XRN5188 - Interim Data Loads of MAP Id into UK Link

High Level System Solution
Impact Assessment

Change Overview

XRN5188 – Interim Data Loads of MAP Id into UK Link

This change has been raised to help MAP Id data within UK Link be maintained to a high standard prior to the enduring solution being implemented (as part of XRN4780-C).

To ensure data integrity multiple data loads of MAP Id into UK Link are required before the enduring solution is implemented:
- Delivery of XRN4780-B in the June-2020 Major Release uploaded MAP Id data into UK Link to support CSS.
- Delivery of XRN4780-C is scheduled for November 2021. This is the enduring solution for obtaining MAP Id into CDSP Systems, provided by the Meter Asset Managers (MAMs).
- Existing RGMA rules blank out MAP Id in specific scenarios and the Shippers are not providing the appropriate MAP Id data item within the RGMA files.
- For the enduring solution, MAMs will be providing MAP Id to supplement Shipper provided data, however this will not be the case until XRN4780-C is implemented.

As part of XRN5188 the existing MAP Id migration process created for XRN4780-B will be utilised to update the MAP Id received from the MAPs. The migration program will, as part of the first incarnation of XRN5188, will need to be amended to ensure that it meets the CDSP's requirements following XRN4980-B.

Solution Options

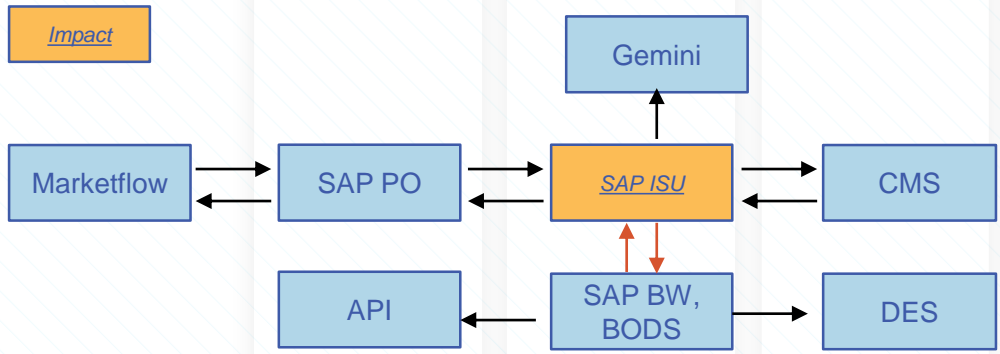| 1	**Utilise the solution and process created for XRN4780-B to perform delta migration for MAP Id into UK Link system**

Option 1 - High Level Impact Assessment

1 - Utilise the solution and process created for XRN4780-B to perform delta migration for MAP Id into UKLink system

SAP IS-U:
- The existing MAP Id migration program ZD_MIG_MAPID will be utilised to validate the records from application server and then maintain the MAP details in custom device table.
- Code amendments in existing program (class ZCL_D_MIGRATE_MAPID_PROCESSING) to ensure validation check is not case sensitive while comparing MSN from input file and EGERR table. This would prevent exception creation for MAP record with valid MSN, but cases are not matching.

Impacted Systems

Impact

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Marketflow ⇄ SAP PO ⇄ SAP ISU → Gemini
                        SAP ISU ⇄ CMS
API ← SAP BW, BODS → DES
SAP ISU ⇅ SAP BW, BODS
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Overall Impact	Release Type	High Level Cost Estimate
Low	Minor	£15,000 to £ 20,000 GBP

Assumptions

- No changes to existing BODS jobs for identifying duplicates, MAP conflicts, file splitting & grouping MAP exceptions.
- The MAP Id details will be provided in .CSV file by the MAP to Customer advocates for uploading into UK Link system.
- This estimate does not include any customer engagement activities.
- There are no amendments to the reporting requirements for this change.
- Post receiving the MAP Id details from MAPs for the delta load, Tech-Ops will provide/agree an adhoc batch run window to run this job in production with required roles and authorisations for Project team.
- The testing would be minimal and Xoserve will provide sample MAP Id files for testing.
- No changes to the existing format or field validations of the MAP Id details received from MAPs.
- Performance testing of the impacted process are not in scope.
- Any defect identified in BAU MAP Migration job other than above change will not be resolved as part of this change.
- This HLSO is valid only for the code amendment and the first data migration, only.

Option 1 - System Impact Assessment

	Reports	Enhancements	Data Migration	CMS
System Component:	N/A	SAP ISU	SAP ISU	N/A
Impacted Process Areas:	N/A	RGMA	RGMA	N/A
Complexity Level (per RICEFW item):	N/A	Low	Low	N/A
Change Description:	N/A	• Code amendments to class ZCL_D_MIGRATE_MAPID_PROCESSING	• MAP ID and MSN update in ZMT_EGERR_STAT_H table	N/A

	ISU	BODS	Portal	AMT Marketflow
Test Data Prep Complexity:	Medium	Low	N/A	N/A
Unit and Sys Test Complexity:	Low	No	N.A	N/A
Pen Test Impact:	Low	No	N/A	N/A
Regression Testing Coverage:	Low	No	N/A	N/A
Performance Test Impact:	No	No	N/A	N/A
Market Trials:	No	No	N/A	N/A
UAT Complexity:	Medium	Low	N/A	N/A

Option 1 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?	CSS Conflicts
SPA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metering (Reads)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Reconciliation	N/A	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	N/A
Invoicing – Commodity	N/A	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	N/A
Invoicing – Other	N/A	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	N/A
Formula Year AQ	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RGMA	Low	No	No	No	No	No	No
DSC Service	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other (BW/BO/BODS)	Low	No	No	No	No	No	No