



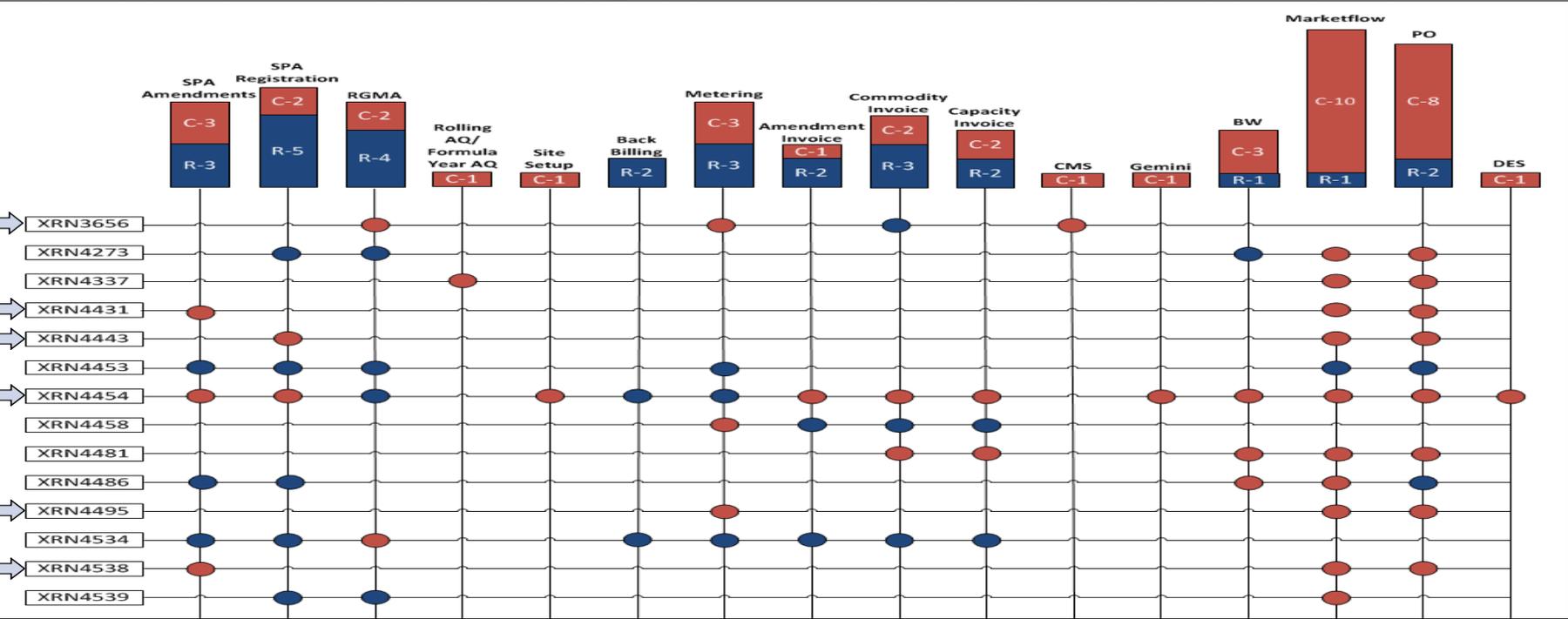
UKL FR Release 3.0
Industry Design Engagement
Session

9th 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 AQCorrection
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 = Orifice to be an acceptable value in file formats and reports
11	XRN4495	Energy Tolerance Rejection Code
12	XRN4534	Amendment to RGMA Validation Rules for MeterAsset 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

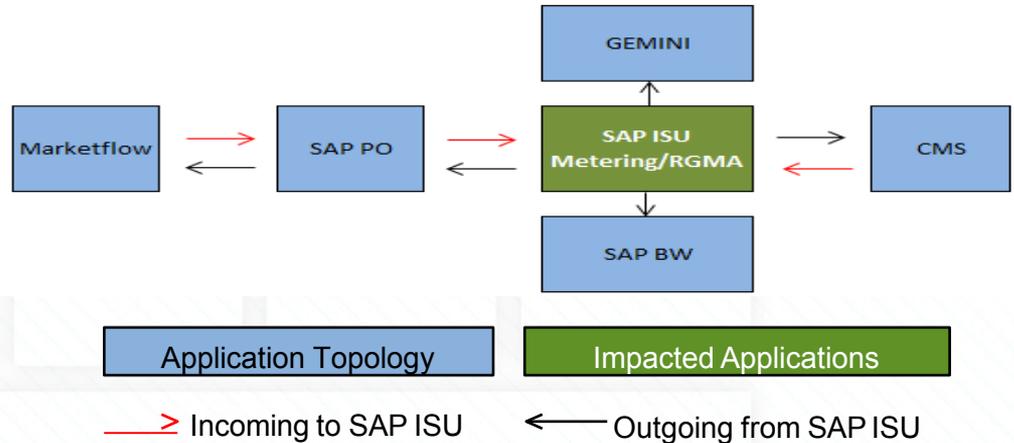


- Direct Change Impact Process Areas
- Wider Impacts considered whilst defining solution

Design Summary - XRN3656

Change ID	Solution / Process Changes
XRN3656	<p>Change will be carried out in read validation process wherein additional tolerances will be introduced. Changes needed to be carried out in application is outlined below:</p> <ul style="list-style-type: none"> Split current 2kWh-200kWh band into 2 more bands so as to widen the tolerance on the lower of the two bands Impacts read validations owing to introduction of new AQ bands - which cuts across processes dealing with meter reads including RGMA and Consumption Adjustments It impacts change across the interfaces where reads are involved like UMR, UBR, RGMA reads, consumption adjustments and manual read entry process Xoserve Testing predominantly in the area of AQ band and read validations

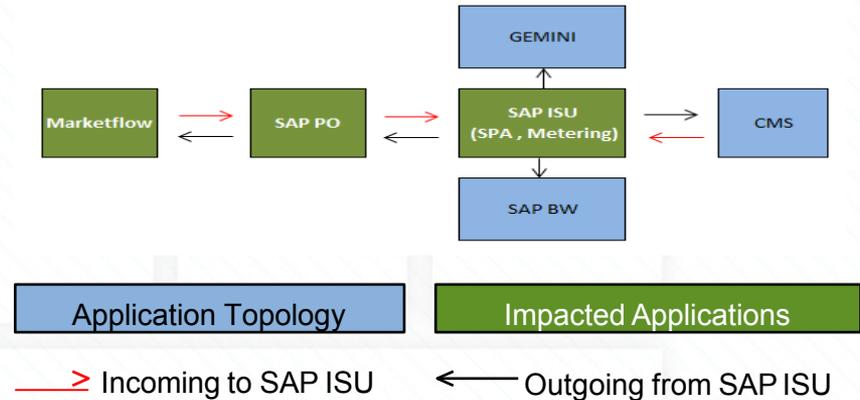
File Format Change	Process
No	Metering /RGMA
Batch Job	Reporting Requirement
No change	No
Performance Impact Envisaged?	CR Complexity
No	Medium



Design Summary – XRN4431

Change ID	Solution / Process Changes
XRN4431	<p>Change has been raised to allow for reads to be accepted which fail market breaker tolerance for the read date post AQ Correction. Changes needed to be carried out in application is outlined below:</p> <ul style="list-style-type: none"> ▪ AQI file will be enhanced with an additional U01 segment as a child to C41 in order to receive the reads ▪ U01 responses will be sent out in AQR file. U10 and U02 will be added to C43 as child and at the same level of S72 and Q44 ▪ U10 will be sent when the read will be accepted and U02 when the read is rejected ▪ There will be change made in the AQ correction workflow process to introduce the above additional activities along with changes to SAP PO and Marketflow applications ▪ Xoserve Testing needs to be predominantly carried out in AQ correction process area and read processing to ensure there are no regression impacts

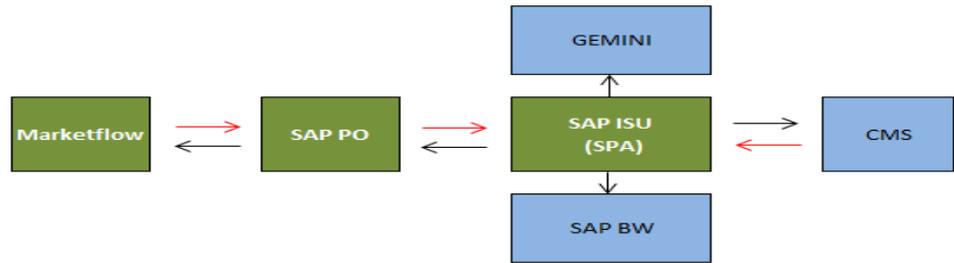
File Format Change	Process
Yes	SPA Metering
Batch Job	Reporting Requirement
No change	No
Performance Impact Envisaged?	CR Complexity
Yes	High



Design Summary – XRN4443

Change ID	Solution / Process Changes
XRN4443	<p>There are two separate elements to this change. Firstly to ensure the correct SPECIFIED ENTRY POINT can be provided and Secondly, to ensure the correct notification of sharing shipper details for Shared Supply Points during the confirmation process a change is required. Changes needed to be carried out in application is outlined below:</p> <ul style="list-style-type: none"> ▪ RCI File - Length of field 'SPECIFIED_ENTRY_POINT_NAME' in U91 record needs to be changed from 9 to 40. Involves changes to relevant code objects to align with the modified data structure length ▪ ANT File: The hierarchy occurrence of U89 record needs to be changed from 1 to 100. Involves changes to relevant code objects to cater to new occurrence changes and allow for all information to be processed. ▪ There will be change made to SAP PO and Marketflow applications as well to cater to interface specifications ▪ Xoserve Testing needs to be predominantly carried out within SPA suite for Unique sites where above files are impacted

File Format Change	Process
Yes	SPA
Batch Job	Reporting Requirement
No change	No
Performance Impact Envisaged?	CR Complexity
No	Medium



Application Topology

Impacted Applications

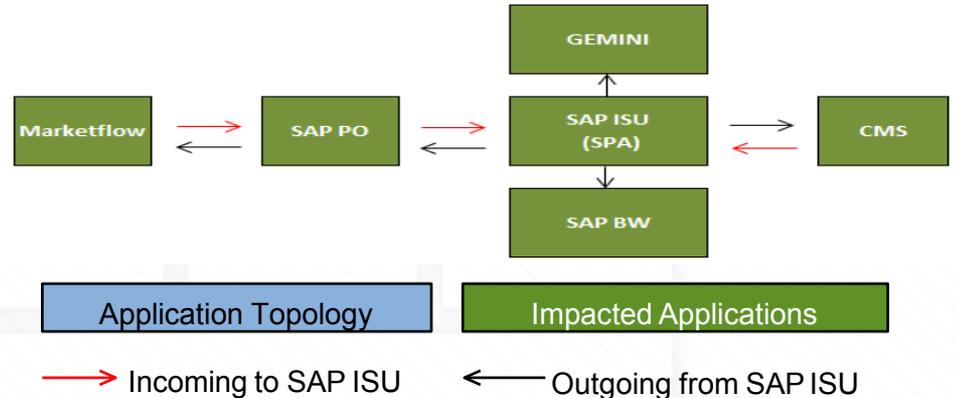
→ Incoming to SAP ISU

← Outgoing from SAP ISU

Design Summary – XRN4454

Change ID	Solution / Process Changes
XRN4454	<p>Change has been raised to have automated billing solution in place for Cadent and transmission organisations. As of now tactical solution was put in place considering code stability during Project Nexus implementation. Changes needed to be carried out in application is outlined below:</p> <ul style="list-style-type: none"> ▪ NGT to be setup as NTS stakeholder and assigned to MPRN's as 'network' for NTS sites which are currently tagged to TGT. One time data update will be needed as time of implementation. Changes to portfolio files to reflect the NTS sites data being sent to NGT ▪ Changes to billing to have updated mapping of charge type and stakeholder to allow for automated invoice generation for NTS ▪ Changes to portal and IDAM solution to reflect new organisation setup and relevant user profiles ▪ Changes to CMS to include common functionality for NTS stakeholder ▪ Changes to Gemini application involving segregation of meterpoints to be assigned to NTS

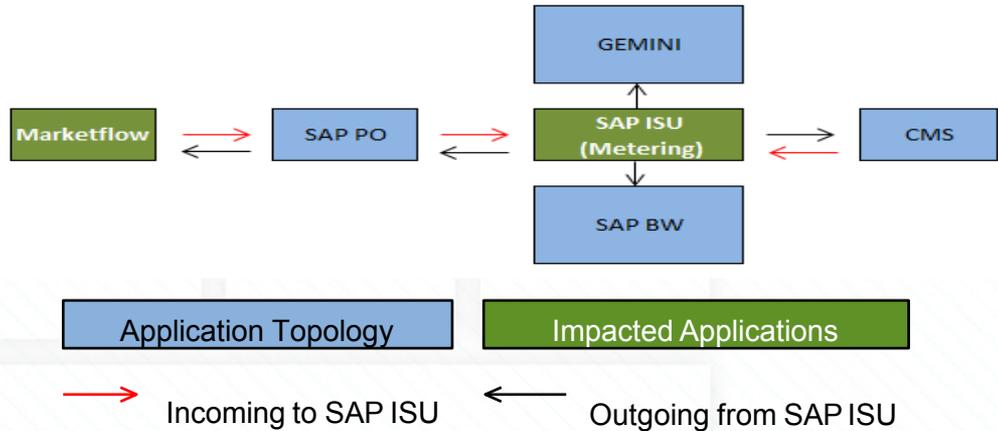
File Format Change	Process
Yes	All
Batch Job	Reporting Requirement
Yes (for some NTS file generation)	Yes
Performance Impact Envisaged?	CR Complexity
No	High



Design Summary – XRN4495

Change ID	Solution / Process Changes
XRN4495	<p>Tolerance override flag currently has 2 allowable values Blank and Y. It has been noticed that there were instances where shipper has provided value N in this field and this has been accepted and issued in the transfer read notification files. This change is to reject the read requests if Tolerance override flag value is other than Y or blank. Changes needed to be carried out in application is outlined below:</p> <ul style="list-style-type: none"> Validation will be introduced within SAP ISU to reject read requests if Tolerance override flag value is other than Y or blank Changes will be affected in DLC, UDR, UBR, UMR & SFN file types where this information is received New rejection code will be defined for this scenario which will be sent in RPA, URS and SFR file types

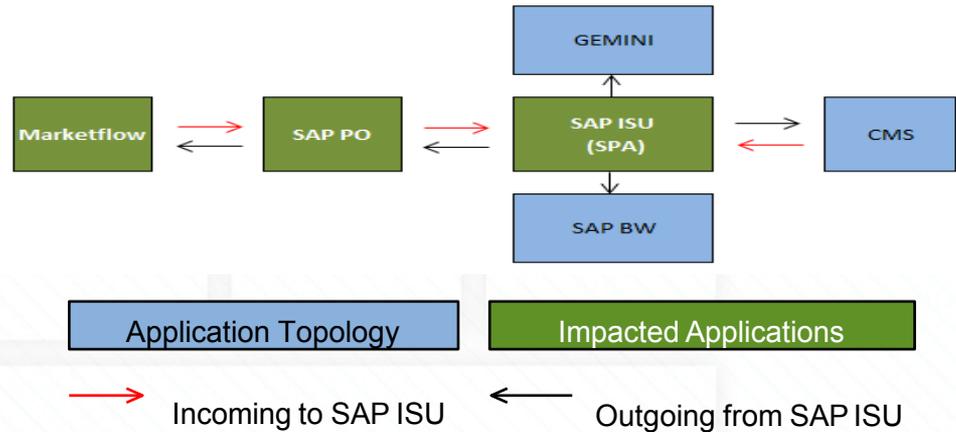
File Format Change	Process
Yes	Metering
Batch Job	Reporting Requirement
No change	No
Performance Impact Envisaged?	CR Complexity
No	Low



Design Summary – XRN4538

Change ID	Solution / Process Changes
XRN4538	<p>Current Approved MID file does not have any maximum record occurrence defined for N44 Segment. This change is to limit the occurrences of the N44 within the MID file to 15000. Changes needed to be carried out in application is outlined below:</p> <ul style="list-style-type: none"> ▪ The occurrences of N44 segment within the MID file structure will be modified to a maximum of 15000 records, if a higher number of N44 records is received the MID file then the file would be rejected using the existing rejection reasons. ▪ Change will be made to SAP PO and Marketflow applications as well along with SAP IS-U ▪ Performance testing will be carried out for this change to ensure there are no adverse impacts to system performance

File Format Change	Process
Yes	SPA
Batch Job	Reporting Requirement
No change	No
Performance Impact Envisaged?	CR Complexity
Yes	Low

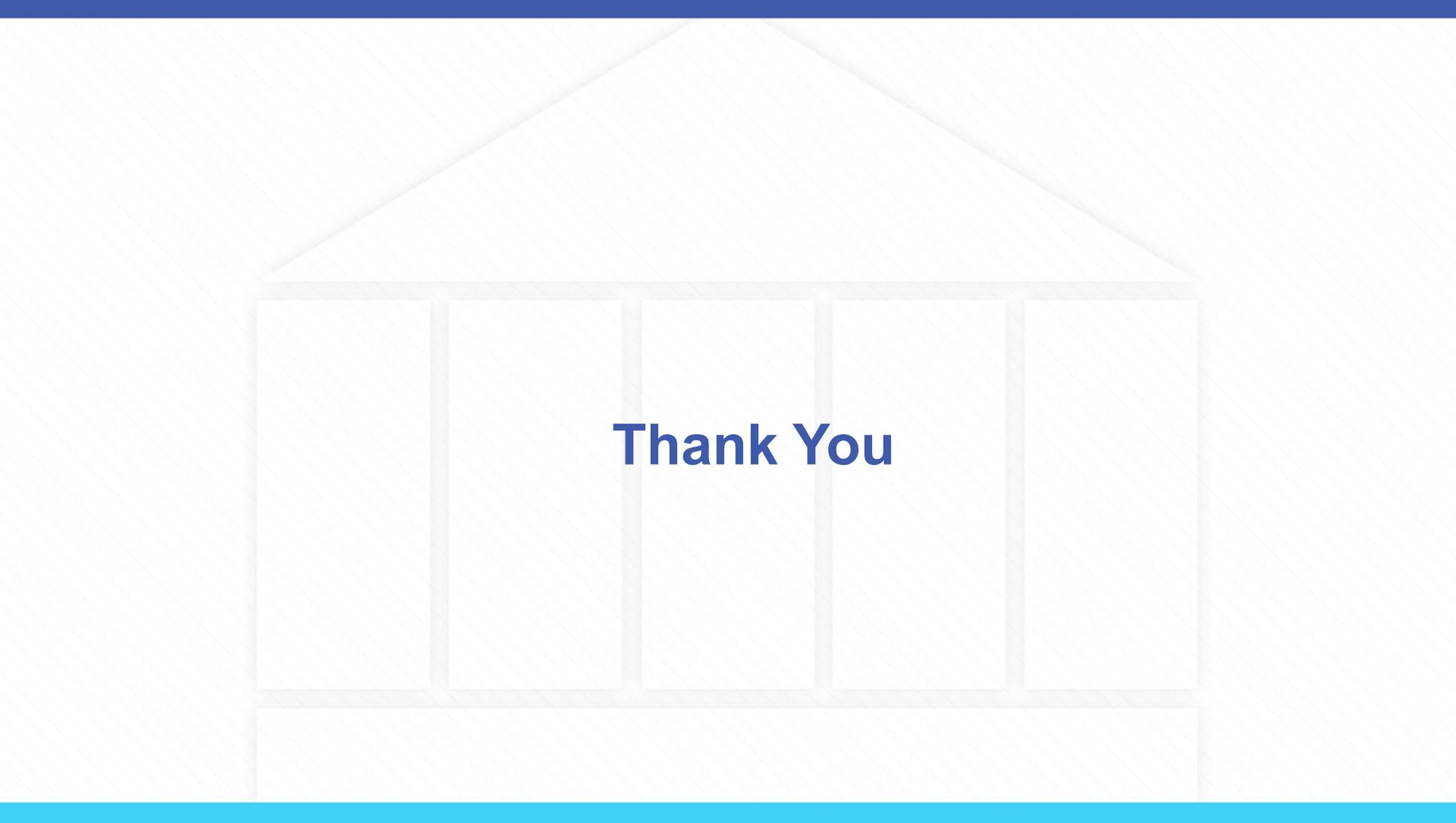


Recap – Design Summary for 6 Changes

#	Change Number	Impacted Process Area	Complexity	Impacts to File Formats?	Impacts on Exceptions?	Performance Testing Required?	External Screen Changes?
1	XRN3656	Reads, RGMA	Medium	No	No	No	No
2	XRN4431	SPA, Reads	High	Yes	No	Yes	No
3	XRN4443	SPA	Medium	Yes	No	No	No
4	XRN4454	SPA, Billing, Reporting, CMS, Gemini, Portal	High	Yes	No	No	Yes
5	XRN4495	Reads	Low	Yes	No	No	No
6	XRN4538	SPA	Low	Yes	No	Yes	No

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



Thank You