UKL FR Release 3.0
Industry Design Engagement Session

23rd April 2018

R3.0 Scope of changes

#	Change Number	Change Description
1	XRN3656	Read Validation Tolerances
2	XRN4273	Installed Status of Failed MOD614
3	XRN4337	To change the optionality of the Supply Point confirmation reference for the T51 file
4	XRN4431	Reads failing market breaker tolerance to be accepted for correct date following AQ Correction
5	XRN4443	File Format Changes Aug 16 Unique Sites (deferred items from CR252)
6	XRN4453	File Format Should Have changes
7	XRN4454	DN Sales (Outbound Services) Requirements for UKLP enduring solution
8	XRN4458	Class 4 CSEPS Reconciliation Variance Identification
9	XRN4481	Resolution of penny mismatches within invoice supporting information for Core invoices.
10	XRN4486	Meter Type O = Oriffice to be an acceptable value in file formats and reports
11	XRN4495	Energy Tolerance Rejection Code
12	XRN4534	Amendment to RGMA Validation Rules for Meter Asset Installation Date
13	XRN4538	Insertion of Maximum Number of Occurrences in Meter Inspection Date Notice (MID) File
14	XRN4539	New File Level Rejection

R3 Change Summary
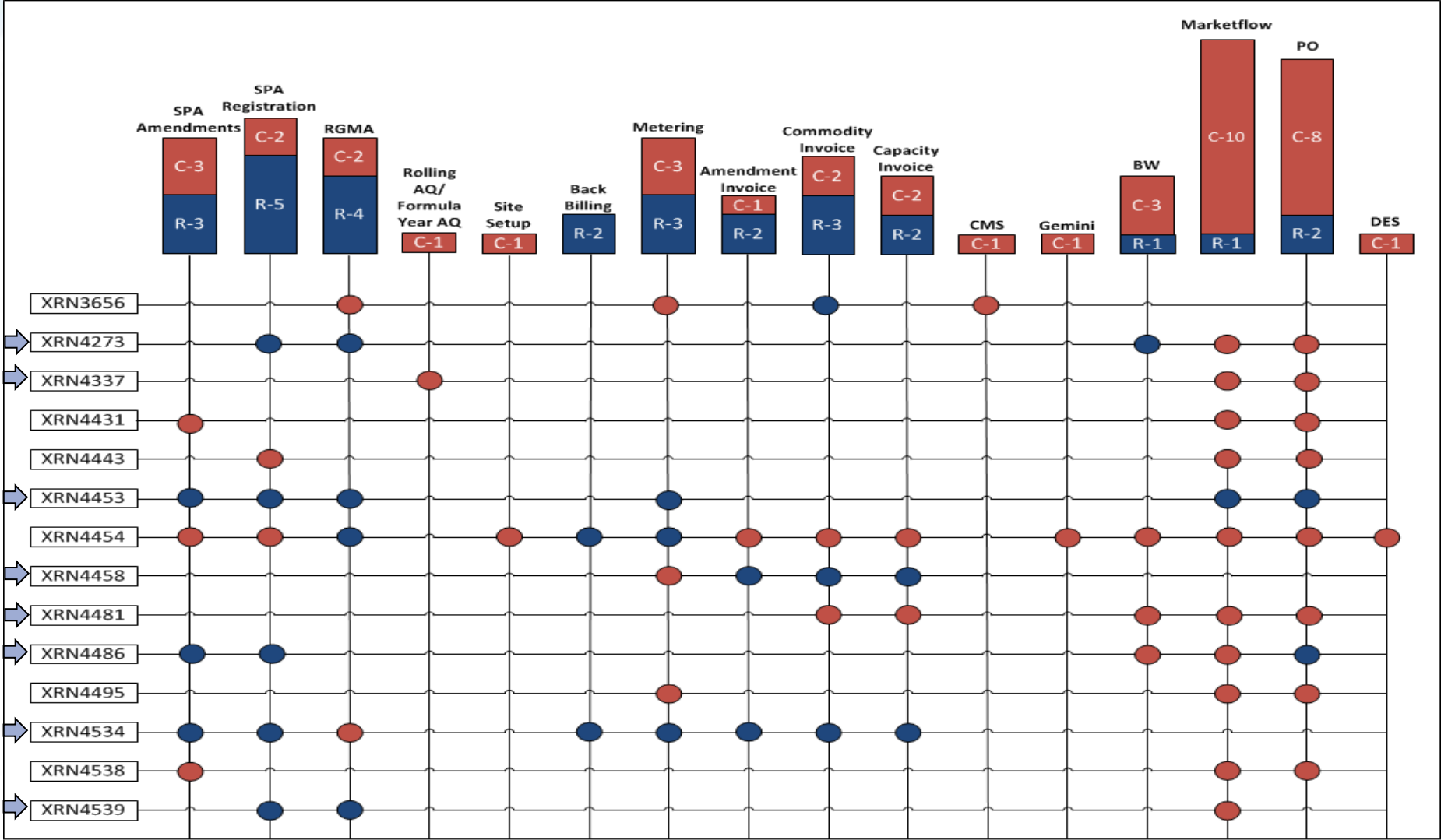
Direct Change Impact Process Areas
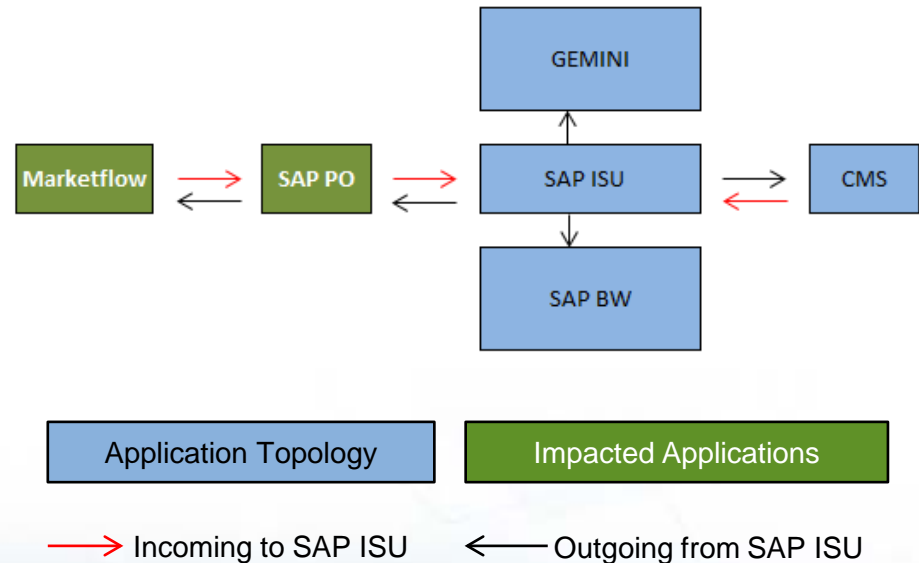
Wider Impacts considered whilst defining solution

Design Summary – XRN4273

Change ID	Solution / Process Changes
XRN4273	This change is to include a new value F (Failed IHD Asset) for this field. List out the impacted file types and configure the new value in Market flow to avoid warning. Impacts functions in both ISU and Marketflow applications. As part of this change, new allowable values will be introduced in 'In Home Display Status' of 'F' - 'Failed IHD Asset'. Changes needed to be carried out in application is outlined below: • This changes is to Add 'F' as new allowable value for field IHD_INSTALL_STATUS in S98 record type . • Impacted file types are PAC,CRS, NMR,TRS,CFR,NRF,SNR,MRI,TRF,ONJOB and ONUPD . • Testing required in Market Flow and SAP ISU application for all Site types and classes along with unique sites

File Format Change	Process
Yes	RGMA

Batch Job	Reporting Requirement
No change	No

Performance Impact Envisaged?	CR Complexity
No	Low

Application Topology	Impacted Applications

⟶ Incoming to SAP ISU   ⟵ Outgoing from SAP ISU

Design Summary – XRN4337

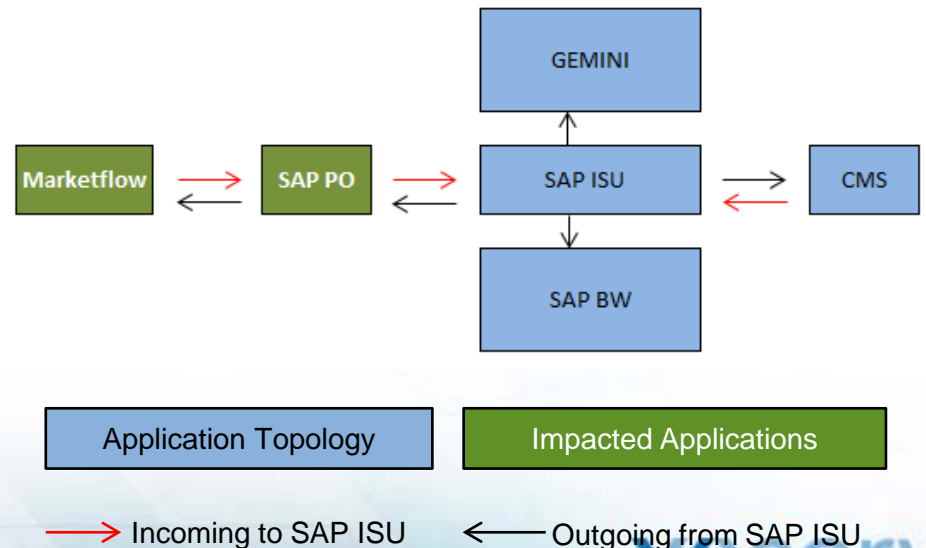| Change ID	Solution / Process Changes
XRN4337	**To change the optionality of the Supply Point confirmation reference for the T51 file** This change is for NRL process. T51 (Winter consumption calculation failure) segment is sent to the shipper which has a Live contract as on the file creation date and also to the incoming shipper if the confirmation status is CO. Changes needed to be carried out in application is outlined below: • Supply point confirmation reference number is a mandatory data item in this segment which impacts SPA required process optionality needs to be changed from mandatory to optional . • Testing impacts across , SAP PO and Market flow applications. Impacted files due to the change are: JOB, UPD, PAC (S98), CRS (S98), NMR (S98), TRS (S98), CFR (S98), NRF (S98), SNR (S98), MRI (S98), TRF (S98).

File Format Change	Process
Yes	Winter Consumption

Batch Job	Reporting Requirement
No change	No

Performance Impact Envisaged?	CR Complexity
No	Medium

Application Topology	Impacted Applications

→ Incoming to SAP ISU   ← Outgoing from SAP ISU
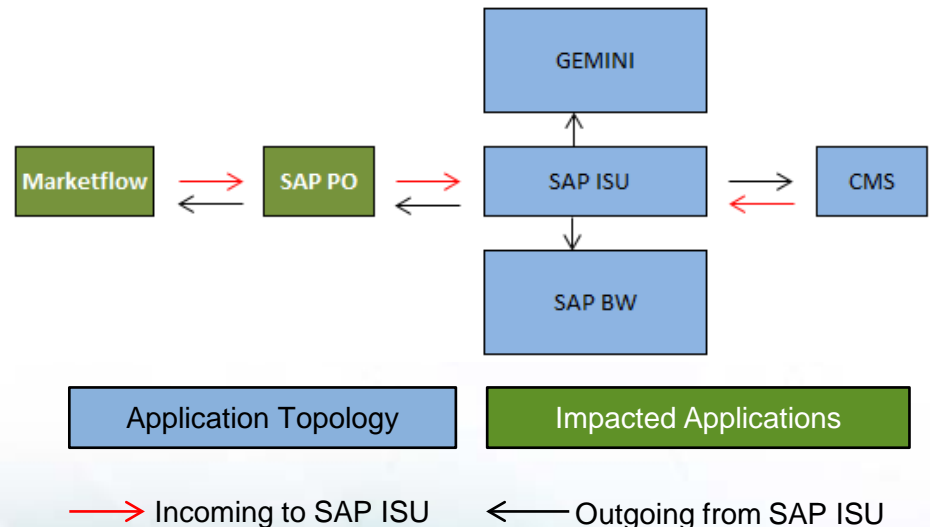
Design Summary – XRN4453

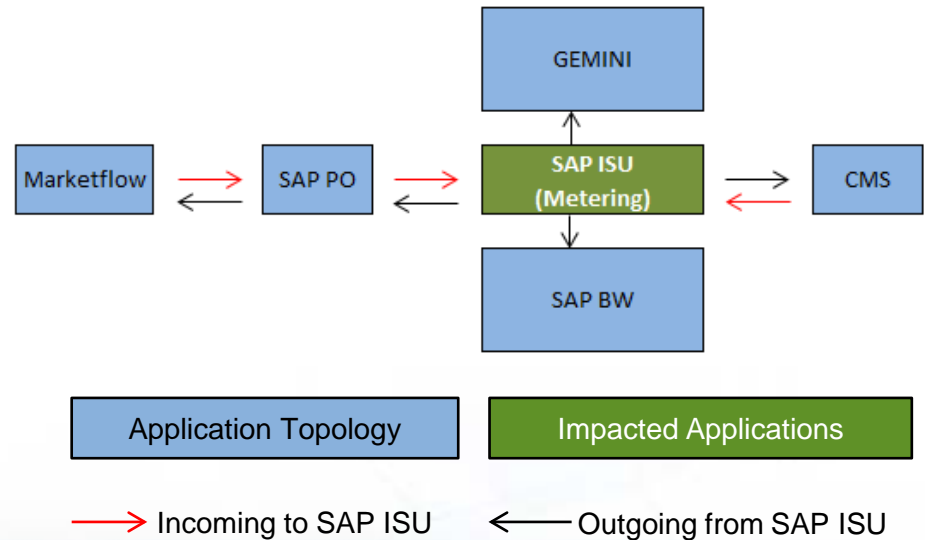| Change ID	Solution / Process Changes
XRN4453	**File Format Should Have changes** This change was raised during UKLINK programme and differed. It contains 100 odd changes out of which 20 odd are related to functional/ format changes. The changes include Optionality changes, adding new fields and hierarchy changes for file types like FSI,CUN,CCN,CIN,ZCS,SFR. Changes, not limited to below, but needed to be carried out in application is outlined below: • Change IGT_PROJECT_REFERENCE filed Optionality from ' M' to 'O' in C65,C64,C67 Record type for CUN,CIN and CCN. • Add new filed as NWO_NAME in K29 record type for FSI file type and Optionality of field is 'M'. • The hierarchy Level of the I09 record to be changed from 3 to level 4 for ZCS file type . • Hierarchy change from /Q28/K42/I09 to /Q28/K42/K80/I09 • Hierarchy order is first I09 and then K71 under K80 • Impacted file types are FSI, CUN, CCN, CIN, ZCS and SFR for this change. • Testing Impacts across above mentioned files and processes.

File Format Change	Process
Yes	All

Batch Job	Reporting Requirement
No change	No

Performance Impact Envisaged?	CR Complexity
No	Medium

Marketflow → SAP PO → SAP ISU → CMS

GEMINI

SAP BW

| Application Topology | Impacted Applications |

→ Incoming to SAP ISU   ← Outgoing from SAP ISU

Design Summary – XRN4458

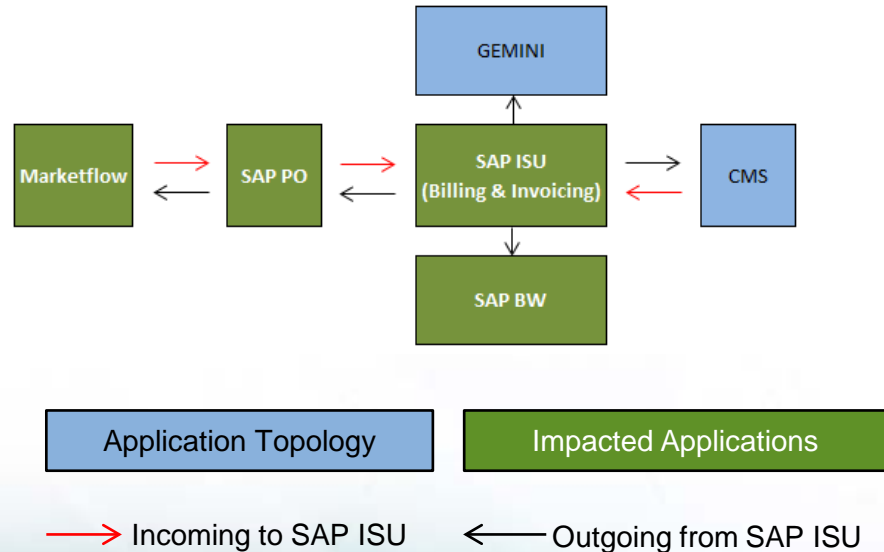| Change ID	Solution / Process Changes
XRN4458	**Class 4 CSEPS Reconciliation Variance Identification** This change will introduce new rules for identification of rec variances for CSEP sites. The process will be initiated from SPA area. Changes needed to be carried out in application is outlined below: • While performing the meter read reconciliation or adjustments during the period for all IGT sites linked to a project, system has to see if there is a change in either the Max AQ or Max SOQ for the concerned CSEP during the billing period. If there is a change, all rec adjustments billing and Support information will work correctly and consider correct time slices and applicable rates for charging on primary and amendment invoices. • Testing required for CSEP Amendment , read reconciliation ,adjustment billing . Regression testing required as well .

File Format Change	Process
No	SPA / Reads

Batch Job	Reporting Requirement
No	No

Performance Impact Envisaged?	CR Complexity
No	Medium

Application Topology   Impacted Applications

→ Incoming to SAP ISU   ← Outgoing from SAP ISU

Design Summary – XRN4481

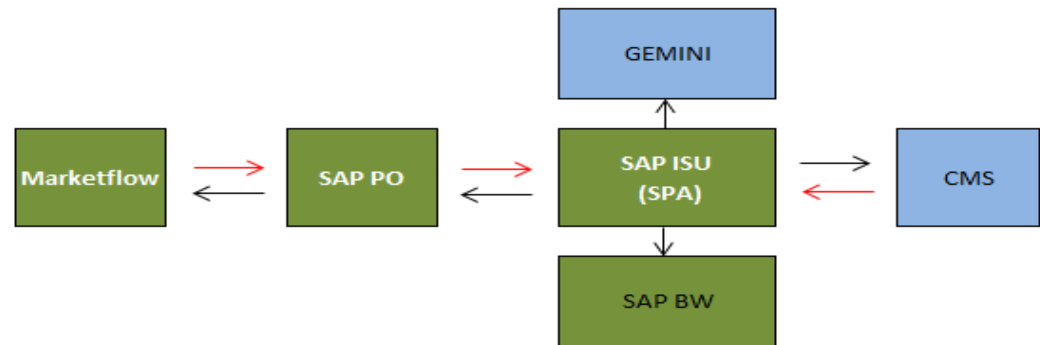| Change ID	Solution / Process Changes
XRN4481	**Resolution of penny mismatches within invoice supporting information for Core invoices** Penny mismatches were identified while validating the financial values within invoice supporting information against the actual invoice values for Capacity and Commodity invoices. This change is to make necessary field level amendments in ZCS, COM, CZI and COI files which will help to validate the thin supporting information files generated from ISU with the SAP BW thick supporting files without any penny differences. These are critical files from Billing perspective and therefore the change mandates comprehensive testing in Billing, BW and integration space. • This change is to make necessary field level amendments in ZCS, COM, CZI and COI files which will help to validate the thin supporting information files generated from ISU with the SAP BW thick supporting files without any penny differences • This change mandates comprehensive testing in Billing, BW and integration space.

File Format Change	Process
Yes	Billing

Batch Job	Reporting Requirement
No change	No

Performance Impact Envisaged?	CR Complexity
No	Medium

Application Topology

Impacted Applications

→ Incoming to SAP ISU   ← Outgoing from SAP ISU

Design Summary – XRN4486

Change ID	Solution / Process Changes
XRN4486	**Meter Type O = Oriffice to be an acceptable value in file formats and reports** Current UK Link file format has following meter type values: D - Diaphragm of Unknown Material, R - Rotary, L - Leather Diaphragm, S - Synthetic, T - Turbine, U - Ultrasonic, Z – Unknown. During migration and IDR few MPRNs were identified with meter Type value as O (Orifice). ➢ Change is identified in 4 SAP BW files and involves regression impacts. ➢ New Allowable value for meter Type 'O' = Orifice .

File Format Change	Process
Yes	SPA

Batch Job	Reporting Requirement
No change	No

Performance Impact Envisaged?	CR Complexity
No	Low

Application Topology

Impacted Applications

→ Incoming to SAP ISU   ← Outgoing from SAP ISU

Design Summary – XRN4534

Change ID	Solution / Process Changes

XRN4534	**Amendment to RGMA Validation Rules for Meter Asset Installation Date**
	
	Currently, when an asset install comes through a ONJOB or ONUPD once the contract is live for a date prior to the contract going live, system will allow asset installation on or after CO date (ONJOB) / LI date (ONUPD).
	
	• As part of this change, the system will be modified to allow asset install on any date provided there is no other shipper. This rule is applicable to both Green Field and Brown Field sites as follows:
	  a) If the site is green field (1st LI confirmation) and is/was not attached to any device then LI shipper can send the device activity request for any date in the past (Not earlier to LIS date)
	  b) If the site is brown field and is not attached to any device then LI shipper can send the device activity request for any date in the past but not in ownership of the last shipper provided the last shipper is different to the current LI shipper. Device activity date cannot go beyond the last read date present in the system for the MPRN.Existing LIS date validation applicable.
	• Comprehensive testing is needed not only from RGMA perspective but impacting changes related to Metering, AQ and Billing downstream processes

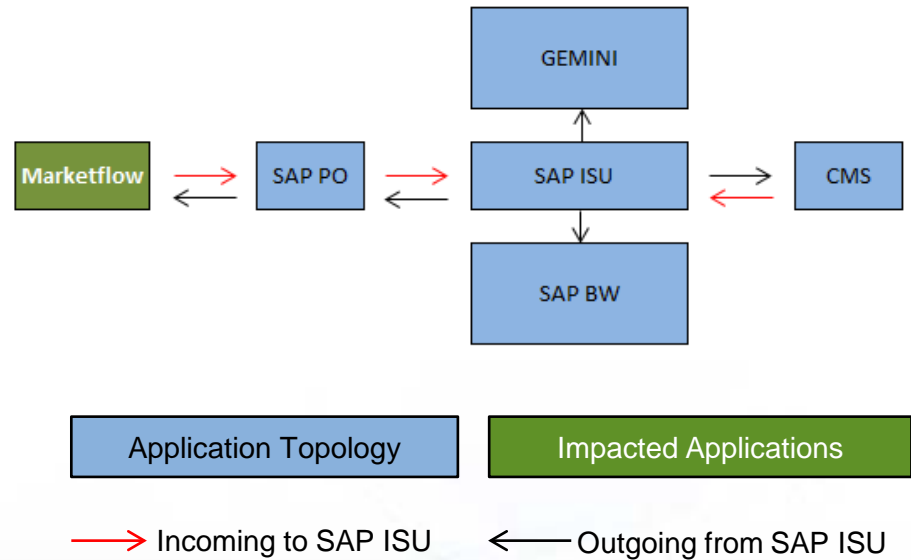| File Format Change	Process
No	RGMA

Batch Job	Reporting Requirement
No change	No

Performance Impact Envisaged?	CR Complexity
No	Complex

→ Incoming to SAP ISU   ← Outgoing from SAP ISU
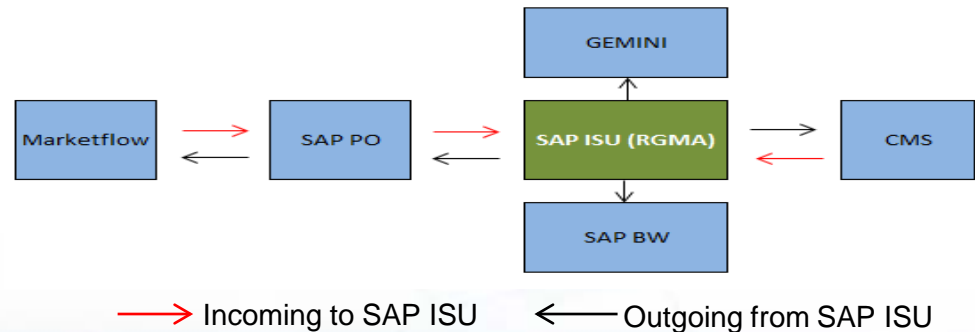
Design Summary – XRN4539

Change ID	Solution / Process Changes
XRN4539	**New File Level Rejection** Change involved in FRJ file type, rejection code need to be added. Design to cater to all the possible scenarios. ➢ There are certain file types where the L1 records are defined as mandatory. System expects at least one mandatory record in the file with all valid fields. If it is not received then reject the whole file and create a FRJ response with error code FIL00020 (No Valid Message - File contains incorrectly formatted records). ➢ File level rejection testing required at Market flow .

File Format Change	Process
Yes	Marketflow

Batch Job	Reporting Requirement
No change	No

Performance Impact Envisaged?	CR Complexity
No	Low

Application Topology	Impacted Applications

→ Incoming to SAP ISU   ← Outgoing from SAP ISU

Recap – Design Summary for 8 Changes

#	Change Number	Impacted Process Area	Complexity	Impacts to File Formats?	Impacts on Exceptions?	Performance Testing Required?	External Screen Changes?
1	XRN4273	Marketflow, SAP PO	Low	No	No	No	No
2	XRN4337	Marketflow, SAP PO	Medium	Yes	No	No	No
3	XRN4453	Marketflow, SAP PO, Reads	Medium	Yes	No	No	No
4	XRN4458	Reads	Medium	No	No	No	No
5	XRN4481	Marketflow, SAP PO, Billing, Invoicing, SAP BW	Medium	Yes	No	No	No
6	XRN4486	Marketflow, SAP PO, SPA, SAP BW	Medium	Yes	No	No	No
7	XRN4534	RGMA	Complex	No	No	No	No
8	XRN4539	Marketflow	Low	No	No	No	No

XOserve

Glossary of Terms

#	Abbreviation	Description - Definition
1	ISU	Industry Specific Solution for Utilities
2	RGMA	Review of Gas Metering Arrangements
3	SAP PO	SAP Process Orchestration
4	SAP BW	SAP Business Warehouse
5	CMS	Contact Management Service
6	SPA	Supply Point Administration

XOserve

Questions

Thank You