XRN5604 (MOD 0811S) – Shipper Agreed Read (SAR) exceptions process

High Level System Solution
Impact Assessment

Change Overview

XRN5604: Shipper Agreed Read (SAR) Exceptions Process (MOD 0811S)

As part of this change proposal, a new process is required to provide a remedy for SARs that have failed to be progressed (exceptions) within a reasonable period to be proactively managed by the Central Data Services Provider (CDSP).

- The CDSP to receive notification of a Corrective Opening Meter Read
- The submissions can be submitted by either the incoming or outgoing Shipper
- All required information to validate the read is included in the submission
- The CDSP will validate the information provided within the submission against UK Link
- The CDSP will refer the submission to the non-submitting Shipper if the following validations are passed:
  - SMP is Class 2, 3, or 4
  - Raising Shipper is a party in the switch
  - The opening read has been satisfied
  - A Shipper Agreed Read has not already been entered into the Supply Point Register
  - The Shipper transfer took place greater than 2 months prior to the submission
  - Where submitted by the incoming Shipper, the Outer Tolerance (Market Breaker) is breached
  - Where the submission breaches the Outer Tolerance, the submitting Shipper has acknowledged the breach
- Where the above validations do not pass then the CDSP will reject to the submitting Shipper
- On receipt of the referral, the non-submitting Shipper will have [20] Supply Point Business Days (SPSBD) to reject the read
- If on receipt of the referral, the non-submitting Shipper has not rejected the read after [20] SPSBDs), the CDSP will update the Supply Point Register, where the read remains Valid
  - Where the read is found to now be invalid it will be rejected back to the submitting user
- The necessary and required reporting information for PAC will be made available at the required frequency

Solution Option

1	New process in the [new] Contact Management System to manage Corrective Opening Meter Read submission, referral and storage in the Supply Point Register

1 - New process in the [new] Contact Management System to manage Corrective Opening Meter Read submission, referral and storage in the Supply Point Register

[New] CMS
- A new contact to be added to the [new] CMS to support submission, referral, validation and load to the Supply Point Register of Corrective Opening Meter Reads (COMR)
- Post successful creation of contact in the [new] CMS read data will be validated against the Supply Point Register
- On receipt of a referral, the non-submitting Shipper will have the option to respond to dispute the COMR
- After 20 SPSBD, where the non-submitting user has not disputed the COMR then it will be progressed
- Submitting Shipper notified of the outcome of read submission via contact
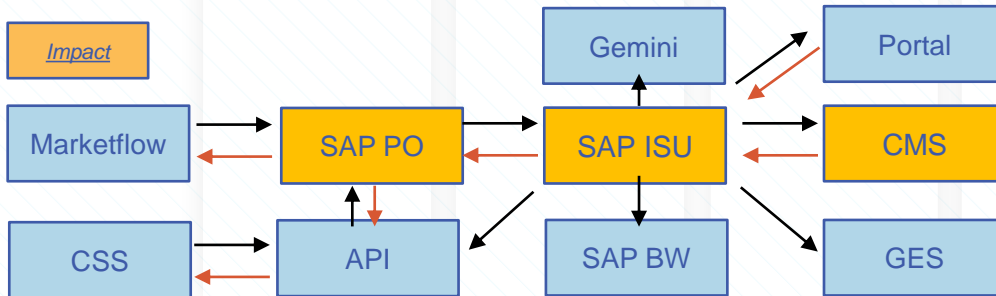- File format changes are required to the Bulk Contact Logging (BCL) file

UK Link
- New APIs will be created to support the process between the [new] CMS and UK Link
- Downstream processes such as volume calculation, reconciliation and AQ calculation, will progress as per existing processes

PAC Report
- New PAC reports to provide statistics relating to the requests received/rejected/accepted and quantify the requests from incoming and outgoing shipper to be produced by the [new] CMS
    - Report requirements to be defined by the PAC

Impacted Systems

| Impact |
| SAP PO, SAP ISU, CMS, API (highlighted orange) |
| Marketflow, CSS, Gemini, Portal, SAP BW, GES |

Assumptions/Comments

Assumptions
- PAC reporting data requirements will be provided prior to build
- No system impact to GES. New Corrective Opening Meter Reads will be uploaded and displayed in the system in line with a Shipper Agreed Read
- No ongoing costs are anticipated but this will not be determined until the Detailed Design Phase

Comments
- CMS contacts can be logged via the User Interface (UI) or file submission (via UI or IX)
- URN will be sent to the relevant shippers to notify them of the read submission in line with existing process
- Due to the 20 SPSBD between initial read submission and the read upload, further read validations may be required at point of upload. These are still to be defined
- CMS will only send notification of outcome of contact to the submitting Shipper
- Reporting will be produced from Power BI, rather than a specific report built in CMS
- Any PAC reporting will not be fed into Business Warehouse (BW)
- If the submitting Shipper disagrees with the submission being rejected, they will _not_ have the functionality to challenge the outcome via the Previously Submitted Contact (PSC) functionality and they will have to raise a new contact
- Market trials and environment costs are not in scope of this estimation
- Solution and estimates are based on knowledge of the change at this point and are subject to change should the scope of the change be amended through analysis and design

Overall Impact	Release Type	High Level Delivery Cost Estimate
Medium	Standalone / Major	70,000 GBP to 150,000 GBP

Option 1 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Workflow	Data Migration
System Component:	CMS Report for PAC	SAP ISU, SAP PO	n/a	SAP ISU, New Contact Code, Validations, Report	n/a	n/a
Impacted Process Areas:	n/a	Metering/SPA	n/a	Metering	n/a	n/a
Complexity Level (per RICEFW item):	Medium	High	n/a	Low	n/a	n/a
Change Description:	CMS to make the necessary data available for PAC. PAC to determine requirements. Testing of available data required	New API services will be required for data validation and read passage to UK Link	n/a	New process to be managed in CMS	n/a	n/a

	ISU	BW	PO	CMS	GES	DDP
Test Data Prep Complexity:	Medium	n/a	Medium	Medium	Low	Low
Unit and System Test Complexity:	Medium	n/a	Medium	Medium	Low	Low
Pen Test Impact:	n/a	n/a	n/a	Low	n/a	n/a
Regression Testing Coverage:	Low	n/a	Low	Low	Low	n/a
Performance Test Impact:	Medium	n/a	Medium	Low	n/a	Low
Market Trials:	n/a	n/a	n/a	n/a	n/a	n/a
UAT Complexity:	Medium	n/a	Medium	Medium	Low	Low

Option 1 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?	Other Areas
CMS Rebuild	Medium	Yes	No	Yes	No	Yes	No
SPA	Medium	No	No	No	No	Yes	No
Metering (Reads)	Medium	No	No	No	No	Yes	No
Reconciliation	Low	No	No	No	No	No	Regression
Invoicing – Capacity	No	No	No	No	No	No	No
Invoicing – Commodity	No	No	No	No	No	No	No
Invoicing – Amendment	Low	No	No	No	No	No	Regression
Invoicing – Other	No	No	No	No	No	No	No
Rolling AQ	Low	No	No	No	No	No	Regression
Formula Year AQ	No	No	No	No	No	No	No
RGMA	No	No	No	No	No	No	No