Change Management Committee (ChMC) Change Pack Summary

Communication Detail

Comm Reference:	2157.3 - RJ - ES
Comm Title:	Reconciliation issues with reads recorded between D-1 to D-5
Comm Date:	23rd November 2018

Change Representation

Action Required:	For representation
Close Out Date:	7th December 2018

Change Detail

Xoserve Reference Number:	XRN4676
Change Class:	System Validation Change
ChMC Constituency Impacted:	All Shipper Users
Change Owner:	Simon Harris simon.harris@xoserve.com 0121 623 2455
Background and Context:	An issue was identified in UKL where a cyclic read is received from an outgoing shipper for the same read date where we have an FINT read in UKL as part of a Shipper Transfer event (however this change will consider all cyclic reads received between D-1 to D-5). This issue is causing duplicated/incorrect energy/charges for the reconciliation between the cyclic read and FINT reads on Class 4 sites only. Attached Change Proposal for reference:  XRN4676 - Change Proposal V3.docx A number of solution options were put forward for development (details below)… 1. Reject reads received between D-1 to D-5 of a Shipper Transfer Effective Date (D) using a current rejection code (SPO00016) 2. Use the Outgoing Shippers Cyclic Read as the Shipper Transfer Read

	3. Set the transfer reading for Class 4 transfer reads as the Transfer Date rather than the actual read date (D-5 to D+5) 4. Make the read supplied by Outgoing Shipper 'invalid' once a Shipper Transfer has been identified and undo any reconciliations that have occurred 5. Allow 2 reads for a single day on UK Link but have differing read types 6. Allow for the cyclic read to be accepted and then rejected at a later date Following discussions with DSG and a review of the high level impact assessment, no solution was deemed appropriate. During these discussions an alternative solution of 5b was developed and put forward. 5b. Accept the Outgoing Shipper Read between D-1 to D-5 of Shipper Transfer Effective Date (D) but set it as 'inactive' as soon as it is received into UKL but use this reading within the Shipper Transfer Read Estimation process, if the estimation process has not yet occurred and the incoming Shipper has not submitted an opening reading to be used to fulfil the Shipper Transfer Read Order. Option 5b was discussed and agreed to move forward into delivery with at both DSG & ChMC as the preferred industry solution option.

Change Impact Assessment Dashboard (UK Link)

Functional:	Metering (Reads)
Non-Functional:	None
Application:	SAP ISU
User:	Shipper
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

Change Design Description

This change is looking to implement a UKL system solution to mitigate the issues being faced when a Cyclic Read is submitted by an Outgoing Shipper (via UMR file only) with a read date between D-1 to D-5 of a Shipper Transfer Effective Date (D) on Class 4 sites.

High Level Solution

Where an Outgoing Shipper submits a Cyclic Read via the UMR (Class 4) file with a read date between D-1 to D-5 of a Shipper Transfer Effective Date (D) the read will be accepted into UKL but marked as inactive. This Inactive Cyclic Reading, if the Incoming Shipper does not provide an Opening Read to fulfil the read order on the Shipper Transfer Effective Date (D), will then be used to estimate the Shipper Transfer Estimate Read. It will not be used if the Inactive Cyclic Reading is submitted by the Outgoing Shipper after the Shipper Transfer Estimation job has already processed.

Detailed Solution/Scenarios

Read Estimation - Where the Incoming Shipper does not provide an Opening Reading (with a Read Date between D-5 to D+5) to satisfy the Shipper Transfer Read, UKL will estimate the Shipper Transfer Reading after D+10 (Business As Usual (BAU) process). Current process for estimating this read will only consider active reads; this change is looking to amend the Read Estimation logic to include Inactive Reads with a read date within D-1 to D-5 of a Shipper Transfer Effective Date (D) in the calculation of the Estimate Shipper Transfer Reading. Please note that when the Estimated Shipper Transfer Reading is processed, the consumption assigned to this read (that feeds Reconciliation and AQ) will go back to the last active read prior to the Inactive Cyclic Reading, ensuring all consumption is correctly picked up and accounted for.

External Impacts: None (however Estimated Shipper Transfer Read could be more accurate)

Read Estimation - Where the Incoming Shipper provides an Opening Reading (with a Read Date between D-5 to D+5) that satisfies the Transfer Read, no estimation is required (BAU) so the Inactive Cyclic Read will not be used in this process.

External Impacts: None

TTZ Consideration - If the submitted Inactive Cyclic Read has a TTZ count not equal to 0 (as this will be based on the last active read and would have gone through the zeros), UKL will still use this read when estimating the Shipper Transfer Read, however, the derived Shipper Transfer Estimate will have an appropriate TTZ based on it being compared to the last actual reading (i.e. it may not be equal to 0). This is because the calculation of consumption for the estimated Shipper Transfer reading (and for Rec) will need to go back to the last actual reading (prior to the inactive read) and its TTZ needing to be in line with this to ensure all consumption is accounted for.

External Impacts: TTZ on the Estimated Transfer Reading (contained within the MBR file for both Incoming and Outgoing Shippers) may not align with the Inactive Cyclic Reading. It will align to the last Active Read prior to the Inactive Cyclic Read as this period is what will feed Reconciliation and AQ (if your system considers the Inactive Reading as the last actual read (with a TTZ not equal to 0) there may be validation/consumption issues. If this is the case please mention this in your Change Pack Response)

Replacement Reads - Replacement of the Inactive Cyclic Read will be allowed, but only for reads set as Inactive via this scenario. Where an Inactive Cyclic Read (with a read date

between D-1 to D-5) has been replaced prior to the Shipper Transfer Estimation job runs (at D+10) the replacement will be considered in the Shipper Transfer Estimation job. If the replacement read is submitted post the Shipper Transfer Estimation job, then the read will be accepted and loaded into UKL as inactive but UKL will not re-estimate the Estimated Shipper Transfer Read.

Inserted Reads - Where the Shipper Transfer Read has already been estimated in UKL and the Outgoing Shipper then submits a Cyclic Read with a read date between D-1 and D-5, this inserted cyclic read will be loaded into UKL (as long as it passes the read submission rules) as inactive. The Estimated Shipper Transfer Read that was already present will remain as is and not be re-estimated.

External Impacts: None

Must Reads - Reads submitted into UKL via the Must Read process (MUPR - managed through CMS) with a read date between D-1 to D-5 will not be set as inactive, only Cyclic Reads sent via UMR will be considered for this change.

External Impacts: None

Site Visit Reads - Site Visit Reads submitted into UKL with a read date between D-1 to D-5 will not be set as inactive, only Cyclic Reads sent via UMR will be considered for this change.

External Impacts: None

RD1 Reads - Reads submitted into via RD1 with a read date between D-1 to D-5 will not be set as inactive, only Cyclic Reads sent via UMR will be considered for this change.

External Impacts: None

RGMA Reads - Any RGMA reads submitted into UKL, with an Effective Date between D-1 to D-5 will not be set as inactive, only Cyclic Reads sent via UMR will be considered for this change.

External Impacts: None

Additional Information

For clarity, the cyclic read(s) set as Inactive between D-1 to D-5 will be used/considered for the following processes…

- **RGMA** - Any RGMA flows submitted with an effective date prior to the Inactive Cyclic Reading with a read date (between D-1 to D-5) will be rejected (Class 4). This is because UKL considers the last activity date on the asset as a backstop date, as per standard RGMA processing logic, so cannot be accepted due to the presence of the Inactive Cyclic Reading. This is the same as if the Inactive Cyclic Reading(s) were set as active (BAU).
- **Reporting** - Currently BW considers all readings submitted via UMR, so will feed reports generated via BW. The Inactive Cyclic Readings will be considered in reporting outputs such as Read Performance statistics etc. (however this will depend on individual report specifications/filters)
- **Must Reads** - The current working assumption is that the Inactive Cyclic Reading will be identifiable as a submitted reading in the identification mechanism of potential Must Read sites. This means that the Must Read process will think that the Inactive Cyclic Reading(s) is a valid submitted read(s) and not prematurely trigger a Must Read request, (still to be ratified)
- **Data Enquiry Service (DES)** - The Inactive Cyclic Read will be visible in DES to the outgoing Shipper (as they are the stakeholder that submitted it),

however, DES currently does not show if a read is active or inactive. *Please Note: This is being looked at as a potential consequential impact to DES as a result of this change and any requirements of displaying such an indicator will be fed into XRN4801 - Additional information to be made viewable on DES.*

For clarity, the Cyclic Read(s) set as Inactive between D-1 to D-5 will not be used/considered in the following processes…

- **Read Validation/Tolerance Checks** - When the next read is sent (by the incoming Shipper), UKL carries out read validation/tolerance checks back to the last actual active reading (BAU). The Inactive Cyclic Reading(s) will be ignored and not considered for validation/tolerance checks as this is not deemed as active
- **SPA Files (TRF/MRI/PAC)** - When the TRF/MRI/PAC files are issued out to the Incoming Shipper as part of the Shipper Transfer event (at D-2 of the Transfer Effective Date (D)) the Inactive Cyclic Reading(s) will not be considered/reported as the last read on that supply point as the process only considers active readings
- **Rolling Annual Quantity (AQ)** - The Rolling AQ process will not consider the Inactive Cyclic Reading as being a candidate for AQ calculation. The consumption that will feed AQ will be assigned to the FINT reading on Shipper Transfer Effective Date based on the last active read prior to the Inactive Cyclic Reading(s)
- **Reconciliation** - Reconciliation will not be triggered for the Inactive Cyclic Reading(s). Reconciliation will be processed from the previously submitted active read up to the FINT reading on Shipper Transfer Effective Date (skipping the Inactive Cyclic Read(s) and creating no Reconciliation variances for the Inactive Cyclic Read(s))
  Consumption Adjustment - The current working assumption is that Consumption Adjustments will be unable to be processed up to and starting from the Inactive Cyclic Reading(s). Any CA's processed would need to span these reads and only consider active readings (BAU) in the process (still to be ratified)

Associated Changes

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

DSG

Target DSG discussion date:	N/A - XRN4676 has previously been to DSG for development.
Any further information:	N/A

Implementation

Target Release:	28th June 2019

Status:	For approval

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

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

User Name:	Lorna Lewin
User Contact:	Lorna Lewin lolew@orsted.co.uk 0207 451 1974
Representation Status:	N/A
Representation Publication:	Publish
Representation:	We support the DSG's recommended option 5b.
Target Release Date:	We support the target release date.
Xoserve Response:	Thank you for your comments.

User Name:	Eleanor Laurence
User Contact:	Eleanor.laurence@edfenergy.com 07875 117771
Representation Status:	N/A
Representation Publication:	Publish
Representation:	We support the proposal and implementation date
Target Release Date:	June 2019