XRN4865 - Amendment to Treatment and Reporting of CYCL Reads

High Level System Solution
Impact Assessment

Change Overview

XRN4865 - Amendment to Treatment and Reporting of CYCL Reads

SAP ISU is incorrectly treating Class 3 & 4 Supply Meter Points estimated CYCL reads for Confirmation Effective Dates, where asset is installed prior to this date (Greenfield & Brownfield) as actual readings and not estimates causing issues for downstream processes. Below are the issues identified that require addressing as part of this change:

- The CYCL estimated read is being incorrectly treated as an actual read for any subsequent read validations, even though it is an estimate. Since the CYCL read which is an estimated read is being used for read validations, it is resulting in subsequent reads submitted by the Shipper being incorrectly rejected, if they are lower than the estimated CYCL read (as this should be accepted).
- The read type in the MBR file for the CYCL estimated read is being incorrectly reported as N (normal) instead of E (estimate).
- The [READ_REASON_CODE] description in the [M03 BILLREADS] record (MBR file) format does not currently state that CYCL read can relate to a Back Billing estimated read for Confirmation effective date. Currently states "CYCL – Cyclic Reads (Prime & Sub Reads)" only. Although it was agreed as a part of an industry workaround to send such estimated reads as CYCL reads in the MBR file, there was no change done to the file format description which is now not consistent with what is being reported in the file.
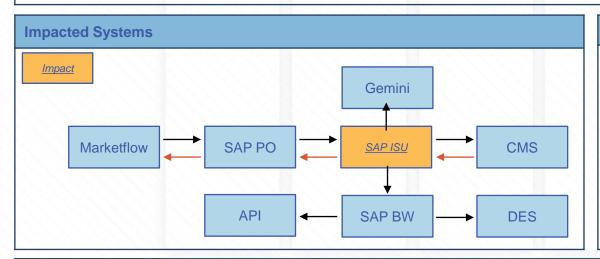
Solution Options

1	Fix multiple issues that are being experienced in SAP ISU relating to CYCL Confirmation Effective Date estimated reads

Option 1 - High Level Impact Assessment

1 - Fix multiple issues that are being experienced in SAP ISU relating to CYCL Confirmation Effective Date estimated reads

Below issues needs to be catered as part of this change:
- CYCL estimate read on Confirmation Effective Date to be treated as an estimate for Read Tolerance checks on submitted readings (Read Files, RGMA, Manual Screen).
- Ensure the read type in the MBR file containing the CYCL estimate read on Confirmation Effective Date is populated as an E (estimate).
- Amend the [READ_REASON_CODE] description in the [M03 BILLREADS] record (MBR file) format to include the use of CYCL reads as Back Billing Estimates.

Impacted Systems

Impact

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            Gemini
              ↑
Marketflow → SAP PO → SAP ISU → CMS
          ←        ←         ←
                      ↓
   API  ←  SAP BW  →  DES
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Assumptions

- AMT changes and Market Trials costs are not considered
- Market trials is not required
- MDR file is not impacted by this change
- No File Format changes are anticipated
- No PT is required for this change

Overall Impact	Release Type	High Level Cost Estimate
Low	Minor	22,000 – 32,000 GBP

Option 1 - System Impact Assessment

	SAP ISU				
System Component:	Process Code				
Development Type:	Code Change				
Impacted User(s):	Shippers				
Build Type:	Existing				
Change Description:	Code changes needs to be done to cater the 3 changes and allow the reads to be uploaded correctly				

Requirement Clarity:	G				
Change Complexity:	G				
Integration Complexity:	G				
Test Data Prep Complexity:	G				
Test Execution:	G				
Regression Testing Impact:	G				
Performance Impact:	G				

Option 1 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	n/a	n/a	n/a	n/a	n/a	n/a
Metering (Reads)	L	N	N	N	N	N
Reconciliation	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Capacity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Commodity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Amendment	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Other	n/a	n/a	n/a	n/a	n/a	n/a
Rolling AQ	n/a	n/a	n/a	n/a	n/a	n/a
Formula Year AQ	n/a	n/a	n/a	n/a	n/a	n/a
RGMA	n/a	n/a	n/a	n/a	n/a	n/a
DSC Service	n/a	n/a	n/a	n/a	n/a	n/a
Other (CMS, PO, Portal)	n/a	n/a	n/a	n/a	n/a	n/a