



XRN4679– Requiring a Meter Read following a change of Local Distribution Zone or Exit Zone

High Level System Solution
Impact Assessment

Change Overview

XRN4679 – Requiring a Meter Read following a change of Local Distribution Zone or Exit Zone

When the Local Distribution Zone or Exit Zone that a Supply Meter Point is amended SAP ISU requires a Meter Reading to be entered. By entering a reading this ensures that the UK Link system has distinct periods against which to levy the transportation charges associated with the different zones.

Solution Options

1

Estimation of a Meter reading by CDSP with an explicit read reason code being provided to the Shipper User

2

Estimation of a Meter reading by CDSP reusing an existing read reason code being provided to the Shipper User

Option 1 - High Level Impact Assessment

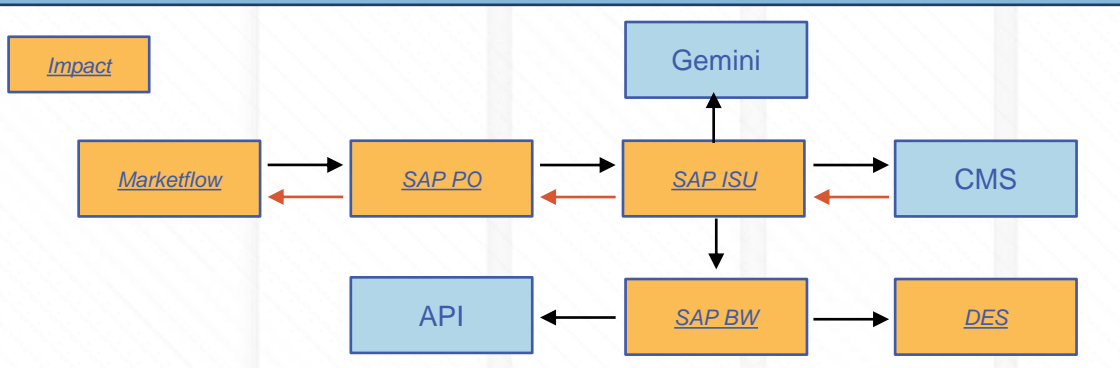
1 - Estimation of a Meter reading by CDSP with an explicit read reason code being provided to the Shipper User

As part of the solution, a new read reason code will be configured in SAP ISU. This will be used for the meter reading order to get created whenever there is a change in Exit Zone or LDZ of the site which will be then picked up for the read estimation. Once the read is estimated, MBR file will be triggered containing the new read reason code in the M03 record. For successful delivery of MBR file, the new read reason code will be configured in Marketflow & SAP PO.

For SAP BW, the read type and the read reason code needs to be defined and mapped for the reports . This will eventually display on the external facing screens in DES.

A report needs to build in order to add an estimated reading on outstanding LDZ / EZ Changes. The report will scan the system for all EZ/ LDZ changes where no read is present and update the meter reading. The input will be the date till which EZ/LDZ change needs to be scanned.

Impacted Systems



Assumptions

- New read reason code needs to be defined SAP ISU/PO/Marketflow
- New read type & read reason code needs to be defined and mapped and no other derivation logic is considered for SAP BW / DES.
- Trigger will be created only on the update of Exit zone / LDZ for an MPRN.
- No Market trails has been considered
- CSEP amendments trigger will be created only on Site takeover.
- CAI file will not be impacted

Overall Impact

Medium

Release Type

Minor

High Level Cost Estimate

30,000 - 40,000 GBP

Option 1 - System Impact Assessment

	SAP ISU	SAP BW	SAP DES	SAP PO	Marketflow
System Component:	Process Code	Reports	External Screen	Configuration	Configuration
Development Type:	Code Change	Code Change	Code Change	Configuration code	Configuration Code
Impacted User(s):	Shippers	Shippers / Networks /iGT	Shippers / Networks	Shippers	Shippers
Build Type:	Existing and new report	Existing	Existing	Existing	Existing
Change Description:	System will be amended to configure the new read reason code for any change in Exit zone or LDZ and follow the estimation process. MBR file to contain the read reason code and sent to Shippers. A report needs to build in order to add an estimated reading on outstanding LDZ / EZ Changes.	Reports to include the new read type and read reason code defined & mapped to each other	New read type defined will be used to populate in the Read Details & Read Transfer screen	New read reason code will be configured for the .MBR file	New read reason code will be configured for the .MBR file

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

Option 1 - Process Impact Assessment

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

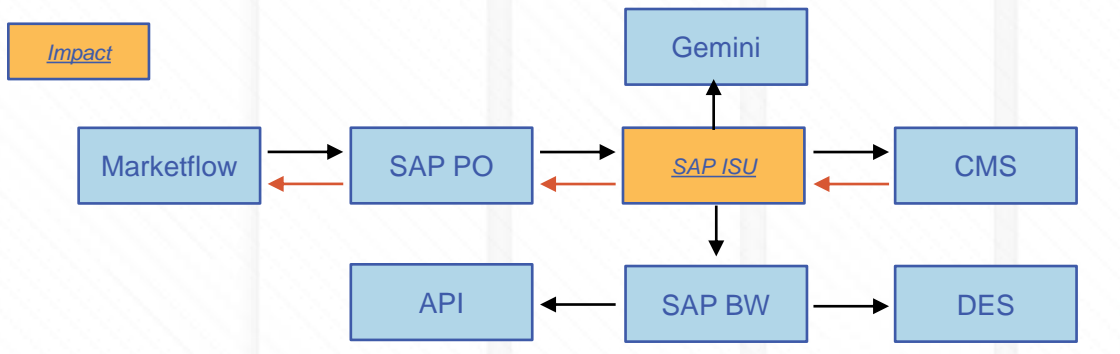
Option 2 - High Level Impact Assessment

2 - Estimation of a Meter reading by CDSP reusing an existing read reason code being provided to the Shipper User

As part of the solution, an existing reason code will be used for the meter reading order to get created whenever there is a change in Exit Zone or LDZ of the site which will be then picked up for the read estimation. Once the estimation runs, MBR file will be triggered which will contain the newly mapped read reason code in it.

A report needs to build in order to add an estimated reading on outstanding LDZ / EZ Changes. The report will scan the system for all EZ/ LDZ changes where no read is present and update the meter reading. The input will be the date till which EZ/LDZ change needs to be scanned.

Impacted Systems



Assumptions

- Existing read reason code needs to be defined and mapped
- Trigger will be created only on the update of Exit zone / LDZ for an MPRN.
- CSEP amendments trigger will be created only on Site takeover.
- CAI file will not be impacted
- End to end testing to be performed from SAP ISU to DES.

Overall Impact	Release Type	High Level Cost Estimate
Low	Minor	15,000 - 25,000 GBP

Option 2 - System Impact Assessment

	SAP ISU	
System Component:	Process Code	
Development Type:	Code Change	
Impacted User(s):	Shippers	
Build Type:	Existing and new report	
Change Description:	System will be amended to map an existing read reason code for any change in Exit zone or LDZ and follow the estimation process. .MBR file to contain the read reason code and sent to Shippers. A report needs to build in order to add an estimated reading on outstanding LDZ / EZ Changes.	
Requirement Clarity:	G	
Change Complexity:	G	
Integration Complexity:	G	
Test Data Prep Complexity:	G	
Test Execution:	A	
Regression Testing Impact:	A	
Performance Impact:	G	

Option 2 - Process Impact Assessment

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