



DSC Change Proposal

Change Reference Number: XRN4621

Change Title	Suspension of the Validation between Meter Index and Unconverted Converter Index
Date Raised	23/02/2018
Sponsor Organisation	Orsted
Sponsor Name	Lorna Lewin
Sponsor Contact Details	02074511974 LOLEW@orsted.co.uk
CDSP Contact Name	David Addison
CDSP Contact Details	0121 229 2138 / 07428559800 david.addison@xoserve.com
Change Status	Approved
Section 1: Impacted Parties	
Customer Class(es)	<input checked="" type="checkbox"/> Shipper <input type="checkbox"/> Distribution Network Operator <input type="checkbox"/> iGTs <input type="checkbox"/> National Grid Transmission
Section 2: Proposed Change Solution / Final (redlined) Change	
<p>During Nexus Implementation the validation between the meter index and the unconverted converter index was suspended.</p> <p>Within the approved change pack we stated:</p> <p>As a result of the change we recognised where meter, converter and AMR devices were present that “the AMR devices may be configured to either record the meter or uncorrected indexes in addition to the corrected index. Whilst it is acknowledged that AMR devices may only return two indexes from site this situation is currently encountered in the existing UK Link solution and User systems provide the relevant reading indexes to satisfy the conditionality.”</p> <p>Xoserve previously provided the attached issue paper to the industry for discussion and to try to set out the requirements and solution. No solution was agreed and Xoserve indicated that they intended to solicit further industry input.</p> <p> Issue Paper - Suspension of the Val</p> <p>This change proposal is raised to ensure the industry supports the principal to assess the relevant indexes to be provided and the necessary validations. This change proposal will enable Xoserve to assess the relevant solution options, impacts to file formats and necessary governance changes.</p>	
Proposed Release	R4 – June 2019 (by the customer)
Proposed IA Period	15WD
Section 3: Benefits and Justification	
<p>Where AMR devices are fitted at Supply Meter Points in addition to a converter then Users are required to provide three indexes in the file formats. It is understood that Users are unable to obtain three indexes from site in such a configuration. In order to fulfil these requirements there is a risk that Users will compromise the quality of Meter Readings submitted to UK Link with consequential impacts to downstream processes. This change will ensure the data quality remains.</p>	



Section 4: Delivery Sub-Group (DSG) Recommendations	
See page 4	
DSG Recommendation	Option i) – Construction of the Meter Reading to include just meter and converted index is assumed to be valid regardless of the Meter Reading Source (preferred – typically only the converted index drives down stream processing). DSG did not express a preference for other facets of the solution.
DSG Recommended Release	June 2019
Section 5: DSC Consultation	
Issued	Yes
Date(s) Issued	24/08/2018 / 09/11/2018
Comms Ref(s)	2043.5-RJ-RH / 2141.1 – RJ – ES / 2293.7 – RJ – ES
Number of Responses	0 for 2043.5 / 5 approvals for 2141.1 / TBC
Section 6: Funding	
Funding Classes	<input checked="" type="checkbox"/> Shipper 100% <input type="checkbox"/> National Grid Transmission XX% <input type="checkbox"/> Distribution Network Operator XX% <input type="checkbox"/> iGT XX% TOTAL
Service Line(s)	Service Area 1 – Manage supply point registration Candidate change to DSC Service Lines attached, should Users elect to include the reporting option. Changes will not be necessary to the DSC if the report option is deselected.  Service Description Table V5.4 Validation
ROM or funding details	none
Funding Comments	none
Section 7: DSC Voting Outcome	
Solution Voting	<input type="checkbox"/> Shipper Approve <input type="checkbox"/> National Grid Transmission NA <input type="checkbox"/> Distribution Network Operator NA <input type="checkbox"/> iGT NA Approved to proceed to ICoSS
Meeting Date	12/12/2018
Release Date	Candidate for November 2019
Overall Outcome	Solution Option and recommended release outlined in section D2 approved.

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

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	16 th July 2018 / 6 th August 2018 / 17 th September 2018
DSG Summary	
 DSC Delivery Sub-Group - 160718 \	
<p>Dave Addison presented slides 31 to 46, talking through the summary & recommendation. This has been talked through at DSG many times.</p> <p>DSG Discussion: Do we need to take account of this (and change UNC)? Some thoughts:</p> <ul style="list-style-type: none">• This will make the Mandatory Meter Reading field optional in UMR / UBR / UDR and responses• Only had one response that indicated of portfolio of 150, only 1 was calling U+C only.• Do we build to a UNC compliant solution only? <p>06/08/18 – discussed with regards to the validation only being applied at the annual process e.g. Check read process. DSG agreed that the meter and convertor index validation should not be applied to standard Shipper User to CDSP meter reading files.</p> <p>17/09/18 –</p> <p>DA presented this section to DSG. This Change was recently included within a Change Pack; however, it did not generate any responses. As this change only impacts I&C Shippers, and DSG largely consists of Small Supply Point Shippers, this change will be taken to ICoSS for consultation. It's a candidate for the November 2019 Release.</p>	
Capture Document / Requirements	INSERT
DSG Recommendation	Defer
DSG Recommended Release	TBC

Section C2: Delivery Sub-Group (DSG) Recommendations	
DSG Date	5 th November 2018
DSG Summary	
<p>David Addison (DA) provided a verbal update to DSG. Following the meeting, DA created some slides which are now on the presentation pack on Xoserve.com.</p> <p>DA explained that XRN4621 has been presented at DSG on numerous occasions. ChMC agreed to refer XRN4621 to ICoSS to solicit views on this change.</p> <p>At previous DSG meetings, Xoserve's expectation for the meter reading to be constructed going forward had been agreed. This was consistent with Uniform Network Code (UNC) obligations for meter readings to include converted and unconverted: M+U+C OR M+C i.e. U becomes 'optional' and no longer a conditional requirement if a converter is fitted. Meter index remains mandatory in the field.</p> <p>DA mentioned that a Change Pack was issued to ask further questions of parties, but little interest was received. One of these questions sought to understand in which circumstances Xoserve are expecting the reduced meter reading indexes to be provided. In conjunction with ICoSS, DA agreed in the instances where the standard reading was provided via the U12, U14 or the UO1 record, the instances that would remain unchanged would be RGMA (Job and UPD/SFN).</p> <p>DA stated that Xoserve do not expect RGMA to change. There was also a question about which read readings would have validation: Xoserve proposed that these validations would be applied to standard read files regardless of whether AMR was recorded as fitted on UK Link Systems. Otherwise, Xoserve would be rejecting reads, which would not be ideal for the affected parties.</p> <p>About the above validations, DA questioned whether the validation rules would be accepted – whether those validations within UNC are relevant, and if they should be applied on the UK Link Systems; DA stated he expected the validations would be applied by Shipper Users, not in UK Link Systems.</p> <p>There was some discussion in DSG regarding whether a report could be generated to show where the reading has been accepted, but may indicate drift.</p> <p>DA questioned if a drift is identified, how this would be corrected; possibly the 'Check to Check' process could be amended to resolve this. When this option has been reviewed, DA stated that amending the Check to Check process principles significantly would therefore be complex; DA did mention that there is a process whereby the drift is identified using the consumption adjustment process; therefore, the use of the consumption adjustment process was recommended.</p> <p>DA asked DSG to direct any questions they may have, after the meeting, to him. LW wanted to understand what was expected from DSG for this agenda item. DA stated that this change has been reviewed by ICoSS, and they were content with the solution DA proposed; this change was presented to DSG to see if they were content as well. DA mentioned that this change is a candidate for the November 2019 Major Release.</p> <p>DSG did not provide any objections or considerations.</p>	
Capture Document / Requirements	N/A
DSG Recommendation	N/A
DSG Recommended Release	N/A

Section C3: Delivery Sub-Group (DSG) Recommendations	
DSG Date	3 rd December 2018
DSG Summary	
<p>David Addison (DA) presented slides 27 to 30 to DSG. DA mentioned that this change has been discussed at DSG already. DA explained that the red text on slide 27 was emphasis added to a previous DSG Slide and was intended to highlight decisions that the DSG had already made, and were consequently the basis of High Level Impact Assessment. XRN4621 was recently included within a Change Pack, and DA was pleased that the industry endorsed the approach proposed.</p> <p>DA stated that the scope of the change is regarding the construction of the meter reading in User to CDSP files; the read U becomes 'optional'; therefore, it would no longer be a conditional requirement if a converter is fitted. DA indicated that he expected the conditionality to be amended in the U01 record in the AQ correction – although not listed in the HLSOA. The MBR conditionality change has been removed.</p> <p>DA indicated that the validations would be undertaken by the Shipper Users. DA said that Meter to Unconverted index and Unconverted to Converted index validation are candidates but assessment to be conducted by the Shipper User. However, Xoserve are assessing mirroring this in order to have the ability to flag a reading which may have caused a failure of validation. Furthermore, DA explained that Xoserve haven't done any work regarding the specification for reporting associated with this change; it didn't seem sensible to hold this change up due to reporting as it is a candidate for the November 2019 release.</p> <p>From slides 28 to 30, DA presented the results of the High Level Impact Assessment to DSG. This included system and process impacts. DSG members provided no comment. DA said that the cost assessments are still being validated. DSG members had no questions.</p>	
Capture Document / Requirements	N/A
DSG Recommendation	N/A
DSG Recommended Release	N/A

Section C3: Delivery Sub-Group (DSG) Recommendations	
DSG Date	1 st July 2019
DSG Summary	
<p>Dave Addison (DA) explained that when presented last time at DSG it was left for DSG members to contemplate what had been presented and spoken about. DA Stated that the discussion from DSG last meeting needed some clarification, and that the red text found in the slides is for clarification and are from discussion that have occurred internally.</p> <p>This involves proposing that the reporting Provides Shipper provided Meter Reading failures only- Xoserve is not planning on validating the estimates.</p> <ul style="list-style-type: none"> ○ RGMA Opening Meter Readings will not be validated ○ For Must reads, ratios will only be checked for those which have loaded successfully in the system. <p>Entry will appear on the report where one or both of M>U; M>C have triggered.</p> <ul style="list-style-type: none"> ○ NB: since the M>U Consumption history will be inconsistently populated, question whether M>U is provided as this may provide a false positive. <p>DA further discussed that the text in red stating that Since the M>U Consumption history will be inconsistently populated, question whether M>U is provided as this may provide a false positive. DA stated this report would be used as an indication and flag for customers to. DA added that Xoserve proposes to provide the metered and converted validation only.</p> <p>Action: In regards to XRN4621 - DSG to provide a response regarding the whether they want Xoserve to show the unconverted as the inconsistency can be misleading.</p> <p>Furthermore DA asked a question to DSG members; what are people planning to with regards to the reporting? DA assumes people will manually scan them. SC stated that is how it would be done and it would be useful if a question can be sent out to Parties for their responses. TL stated that it would need to be communicated this week so that by next DSG 15th July 2019 those responses can be discussed. PO added stating a communication would be issued requesting feedback from customers on Xoserve's proposed approach to this reporting change, with 5 clear working day review period.</p> <p>Action: In regards to XRN4621 - What are DSG planning to do in regards to reporting. Comm Ref 2364, issued on 02/07/2019 went out to for feedback to be discussed at DSG on 15/07/19.</p>	
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



XRN4621 - High Level Solution Option

Meters record the volume of gas passed through the device. This volume is, in conjunction with a calorific value, used to determine the energy consumed.

Due to the impact of temperature and pressure on gas volume passing through a meter then converters are installed on some Supply Meter Points to ensure that the energy consumed is correctly recorded.

These converter devices typically use 'pulse' technology – i.e. an electronic pulse is generated by the meter after a certain volume of gas is recorded, and that this pulse is then recorded by the converter. Pulse technology is notoriously unreliable as pulses may be missed or multiple pulses may be generated or recorded.

Where both a Meter and Converter are present at the Supply Meter Point three indexes are available to form the Meter Reading – the Meter index, the Unconverted and Converted indexes of the Converter device.

Where an AMR device is fitted typically only two ports are available to record indexes. UNC (M1.5.2) specifies that a Shipper User provided Meter Reading should be constructed. i.e.

For the purposes of the Code, in relation to a Supply Meter:

(a) a "Meter Reading" is:

(i) the reading of the index of the Supply Meter; and

(ii) ... where Remote Meter Reading Equipment and such a converter are installed, a Meter Reading need not include the unconverted reading of the converter under paragraph (ii);

DSG (16th July 2018) confirmed that this change can assume that the construction of the Meter Reading will not be amended.

Validation was previously described in the Network Code Validation Rules where the Meter and Unconverted Volume and also the Meter and Converted Volume was validated.

This change seeks to:

- Define how Meter Readings should be constructed and passed by Shipper Users to CDSP, and between CDSP and Users.
- Define how validation should be applied to Meter Readings.
- Define how any drift identified should be rectified.

The options considered are:

Options were assessed with regards to this, and DSG concluded that the construction of the Meter Reading within UNC did not require amendment. As such where a Converter and AMR device is present Meter Readings must be sent with either:

- Meter, Unconverted and Converter indexes, or

- Meter and Converted indexes

Representation question – do you agree with proposed construction of Meter Reading proposal?

This change will not be applied to any Meter Reading files that trigger the Check to Check Reconciliation processes. The proposed solution will be considered in the following Shipper User to CDSP Files:

- UMR (U01 record);
- UBR (U14 record) and
- UDR (U12 record).

The RD1 file (MRA to CDSP file) will also be amended by this change.

Representation question – do you agree with proposed Meter Reading files against which to apply this construction proposal?

Options are available for how Meter Readings are submitted in the U01; U14 and U12.

- Option i) – Construction of the Meter Reading to include just meter and converted index is assumed to be valid regardless of the Meter Reading Source (*preferred – typically only the converted index drives down stream processing*).
- Option ii) – Construction of the Meter Reading to include just meter and converted index is only valid with a subset of the Meter Reading Source – e.g. Read Source ‘R’ Remote Read Equipment only.

Representation question – do you agree with the preferred option?

Meter Reading Validation Options

Existing validation as described in the UNCVR– such as Outer Tolerance Validation – would continue to apply.

Options are available as to the validation between meter and converter indexes applied.

- Option 0 – Do not apply validation in UK Link systems (*Xoserve preferred – see statement regarding Option X below*).
- Option 1 – Meter index to unconverted index only.
- Option 2 – Meter index to converted index only.
- Option 3 – Both tests applied individually - Meter index to unconverted index and Meter to converted index.

Representation question – do you agree with the Xoserve preferred option?

Where Option 1 or 2 is selected, we need determine which parties should apply this validation.

- Option X – Validation is only applied by Shipper Users. No validation applied by the CDSP. Shipper Users validate prior to submission, Users select whether to submit Meter Readings, or take corrective action where drift is identified (*Xoserve preferred – this allows Shipper Users to identify where corrective action is necessary, but where drift is occurring then they may continue to submit readings whilst remedial action is taken*).
- Option Y - All Readings received will be validated by CDSP (and Shipper Users in advance of submission to the CDSP). Any validation failures would be rejected by the CDSP.

Representation question – do you agree with the Xoserve preferred option?

Amendment of Reconciliation Position when Drift Identified Options:

It is proposed that the Consumption adjustment process be used to correct drift between the

Meter and the Converter. Where an AMR device is fitted the User will need to submit a Site Visit Reading in order to prompt the Check to Check Reconciliation process, and a

Section C3: Delivery Sub-Group (DSG) Recommendations

AMR device is not present, the Consumption Adjustment can be applied to one or more reconciliation periods.

Representation question – do you agree with the proposed solution? Do you consider an alternative solution option should be considered?

Implementation date for this solution option	Proposed June 2019
Consultation close out date	24/08/2018
including rationale	As referenced in Section D2.
DSG preferred solution option; including rationale	NA – requested a wider industry view

DSG Date	17 th June 2019
DSG Summary	
<p>DA presented the agenda item. DA stated the first slide has been previously presented in regards to XRN4621.</p> <p>These haven't been used and turned off prior to Nexus implementation.</p> <p>The meter to unconverted index is based on pulses and the test show in the slides demonstrates volume on Converter progresses in line with the Meter. This unconverted index should be recording the same volume which is based on pulses but due to inherent converter technology being classed as unreliable, the meter to converter test has allowed and led to missing pulses.</p> <p>DA stated that in regards to XRN4621 the CDSP is not expecting unconverted indexes to come in, and when there is a convertor on site, only billing will be conducted against the converted reading. This report is intended to support the Shipper to identify if the meter and converter are getting out of sequence.</p> <p>DA proposed to DSG that the Meter to Converted, and where present, Meter to Unconverted is consistent, and validation is applied as:</p> <ul style="list-style-type: none"> - Class 1 & 2 meter points: 0.95 to 1.05 - Class 3 & 4 meter points: 0.85 to 1.15 <p>DA suggested the thing to highlight is to parametrise the value by C1 &2 / C3&4 will use the same value. DA also suggested proposal of the reporting will include;</p> <ul style="list-style-type: none"> - Provides Shipper provided meter reading failures only - Entry will appear on the report where one or both of M>U;M>C have triggered. - Is provided within the shipper performance packs. <p>PO asked DSG to use these slides presented to understand and give some clarification for discussion next DSG</p>	
Capture Document / Requirements	N/A
DSG Recommendation	N/A
DSG Recommended Release	N/A

Section D2: DSC Change Proposal High Level Solution Options

Section D2: Solution Options	
High Level summary options	
<p>In the August Change Pack the CDSP issued communication 2043.6 – RJ- RH - Suspension of the Validation between Meter Index and Unconverted Converter Index - Solution View. In response to this Change Pack, no formal representations were received, but subsequently a number of Industrial and Commercial Shipper Users expressed a preference for some of the solution options outlined within the Change Pack. This was highlighted to the DSC Change Management Committee who agreed to refer this Change Pack to the I&C Shippers and Suppliers Group (ICoSS) as this change particularly affected this market sector (i.e. Class B Shipper Users).</p> <p>In October 2018, ICoSS agreed with the recommended solution options proposed (described below). These options were highlighted to the 5th November 2018 DSG meeting.</p> <p>The recommended solution option is:</p> <ol style="list-style-type: none"> 1. Construction of the Meter Reading – proposed that the existing UNC definition UNC M1.5.2 remains relevant – i.e. <ol style="list-style-type: none"> i. Meter index (M) + Unconverted Converter index (U) +Converted Converter index (C) OR ii. M+C (i.e. U becomes ‘optional’ no longer a conditional requirement if a converter is fitted)] 2. The above change will apply to the means that Readings are loaded onto UKL are as defined above in the file / records. The corresponding response records and notifications will have the corresponding conditionality changes. 3. This liberalised construction of the Meter Reading (as described in bullet 1(ii) will apply to the in scope means that Readings are received (as bullet 2) regardless of an AMR device being recorded in UK Link systems. 4. Meter to Unconverted index and Unconverted to Converted index validation are candidates but assessment will be conducted by the Shipper User rather than within UK Link system. This requirement requires no validation change to UK Link systems. 5. The process to correct drift / consumption inaccuracies will be the existing Consumption Adjustments process, no amendment is required to the existing Check to Check process. This requirement requires no change to UK Link systems. <p>Consideration is required to a report to highlight potential drift / consumption inaccuracies between Meter and Converter indexes by the CDSP to Shipper User where readings have been accepted on UK Link systems.</p> <p>Users are requested to ratify the above solution option.</p> <p>Users are asked to note that a High Level Solution Option Assessment is underway on this basis, we will provide a view of costs as soon as we have them.</p> <p>Users are asked to provide comments with respect to inclusion in the proposed November 2019 Major UK Link Release.</p> <p>Note: It is not expected that the M03 Record (MBR File) conditionality will change but this is being verified.</p>	
Implementation date for this solution option	November 2019 UK Link Release

Xoserve preferred option; including rationale	The preferred option is described above.
DSG preferred solution option; including rationale	This has been discussed at DSG on a number of occasions (August – September 2018), with no preferred solution option identified save for the construction of Meter Reading. ChMC supported referral to ICoSS. ICoSS supported the solution in D2 described above.
Consultation close out date	23/11/2018

Section E2: DSC Change Proposal: Industry Response Solution Options Review

User Name	Graham Wood
User Contact Details	Graham.Wood@centrica.com
Section E2 – Response 1: Organisation’s preferred solution option, including rationale taking into account costs, risks, resource etc.	
We support the proposals.	
Implementation date for this option	Approve
Xoserve preferred solution option	Approve
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E2 – Response 1: Xoserve’s Response to Organisations Comments	Thank you for your comments

User Name	Alison Neild
User Contact Details	Alison.Neild@gazprom-energy.com
Section E2 – Response 2: 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 E2 – Response 2: Xoserve’s Response to Organisations Comments	Thank you for your comments

User Name	Npower
User Contact Details	Gas.Codes@npower.com
Section E2- Response 3: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	
We are happy with the solution proposed and support an implementation date of Nov 19.	
Implementation date for this option	Approve
Xoserve preferred solution option	n/a
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E2 – Response 3: Xoserve' s Response to Organisations Comments	Thank you for your comments

User Name	SSE
User Contact Details	mark.jones@sse.com
Section E2- Response 4: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	
In support; no other comments.	
Implementation date for this option	Approve
Xoserve preferred solution option	n/a
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E2 – Response 4: Xoserve' s Response to Organisations Comments	Thank you for your comments

User Name	EON
User Contact Details	Kirsty.Dudley@eonenergy.com
Section E2- Response 5: Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	
<p>We support the approach of only meter reading and Converted indexes; our preference is the CDSP doesn't apply rigid validation but to ensure that what they accept is within the obligations set out in the UNC.</p> <p>Our preference would be for implementation via a major release and due to approval and change process timings would see it being delivered November 2019 or later.</p>	
Implementation date for this option	Approve
Xoserve preferred solution option	Approve
DSG preferred solution option	Approve
Publication of consultation response	Publish
Section E2 – Response 5: Xoserve' s Response to Organisations Comments	Thank you for your comments. The existing reading validations will continue to apply e.g. CIR, ITR. It is proposed that we will engage with the industry to propose correction validations that users would apply.

Section F: DSC Change Proposal: Approved Solution Option

Section F1: Solution Option for XRN4621

The recommended solution option is:

1. Construction of the Meter Reading – proposed that the existing UNC definition UNC M1.5.2 remains relevant – i.e.

- i. Meter index (M) + Unconverted Converter index (U) +Converted Converter index (C) OR
- ii. M+C (i.e. U becomes 'optional' no longer a conditional requirement if a converter is fitted)]

More information can be found in section D2 of this document.

Implementation date	November 2019 Release – 8 th November 2019
Approved by	Change Management Committee
Date of approval	12/12/2018

Section G: Change Management Committee (ChMC) Change Pack Summary

Communication Detail

Comm Reference:	2293.7 – RJ – ES
Comm Title:	Suspension of the Validation between Meter Index and Unconverted Converter Index
Comm Date:	12/04/2019

Change Representation

Action Required:	For representation
Close Out Date:	30/04/2019

Change Detail

Xoserve Reference Number:	XRN4621
Change Class:	System Validation
ChMC Constituency Impacted:	All Shipper Users
Change Owner:	Dave Addison david.addison@xoserve.com 0121 623 2752
Background and Context:	<p>During Nexus Programme it was identified that the relational validation between the volumes determined by the meter index, the unconverted converter index and converter converted index was not being applied. The Nexus requirement expected that this was applied, so it was agreed with the industry that this remained suspended as a short term measure. It became clear that different parties providing Meter Readings had different expectations of the construction of the Meter Reading itself when both Converter and Automatic Meter Reading (AMR) devices are present at the Supply Meter Point (SMP).</p> <p>At the time of removal of this validation it was proposed that a form of validation be reinstated following a period of consultation with industry participants. DSG (16th July 2018) confirmed that this change can assume that the construction of the Meter Reading will not be amended defined in the UNC. i.e. if only two indexes are obtained it is meter and converted.</p>

Change Impact Assessment Dashboard (UK Link)

Functional:	Metering (Reads)
Non-Functional:	No impact
Application:	SAP ISU, AMT Market Flow, SAP PO, SAP BW, DES
User:	Shipper
Documentation:	File Format Amendment
Other:	NA

Files				
File	Parent Record	Impacted Record	Data Attribute	Hierarchy or Format Agreed
AQI	C41	U01	CORRECTOR_UNCORRECTED_READING	N/A
UMR	N/A	U01	CORRECTOR_UNCORRECTED_READING	N/A
UBR	U13	U14	CORRECTOR_UNCORRECTED_READING	N/A
UDR	N/A	U12	CORRECTOR_UNCORRECTED_READING	N/A

N.B. the outbound files have no file format changes however they will need to be aligned with the data received in the inbound files

Change Design Description

As part of the solution, the shipper may submit only 2 out of the three Meter, Converted and Unconverted which would be Meter and Converted. The Unconverted read will be made optional. The validation around the Unconverted reads where a Converter is fitted will not be applied if 'Unconverted' read is not received. If all 3 reads are received; all current read validations will be carried out. The change will only be done for specific read files from shippers, AQI, UMR, UBR, UDR. The response files will be modified accordingly so that only the Meter and Converted reads will be sent. A report will be created in SAP BW to report out the ratios of Meter and Converted / Meter and Unconverted if they fall out of the defined range (to be agreed). Where the Unconverted read is available, the ratio will be calculated between Meter and Unconverted reads. Where the Converted read is available, the ratio will be calculated between Meter and Converted reads. Where both Unconverted and Converted reads are available, the ratios will be calculated between Meter and Unconverted and Meter and Converted reads respectively.

The below processes will not be impacted with regards to file format changes:

- RGMA
- Site Visit Process
- Portal
- Must Reads
- RD1
- Class1 reads (DLC)

The estimated Meter, Converted and Unconverted reads will be reported in the MBR file, however, the Estimation logic for Class 3 and 4 sites will need to be assessed during detail design.

Replacement reads would be accepted where the replacement read may only be provided with Meter and Corrector reads, while the read being replaced has all 3 reads i.e. Meter, Unconverted and Converted or vice versa.

DES and BW reports will need to be assessed for any impacts.

Note: Since this change is associated with XRN4866 - Removal of validation on unconverted read, the reporting of ratio between Meter (M) and Unconverted (U) read volumes may not be necessary.

Please find below the amended file record that is published for approval:



U01 v6FA.docx



U12 Class 2 Meter
V2FA.docx



U14 Meter Reads
V2FA.docx

Associated Changes

Associated Change(s) and Title(s):	XRN4866 – Removal of validation on unconverted read
------------------------------------	---

DSG

Target DSG discussion date:	N/A - XRN4621 has previously been to DSG for development
Any further information:	N/A

Implementation

Target Release:	8 th November 2019
Status:	Approved

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

Section H: Change Representation (to be completed by User and returned for response)

User Name:	ScottishPower
User Contact:	Claire Louise Roberts ClaireLouise.Roberts@ScottishPower.com 01416145930
Representation Status:	Approve
Representation Publication:	Publish
Representation:	
Target Release Date:	November 19
Xoserve Response:	Thank you for your response

Version History

Version	Date	Author(s)	Summary of Changes
1	29/03/18		
1.1	25/07/18		DSG updates from 16 th July added
2	10/08/18	David Addison	Updates to section D in preparation for industry solution responses
3	14/09/18	David Addison	ChMC updates from 12/09 added to section 7
4	20/09/18	David Addison	DSG updates from 17 th September
5	09/11/18	David Addison	Solution Review Change Pack - November
6	15/11/18	David Addison	DSG Updates from 5 th November added
7	28/11/18	David Addison	Representation Matrix Created
8.	10/12/18	David Addison	DSG minutes from 3 rd December added
9	14/12/18	David Addison	Outcome from ChMC on 12 th December added
10	12/04/19	David Addison	Design Change Pack added from distribution on 12 th April
11	26/06/2019	Xoserve	DSG discussions added from meeting 17 th June 2019.
12	09/07/2019	Xoserve	DSG discussions added from meeting 1 st July 2019.