details	**Eleanor.laurence@edfenergy.com / 07875 117771**
Section E3: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	
We support the use of solar radiation and precipitation data in the CWV calculation. This CR will facilitate Xoserve obtaining the data so that they can derive the CWV parameters and calculate the CWV going forwards.	
Implementation date for this option	Approve
Xoserve preferred solution option	Approve
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E3: Xoserve' s Response to Organisations Comments	Thank you for your comments.

User Name	**Amie Charalambous**
User Contact Details	**07917271763**
Section E4: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	
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 ~~/ Private~~
Section E4: Xoserve' s Response to Organisations Comments	Thank you for your comments.

User Name	**Megan Coventry, Southern Electric Gas Limited, SSE Energy Supply Limited**
User Contact Details	**Megan.coventry@sse.com, 02392277738**
Section E5: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	
We agree with Solution Option 1.	
Implementation date for this option	Approve
Xoserve preferred solution option	Approve
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E5: Xoserve' s Response to Organisations Comments	Thank you for your comments.

User Name	**Kate Mulvany Centrica**
User Contact Details	**07789 572 420 kate.mulvany@centrica.com**
Section E6: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	
Implementation date for this option	Approve
Xoserve preferred solution option	Approve
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E6: Xoserve' s Response to Organisations Comments	Thank you for your comments.

Section F: DSC Change Proposal: Approved Solution Option (

Section F1: Solution Option for XRN4772	
To amend the existing means that data is loaded to UK Link systems to be used in the CWV calculation process	
Implementation date	June 2019 Release
Approved by	Change Management Committee
Date of approval	15/03/2019

Section G: Change Pack

G1: Communication Detail

Comm Reference:	2489.3 – RT - PO
Comm Title:	XRN4772 - Composite Weather Variable (CWV) Improvements - Detailed Design
Comm Date:	18/11/2019

G2: Change Representation

Action Required:	For representation
Close Out Date:	02/12/2019

G3: Change Detail

Xoserve Reference Number:	XRN4772
Change Class:	Functional Change
ChMC Constituency Impacted:	Shipper & Distribution Networks
Change Owner:	Simon Harris (Customer Change Service Development Specialist) simon.harris@xoserve.com 0121 229 2642 Mark Perry (Demand Estimation Business Process Manager) mark.j.perry@xoserve.com 0121 229 2405
Background and Context:	Link to CP During development of UNC Modification 0659S (subsequently withdrawn) and as agreed in DESC meeting on the 22nd July 2019 it was approved that the CDSP start using Solar Radiation and Precipitation values within the calculation of the Composite Weather Variable (CWV) in order to attempt to improve its accuracy with respect to estimating demand. Currently only Forecast & Actual Temperature and Wind Speed are considered by the CWV calculation: • Temperature readings taken/forecasted every 2 hours • Wind speed readings taken/forecasted every 4 hours Proposing to include Solar Radiation and Precipitation values (as well as the above) within the Composite Weather Variable calculation • Solar Radiation in KJ/m2 for each weather station • Precipitation in mm for each weather station*

	Proposing to also update the CWV formula using hourly readings for all weather variables. ** Note the Precipitation effect within the proposed new CWV formula will lie dormant until such time DESC has analysed the effects of Precipitation on demand.* The Composite Weather Variable is an essential data item used within Demand Estimation and is designed to produce a linear relationship between weather (CWV) and gas demand. The CWV is required to support the NDM algorithm which calculates forecast NDM demand (Nominations) and actual NDM demand (Allocations). By considering these additional weather variables it is expected that the accuracy of NDM gas nominations and allocations will improve (along with potentially reducing UIG) which will have consequential benefits to the gas balancing regime managed within UK Link Gemini. XRN4772 was raised to facilitate the required changes within UK Link suite of systems.

G4: Change Impact Assessment Dashboard (UK Link)

Functional:	Demand Estimation
Non-Functional:	None
Application:	SAP ISU, SAP PO
User(s):	Shippers & Distribution Networks
Documentation:	None
Other:	None

Files				
File	Parent Record	Record	Data Attribute	Hierarchy or Format Agreed
N/A	N/A	N/A	N/A	N/A

G5: Change Design Description

Most of the amendments to be undertaken as part of this change are internal to CDSP systems, the Weather Service Provider file formats Actual Weather Values (AWV) & Forecast Weather Values (FWV) will be modified to include the new values for Solar Radiation and Precipitation for hourly intervals and the tables within SAP ISU (UK Link) extended to store the additional weather data items. New internal exceptions will be created if there are any incorrect format or values received prior to processing.

Although the system changes to facilitate this XRN to receive and store the new Solar Radiation and Precipitation values are to be deployed to UK Link systems in June 2020 (due to major release cycles) the new CWV formula will not 'take effect' within the CWV Calculation process until the 1st October 2020.

The new values received will feed into the CWV Calculation process with the formula for calculating the value to be amended to take into account the new weather data items. All downstream process that use CWV values will remain unchanged.

For the avoidance of doubt, the only external files effected as part of this change (AWV & FWV) are files sent from the Weather Service Provider to the CDSP, so no Customer facing file formats are being amended as part of this change. There will however be a requirement to amend/create some internal SAP-ISU files.

Please note that the CDSP is procuring its own contract with a WSP and so minor consequential changes to DN's contracts with their WSP will be necessary.

No functional impacts or systems changes to Gemini or MIPI are needed as a result of this change.

G6: Associated Changes

Associated Change(s) and Title(s):	N/A

G7: DSG

Target DSG discussion date:	N/A
Any further information:	N/A

G8: Implementation

Target Release:	June 2020
Status:	Approved

Please see the following page for representation comments template; responses to uklink@xoserve.com

Section H: Representation Response

H1: Change Representation

(To be completed by User and returned for response)

User Contact Details:	Organisation:	NGN	
	Name:	Helen Chandler	
	Email:	HChandler@northerngas.co.uk	
	Telephone:	07580704123	
Representation Status:	Support		
Representation Publication:	Publish		
Representation Comments:	We are supportive of this change as the inclusion of Solar Radiation and Precipitation within the Composite Weather Variable (CWV) calculation should improve demand estimation accuracy. As no changes are expected to external file formats and any changes to existing Meteo contracts should be of a minor consequential nature, we have not identified any system changes required or additional costs for NGN.		
Confirm Target Release Date?	Yes	«h1_userDataAlternative»	

H1: Xoserve' s Response

Xoserve Response to Organisations Comments:	Thank you for your representation, we will feed this into ChMC for a final decision.

Please send the completed representation response to uklink@xoserve.com

H1: Change Representation

(To be completed by User and returned for response)

User Contact Details:	Organisation:	Npower Ltd
	Name:	Alison Price
	Email:	alison.price@npower.com
	Telephone:	07557202065
Representation Status:	Large Shipper	
Representation Publication:	Publish	
Representation Comments:	No comments	
Confirm Target Release Date?	Yes	«h1_userDataAlternative»

H1: Xoserve' s Response

Xoserve Response to Organisations Comments:	Thank you for your representation, we will feed this into ChMC for a final decision.

Please send the completed representation response to uklink@xoserve.com

H1: Change Representation

(To be completed by User and returned for response)

User Contact Details:	Organisation:	EDF Energy
	Name:	Eleanor Laurence
	Email:	eleanor.laurence@edfenergy.com
	Telephone:	07875117771
Representation Status:	Approve	
Representation Publication:	Publish	
Representation Comments:	None	
Confirm Target Release Date?	Yes	«h1_userDataAlternative»

H1: Xoserve' s Response

Xoserve Response to Organisations Comments:	Thank you for your representation, we will feed this into ChMC for a final decision.

Please send the completed representation response to uklink@xoserve.com

H1: Change Representation

(To be completed by User and returned for response)

User Contact Details:	Organisation:	E.ON	
	Name:	Kirsty Dudley	
	Email:	Kirsty.Dudley@eonenergy.com	
	Telephone:	07816172645	
Representation Status:	Response		
Representation Publication:	Publish		
Representation Comments:	We are supportive of the solution and the implementation timings, however, we have concerns regarding testing and implementation. Recently the EUC changes were delivered, which then resulted in multiple post implementation issues. We would ideally like this change to be implemented with little to no defect or issue fixing. We'd like to see some way of applying the lessons learned into June 2020 deliverables and improved confidence/trust that delivery will go without a hitch. This goes for all deliverables, but we have raised concerns on this change as E.ON championed this change. The only part of the solution which doesn't appear to be clearly outlined is the approach taken to missing or extreme values? We don't want this question to delay delivery but more seeking clarity.		
Confirm Target Release Date?	Yes	«h1_userDataAlternative»	

H1: Xoserve' s Response

Xoserve Response to Organisations Comments:	Thank you for your representation and concerns. We will feed these into the project team to ensure they are taken into consideration as part of delivery and discuss at ChMC for a final decision.

Please send the completed representation response to uklink@xoserve.com

H1: Change Representation

(To be completed by User and returned for response)

User Contact Details:	Organisation:	Orsted
	Name:	Lorna Lewin
	Email:	lolew@orsted.co.uk
	Telephone:	02074511974
Representation Status:	Approve	
Representation Publication:	Publish	
Representation Comments:	We support this change.	
Confirm Target Release Date?	Yes	«h1_userDataAlternative»

H1: Xoserve' s Response

Xoserve Response to Organisations Comments:	Thank you for your representation, we will feed this into ChMC for a final decision.

Please send the completed representation response to uklink@xoserve.com

H1: Change Representation

(To be completed by User and returned for response)

User Contact Details:	Organisation:	Scottish Power
	Name:	Helen Bevan
	Email:	Helen.Bevan@scottishpower.com
	Telephone:	01416155517

Representation Status:	Support	
Representation Publication:	Publish	
Representation Comments:	N/A	
Confirm Target Release Date?	Yes	«h1_userDataAlternative»

H1: Xoserve' s Response

Xoserve Response to Organisations Comments:	Thank you for your representation, we will feed this into ChMC for a final decision.

Please send the completed representation response to uklink@xoserve.com

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	☐ 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 Version History

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
4.0	With DSG	19/10/18	Xoserve	DSG notes from meeting on 15th October added to DSG
5.0	With DSG	11/02/19	Xoserve	DSG notes from meeting on 4th February added
6.0	Out for review (solution)	15/02/19	Xoserve	Sent out for solution review
7.0	Out for review (solution)	04/03/19	Xoserve	Reps added
Approved	Approved	15/03/19	Xoserve	Preferred solution option and intended release approved at ChMC on 13th March 2019

8.0	With ChMC	10/12/19	Rachel Taggart	Change Pack and Reps added

Template Version History

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