DSC Delivery Sub-Group

2nd December 2019

DSG Agenda

2nd December 2019

DSG Agenda (1)

Item	Title	Document Ref	Lead	Action Required From DSG
1.	General Meeting Administration			
1a.	Welcome and Introductions	Verbal	Chair	Introduce yourself
1b.	Previous DSG Meeting Minutes and Action Updates	Verbal	Chair	Approval of the meeting minutes for the previous meeting
2.	Issue Management	Verbal	Megan Laki/ Eamonn Darcy	Standing agenda item – for information (if there is an update)
2a.	B149 Exceptions	Slides	Michelle Downes	For information
2b.	Defect 1492	Slides	Simon Harris / Dave Turvey	For information and discussion
3.	Changes in Capture			
3a.	Change Proposal Initial View Representations / Ratification of the Prioritisation Scores – **None for this meeting**			
3a.i.	XRN5036 – Updates to must read process	Slides	Ellie Rogers	For information and discussion
3a.ii.	XRN5038 – Convert Class 2, 3 or 4 meter points to Class 1 when G1.6.15 criteria are met (MOD0691)	Verbal	David Addison	For information and discussion
3a.iii.	Supplier details not accurately presented within primary billing supporting information files	Slides	Simon Harris	For information and discussion
3b.	Undergoing Solution Options Impact Assessment Review			
3c.	Solution Options Impact Assessment Review Completed			
3c.i.	XRN4931 – Submission of space in mandatory data on multiple SPA files	Slides	Simon Harris	For information and discussion
4.	Changes in Detailed Design			
4a.	Design Considerations			
4b.	Requirements Clarification			

DSG Agenda (2)

|				
5.	Major Release Update			
5a.	June 2020	Slides	Simon Burton / Surfaraz Tambe	Standing agenda item – for information (if there is an update)
5b.	XRN4914 - MOD 0651- Retrospective Data Update Provision	Slides	Tracy O'Connor/ Paul Orsler	Standing agenda item – for information (if there is an update)
5c.	November 2019		Mathew Rider	For information and discussion
5c.i.	XRN4621 – Suspension of the Validation between Meter Index and Unconverted Converter Index	Slides	Mathew Rider	For information and discussion
	Annex – For Information			
6.	Defect Summary	Slides	Mark Tullett	Standing agenda item – for information (if there is an update)
7.	Portfolio Delivery			
7a.	Portfolio Delivery Overview POAP	POAP published on Xoserve.com		Standing agenda item – for information (if there is an update)
7b.	Retail and Network Delivery Overview	Slides	Richard Hadfield/Julie Bretherton	Standing agenda item – for information (if there is an update)

1b. Previous DSG Meeting Minutes and Action Updates

- The DSG Actions Log will be published on the DSG pages of Xoserve.com

2. Issue Management

2. Issue Management

- The AQ register can be found on Xoserve.com
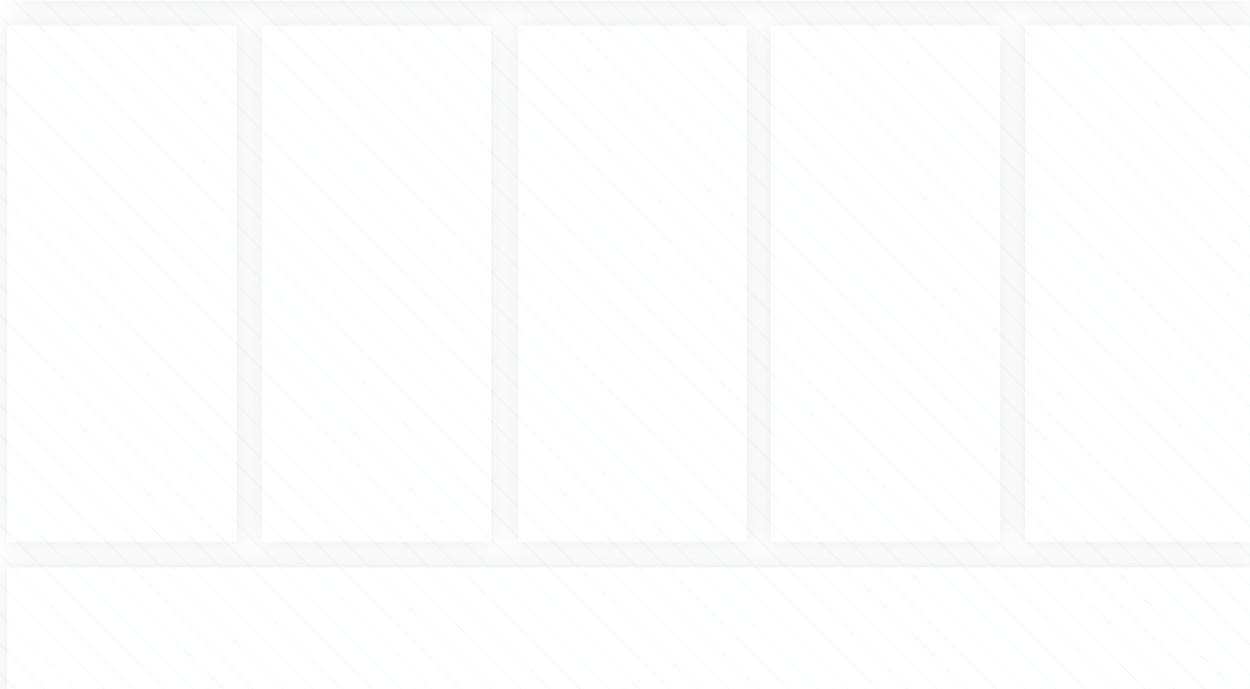
2a. BI49 Exceptions – Created following receipt or creation of an advancing read when the MPRN is isolated

Agenda

- What happened pre UK Link replacement
- What happens post pre UK Link replacement
- Scenario's
- Options of how to fix the issue

Pre UK Link implementation – What happens?

- An advancing read would have been accepted on the system

- This would have created a USRV

- Shipper would have a set amount of time to complete the USRV

- If this was not completed, Xoserve completed on the shippers behalf and charged for this service

Post UK Link implementation – What happens?

- System accepts an advancing read before the isolated flag is removed

- System generates an exception (BI49) during the billing process

- These exceptions can not be processed (currently 8,802 @ 26th Nov) as there is no agreed approach

- Commodity and Reconciliation is not being billed for these sites

- Defect was raised and fixed in October 2017 to prevent the system generating advancing estimated reads

- A change has been raised and due to be implemented in November 2020. This will prevent the system from accepting an advancing read however, a solution is still required for the outstanding exceptions

- A decision is required on how to process these outstanding exceptions

Scenario's

Pots	Scenario	Fixed by the defect or CR
1	Site still isolated, shipper transfer or reconfirmation **estimate** generated which is advancing (FINT/OPNT)	Defect
2	Site reconnected, shipper transfer or reconfirmation **estimate** generated when site was still isolated (FINT/OPNT	Defect
3	Site reconnected, RGMA **estimated** advancing read (FINX)	Defect
4A	Site still isolated, RGMA **estimated** advancing read (FINX/FINC)	Defect
4B	Site still isolated, RGMA **actual** advancing read (FINX/FINC)	CR
5	Site reconnected, RGMA **actual** advancing read (FINX)/ or advancing on RC first day received	CR
6	Site isolated but exception includes a period where meter was live	CR
6B	Site reconnected but exception includes a period where meter was live	CR

BI49 Exceptions: Options – Interim

	Option		
	Interim (Backlog)	**Pros**	**Cons**
1	Zero the consumption, zero value invoice, provide portfolio and read data to Shipper to raise RFA	• Shipper in control of the adjustment • Provides opportunity to invoice all energy • All billing is automatically calculated	• Consumption may be applied to the incorrect period • Impacts AQ
2	Zero the consumption, zero value invoice, Xoserve can raise an RFA based on submitted read	• Provides opportunity to invoice all energy • May reduce amendment invoice issues	• Consumption may be applied to the incorrect period • Impacts AQ • Risk consumption could be inaccurate based on the read submitted
3	Zero the consumption, zero value invoice and offline adjustment	• Provides opportunity to invoice all energy • May reduce amendment invoice issues	• Impacts AQ • Risk consumption could be inaccurate based on the read submitted

3. Changes in Capture

3a. Change Proposal Initial View Representations / Ratification of the Prioritisation Scores

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- 3a.i. – XRN5036 – Updates to must read process

- 3a.ii. – XRN5038 – Convert Class 2, 3 or 4 meter points to Class 1 when G1.6.15 criteria are met (MOD0691)

- 3a.iii. – XRN4904 - Supplier details to be accurately presented within primary billing supporting information files (Level 1 and level 2 - Defect 7130/CR178)

3a.i. XRN5036 – Updates to must read process

Background

- DN raised change

- Brought about from Modification 0692 – Automatic updates to Meter Read Frequency

- The Modification (if implemented) could have unintentionally impacts on the must read process as it will increase the population of Monthly read sites.

- To ensure that the must read process is fit for purpose, the criteria should be updated to generate must read Contacts for required sites only.

- Please note that the criteria for the required sites is at the DNs discretion

High Level Requirements

- Currently the must read process is as follows:

  - On the 20th business day must read Contacts are generated for:
    - Monthly read sites that have not had a valid read loaded on UK Link for 4 months
    - Non-monthly read sites that have not had a valid read loaded on UK Link for 24 months

  - Pre-Notes with the MPRNs which fall into the criteria above are sent to Shippers on the 1st of the month to give them a few weeks to gain reads, load them, and avoid a must read being generated

- It is proposed that the new requirements for must read process are as follows:

  - Sites that meet one or more of the following conditions are excluded from the must read generation process
    - Have Meter Mechanism Code of [NS, S1 or S2] *- see next slide for additional condition*
    - Have an [AMR Indicator]
    - Have an [active DCC flag]

High Level Requirements

- As per Modification 0692, checks are being proposed to ensure an NS and S1 Meter is operating as a Smart Meter.

- [This will follow that we should only classify such Meters as Smart where the Installing Supplier is the same as the Effective Supplier, otherwise the NS and S1 Assets will be considered not operating in a Smart functionality and subject to must reads.]

Key Things to note

- Based on this logic, MPRNs which have Meter Mechanism Code NS, S1 and S2, those which have an AMR Indicator or an active DCC flag would be present on the Pre-Notes report but will not have a must read generated for them.

- Other than smart meters being filtered out, existing logic should remain the same

- Preference for this change to be implemented as close to the implementation of XRN4941 (Change Proposal for Modification 0692) as possible, which is in scope of the June 2020 Release.

- Impact assessment will decide whether this is a Minor or Major Release

DSG Initial Review/Discussions

- Do DSG have any initial views or considerations on this change?

3a.ii. – XRN5038 – Convert Class 2, 3 or 4 meter points to Class 1 when G1.6.15 criteria are met (MOD0691)

- The Change proposal can be found here.
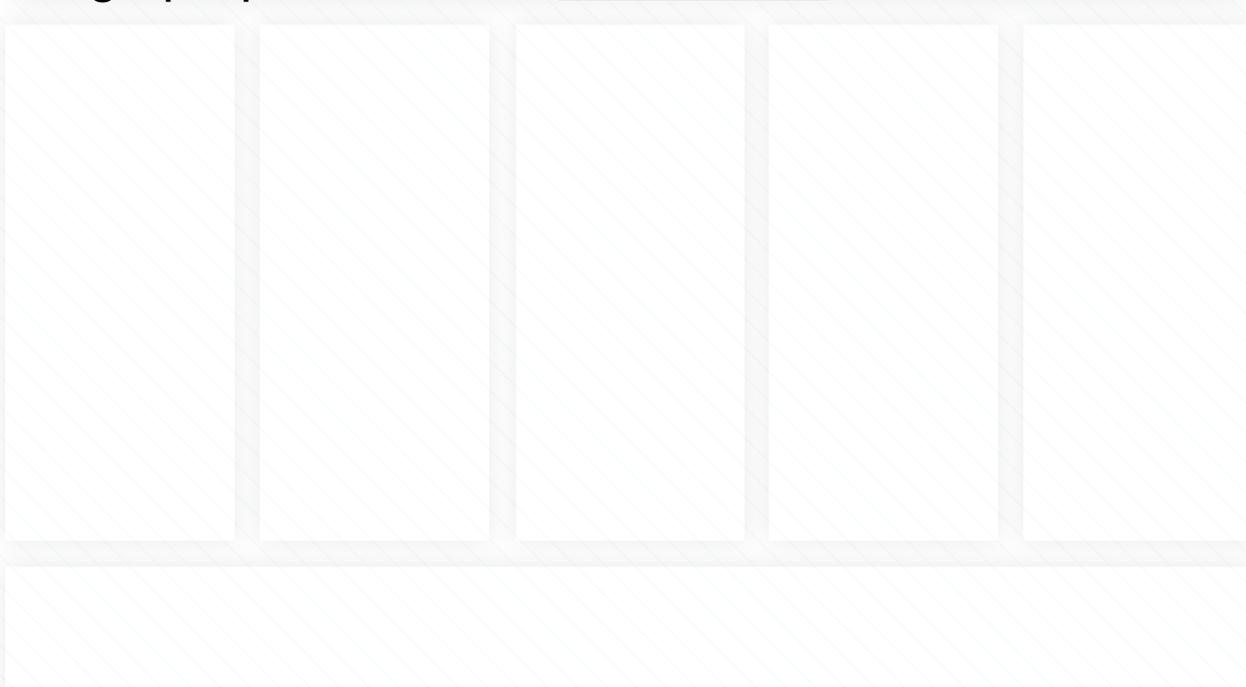
3a.iii. Supplier details not accurately presented within primary billing supporting information files

DSG 2nd December 2019

Background

- Currently, where Supplier details are updated outside of a Shipper Confirmation (Re-Confirmation / Transfer) i.e. via .GEA file the invoice supporting information files (Capacity, Commodity & Amendment) do not reflect this change if it occurred between billing periods
- It only shows the current Supplier for the whole period and does not apportion the billing period between each Supplier
- This has been the case since NEXUS Implementation

Background Continued

- During initial investigations, it was found that, as part of CSSC, any Supplier amendments made (even if the Shipper remains the same) will require a Re-Confirmation within UK Link (currently this is not the case)
- As per standard billing practices, the CDSP will invoice at confirmation/contract level
- So in effect, the invoice supporting information files will reflect correctly the Supplier details by default for the appropriate billing periods following implementation of CSSC changes

DSG Action

- Due to the required file format amendments, any change to rectify these issues would be a candidate for major release only

- Timeframes for next major release for this change is currently November 2020 but that contains Retro so could be later

- With CSS currently planned for 2021 and an already congested change landscape we're proposing to not progress with fixing of this issue and wait until CSSC is implemented

- Do DSG feel this is the correct approach?

3b. Undergoing Solution Options Impact Assessment Review

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- None for this meeting

3c. Solution Options Impact Assessment Review Completed

3c. Solution Options Impact Assessment Review Completed

- 3c.i. – XRN4931 – Submission of space in mandatory data on multiple SPA files
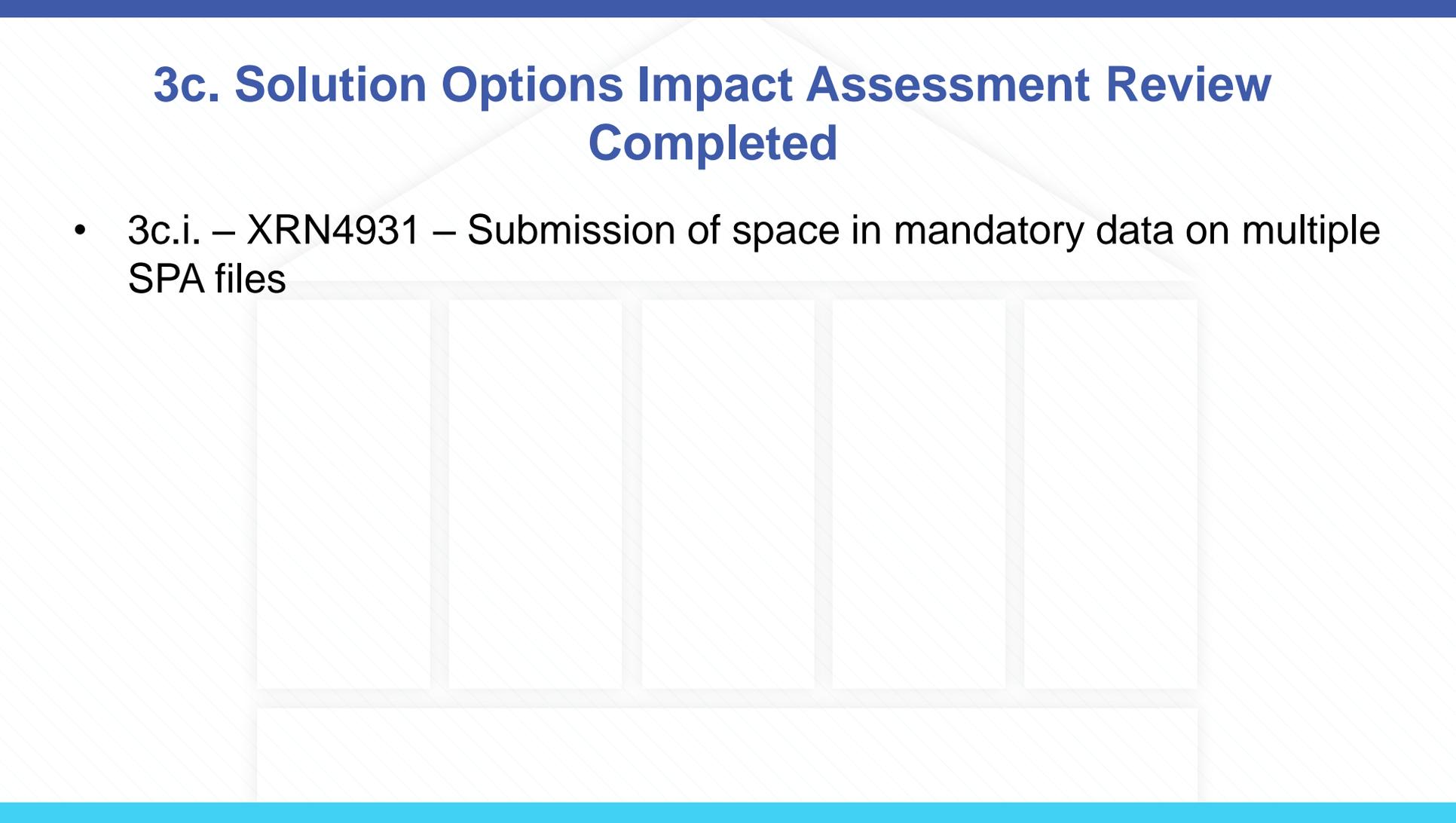
Change Overview

XRN4931 - Submission of a Space in Mandatory Data on Multiple SPA Files

It has been brought to our attention that Shippers have been submitting files (e.g. MSI, EMC & CNF) with a "space" value populated in mandatory fields instead of the required allowable value (e.g. Y/N). As Space is allowable ASCII value, AMT has not rejected the inbound file as it considers this satisfactory that a value has been provided for a mandatory data item, however, once SAP has carried out its lower level validation (as it is expecting a different value e.g. Y/N) it is unable to 'play back' the data in the appropriate rejection file due to it not recognising a "space" to populate. The mandatory data item is therefore being populated as a null value so the outbound rejection file is being rejected by AMT as not having all mandatory data items populated.

Solution Options

1	Changes in PO config to send default values recognised by AMT (Marketflow)
2	Changes in SAP ISU with no conversion and PO config to send default values recognised by AMT (Marketflow)

Option # 1- High Level Impact Assessment

## # Option 1- Changes in PO config to send default values recognised by AMT

Solution Description : In order to play back the inbound file data including 'Space' to AMT, SAP PO changes are required to send default values accordingly. If Shipper does not send any value in the mandatory field, then SAP ISU will send outbound rejection file and SAP PO should send its default value to Marketflow. Marketflow does not need any changes and will recognize the value as space not blank.
Change Summary :
1.   SAP PO Outbound file message mapping changes

Impacted Systems

Impact

Gemini

Marketflow → SAP PO → SAP ISU → CMS

API ← SAP BW → DES
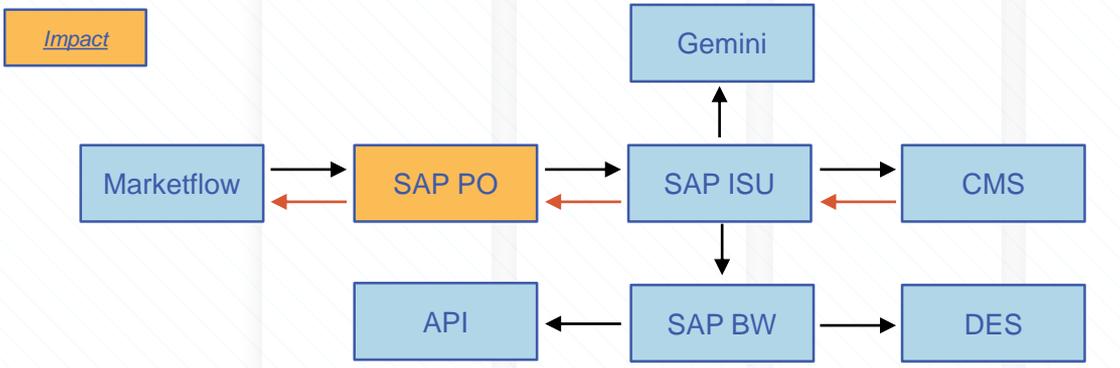
Assumptions

- PO Mapping changes are only required for mandatory text fields
- PO changes are only required for Outbound files
- Three files has been considered MSO, CTR and CFR

Overall Impact	Release Type	High Level Cost Estimate
Low	Minor	15,000 - 20,000 GBP

Option 1 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Forms	Workflow	Data Migration
System Component:		SAP PO					
Impacted Process Areas:		SPA					
Complexity Level (per RICEFW item):		Low					
Change Description:		Need to modify message mapping in PO					

	ISU	BW	PO / Marketflow	DES	CMS	AMT	API
Test Data Prep Complexity:	Medium		N/A			N/A	
Unit and Sys Test Complexity:	Low		Low			Low	
Pen Test Impact:	No		No			No	
Regression Testing Coverage:	Low		Low			Medium	
Performance Test Impact:	No		No			No	
Market Trials:	No		No			No	
UAT Complexity:	Low		Low			Medium	

Option 1 - Process Impact Assessment

| Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	Low	No	No	No	No	No
Metering (Reads)	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
Invoicing – Capacity	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
Invoicing – Amendment	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
Rolling AQ	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
RGMA	n/a	n/a	n/a	n/a	n/a	n/a
DSC Service	n/a	n/a	n/a	n/a	n/a	n/a
Other (Specify)	n/a	n/a	n/a	n/a	n/a	n/a

Option # 2- High Level Impact Assessment

Option 1- Changes in SAP ISU with no conversion and PO config to send default values recognised by AMT

Solution Description: Currently SAP does not show IDOC Inbound/Outbound data where a field is blank, changes will be made in SAP ISU to show mandatory text fields with blank values in IDOCS and SAP PO file message mapping changes are required to send default values to AMT. Marketflow does not need any changes and will recognize the value as space not blank.

Change Summary:
1. SAP PO Outbound file message mapping changes
2. SAP ISU Idoc display changes for both Inbound & Outbound files

Impacted Systems

Impact

```
Marketflow → SAP PO → SAP ISU → CMS
                         ↑
                       Gemini
SAP PO ← (red)
SAP ISU ← (red)
CMS ← (red)
API ← SAP BW → DES
SAP ISU ↓ SAP BW
```
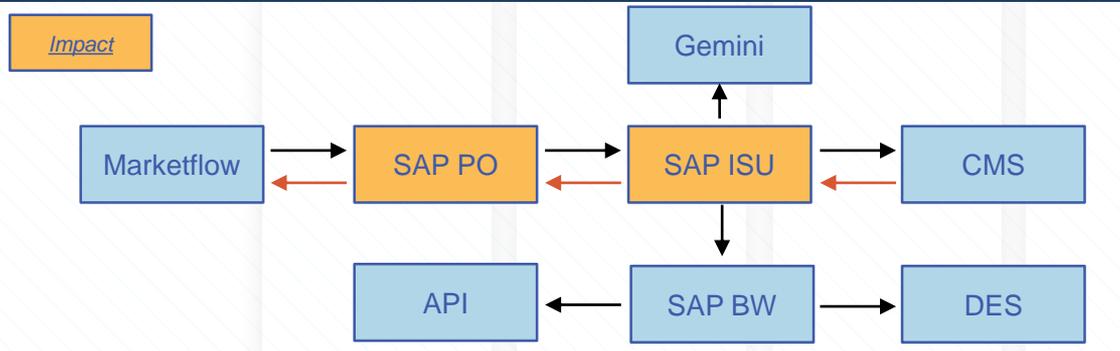
Assumptions

- PO Mapping changes are only required for mandatory fields
- PO changes are only required for Outbound rejection files
- SAP ISU Idoc display changes only required for mandatory text fields
- SAP ISU changes are required for both Inbound & Outbound and is one time change irrespective of any file type.

Overall Impact	Release Type	High Level Cost Estimate
Medium	Major	20,000 - 25,000 GBP

Option 2 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Forms	Workflow	Data Migration
System Component:		SAP ISU/SAP PO		SAP ISU			
Impacted Process Areas:		SPA		SPA			
Complexity Level (per RICEFW item):		Medium		Medium			
Change Description:		Need to modify message mapping in PO		Need enhancement in SAP ISU for Idoc display to show mandatory text fields with blank data.			

	ISU	BW	PO / Marketflow	DES	CMS	AMT	API
Test Data Prep Complexity:	Medium		N/A			N/A	
Unit and Sys Test Complexity:	Low		Low			Low	
Pen Test Impact:	No		No			No	
Regression Testing Coverage:	Low		Low			Medium	
Performance Test Impact:	No		No			No	
Market Trials:	No		No			No	
UAT Complexity:	Low		Low			Medium	

Option 2 - Process Impact Assessment

| Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	Medium	No	No	No	No	No
Metering (Reads)	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
Invoicing – Capacity	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
Invoicing – Amendment	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
Rolling AQ	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
RGMA	n/a	n/a	n/a	n/a	n/a	n/a
DSC Service	n/a	n/a	n/a	n/a	n/a	n/a
Other (Specify)	n/a	n/a	n/a	n/a	n/a	n/a

Summary

- ## Option 1
  - Cheapest Solution (Estimated 15k – 20k)
  - Minor Release which allows for a faster implementation timeframe
  - Does not impact SAP ISU
  - Less system traceability and consistency (mismatch between outbound files and IDOCS)

- ## Option 2
  - Higher Cost (Estimated 20k - 25k)
  - Major Release leading to a 12 month implementation (minimum)
  - Impacts to SAP ISU
  - Better technical solution as this allows mandatory text fields with blank values in IDOCS

- ## No Change
  - System to remain unchanged

- ## Sub-Option
  - Decision required to either implement this change for just the three known affected files or for all files that may be affected going forward *(60-70k depending on total number of files)*

4. Changes in Detailed Design

4a. Design Considerations

- None for this meeting
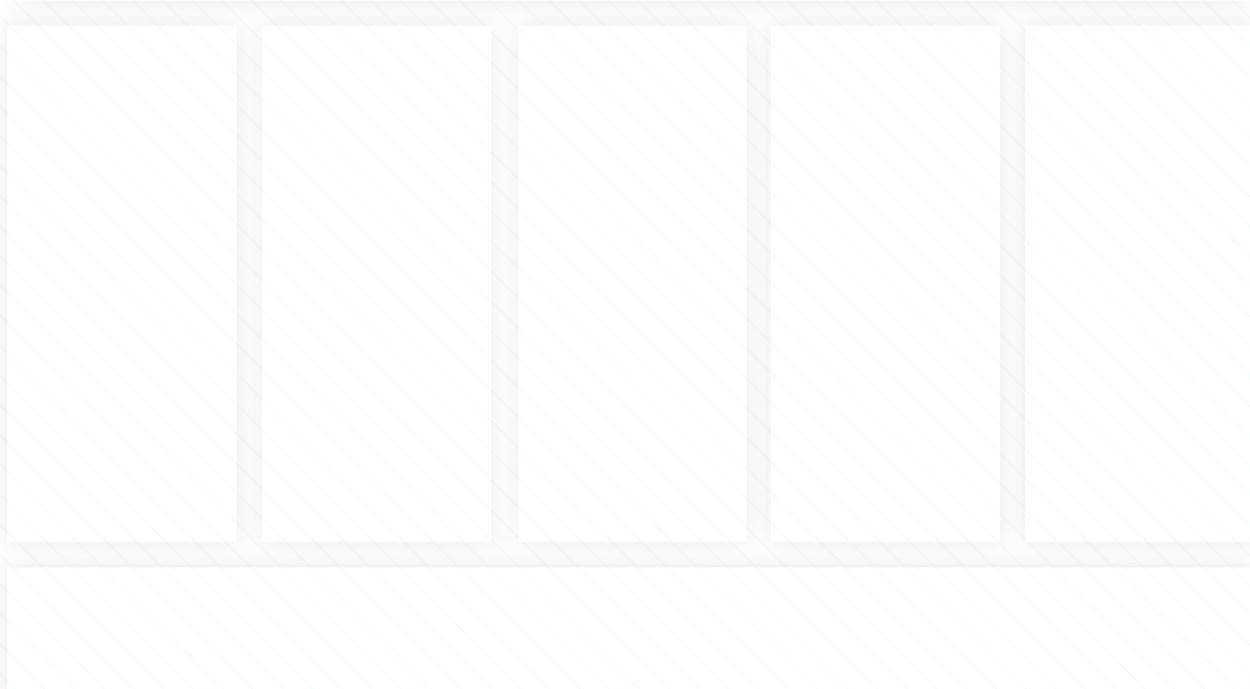
4b. Requirements Clarification

- None for this meeting
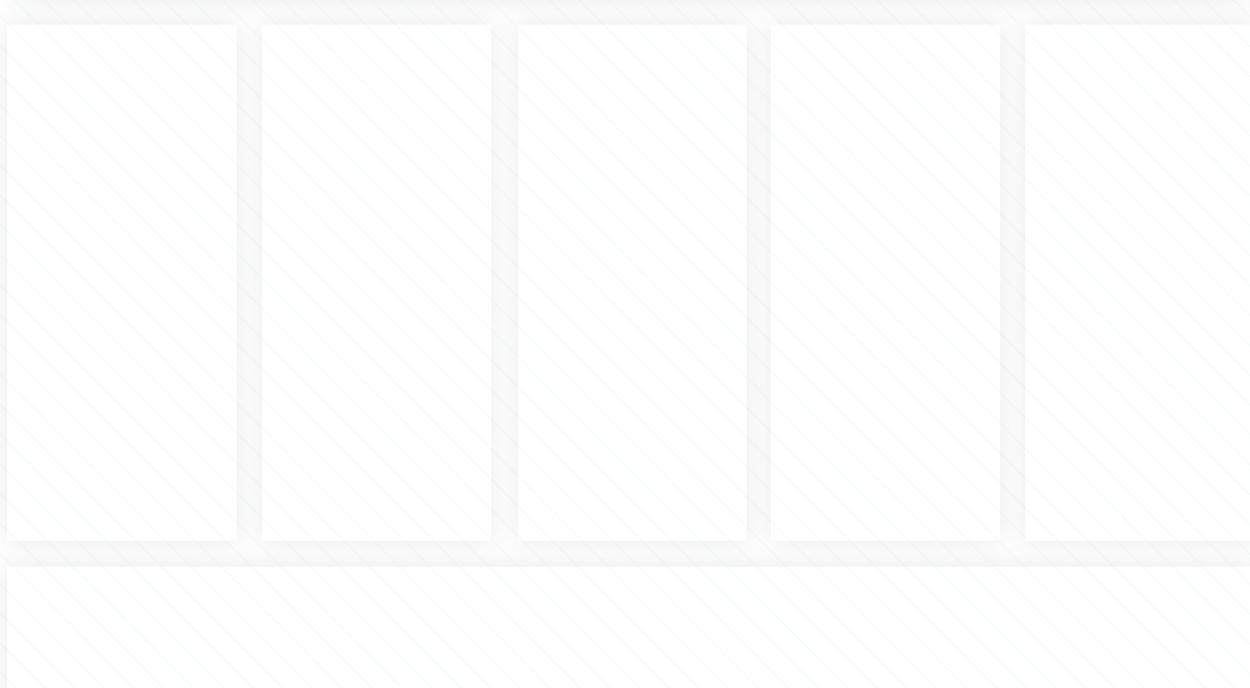
5. Major Release Update

5. Major Release Update

- 5a. June 2020

- 5b. XRN4914 - MOD 0651- Retrospective Data Update Provision

- 5c. November 2019
  - 5c.i. - XRN4621 – Suspension of the Validation between Meter Index and Unconverted Converter Index

5a. XRN4996 - June 20 Release - Status Update

- Awaiting content
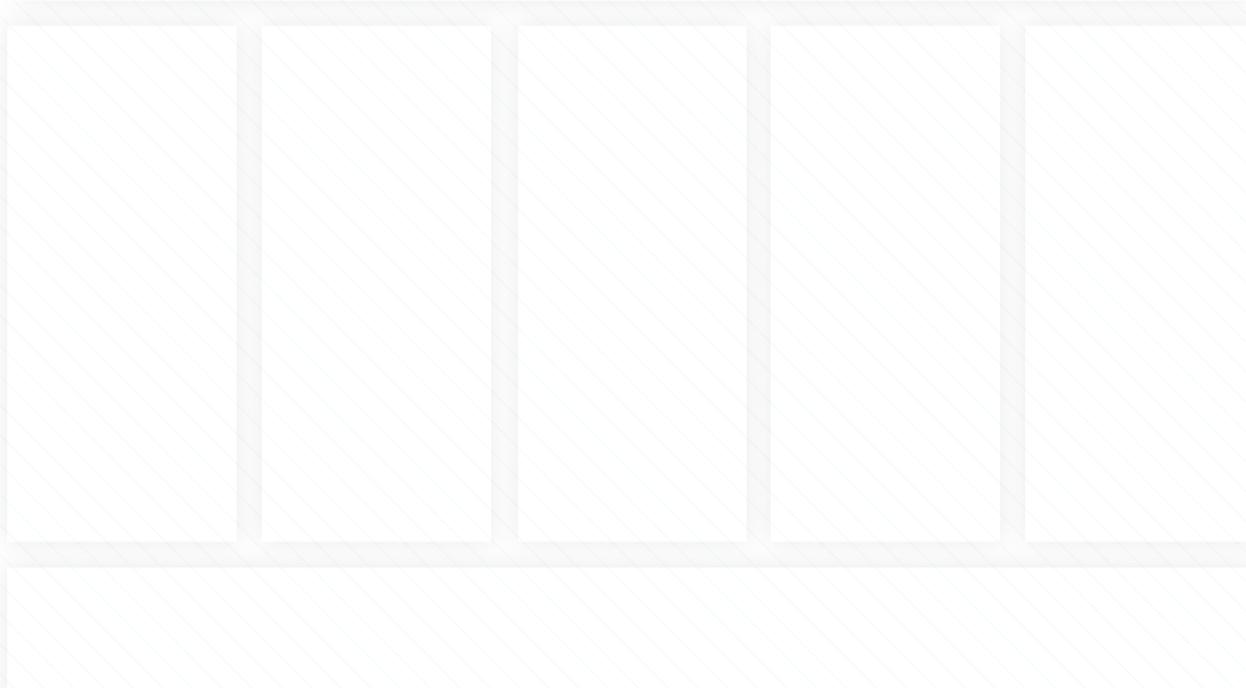
9b. XRN4914 MOD 0651- Retrospective Data Update Provision

DSG – 18th November 2019

4b. XRN4914 MOD 0651- Retrospective Data Update Provision – Proof of Concept Progress update

- Awaiting content
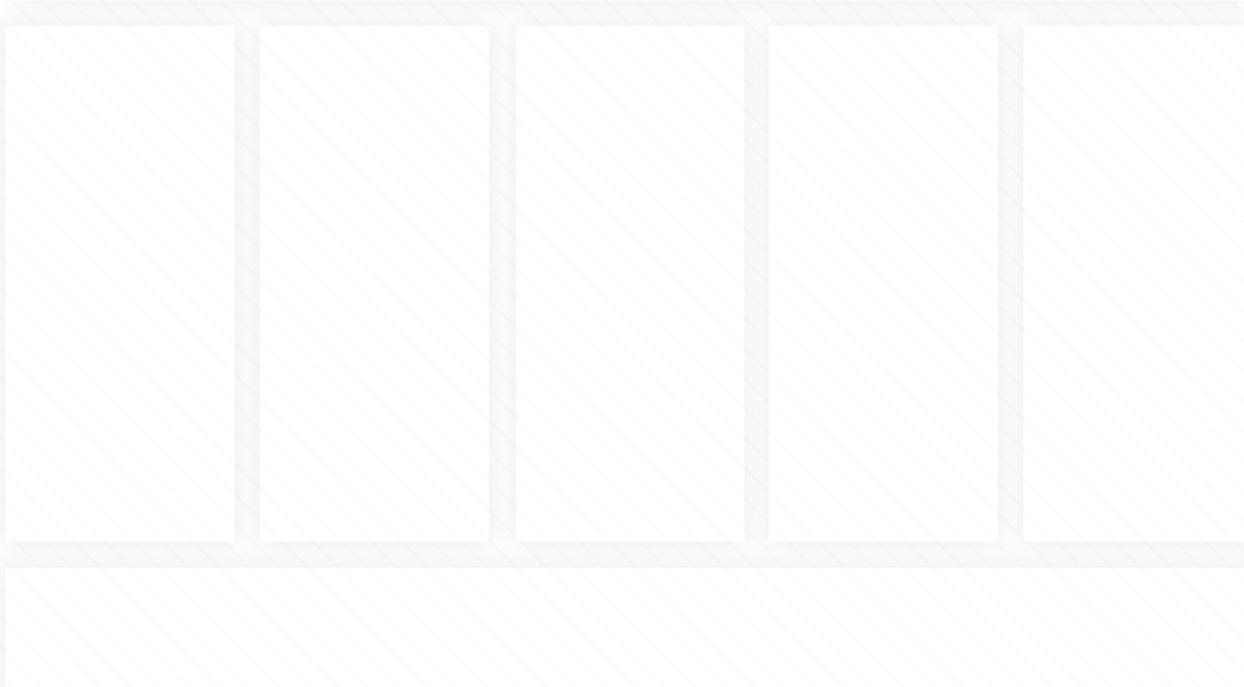
5c. XRN4828 - Nov 19 Release

5c. XRN4828 - Nov 19 Release

5c.i. - XRN4621 – Suspension of the Validation between Meter Index and Unconverted Converter Index
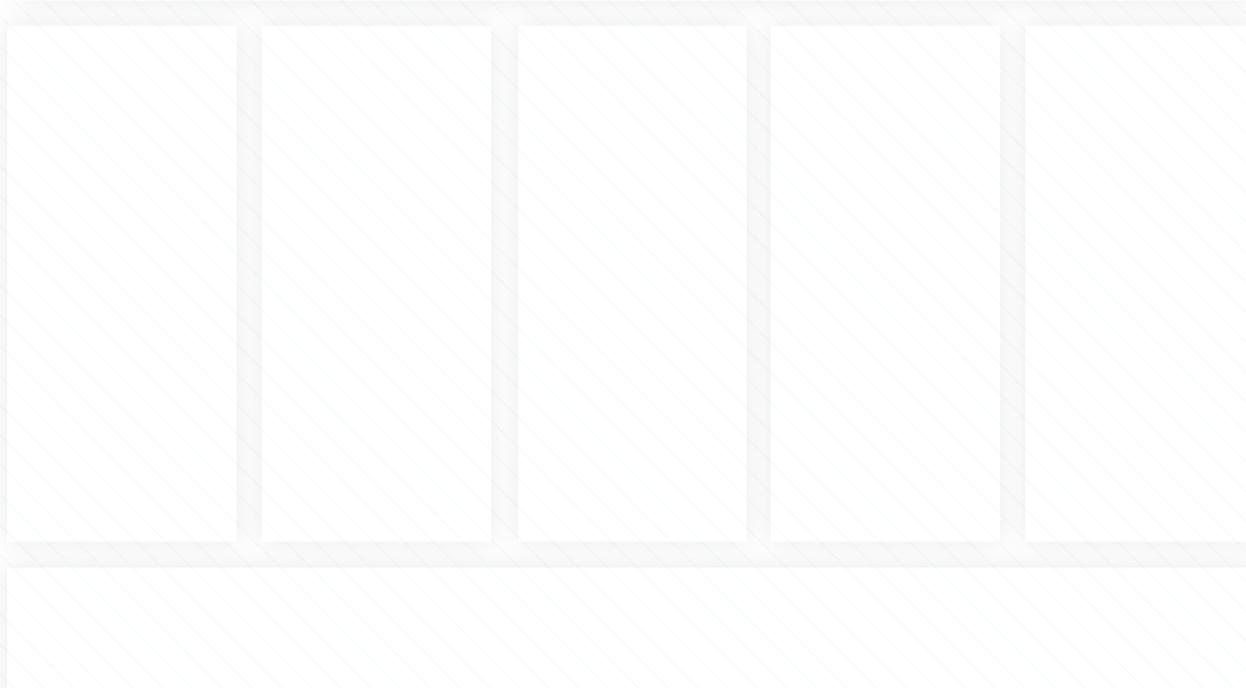
5c.i. - XRN4621 – Suspension of the Validation between Meter Index and Unconverted Converter Index

- Awaiting content

6. DSG Defect Summary

Defect Summary Stats

Stats as per HPQC extract taken on Wednesday 27th November 2019 10am

Defect Landscape (Open/Closed vrs PGL/New)

	PGL Defects						Newly Discovered Defects							GRAND RELEASE TOTALS
	D1	D2	D3	D4	D5	TOTAL	D1	D2	D3	D4	D5	Not Set	TOTAL	
Urgent Fix (D1/D2)	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Amendment Invoice Task Force	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R5.01	0	0	0	0	0	0	0	0	0	13	1	0	14	14
On Hold	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Requires CR	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Release Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Release Dependent	0	0	0	0	0	0	0	0	1	6	0	0	7	7
Currently Unallocated	0	0	0	0	0	0	0	0	2	27	0	0	29	29
TOTAL OPEN	0	0	0	0	0	0	0	0	3	49	1	0	53	**53**
Closed as Rejected	0	0	3	14	7	24	0	11	51	54	1	3	120	144
Closed as CR	0	0	3	8	0	11	0	0	11	7	0	0	18	29
Closed - Deployed to Production	0	7	28	59	9	103	9	215	517	315	16	10	1082	1185
Fix Deployed - Pending Data Correction	0	0	0	0	0	0	0	0	4	6	0	0	10	10
TOTAL CLOSED	0	7	34	81	16	138	9	226	583	382	17	13	1230	**1368**
GRAND TOTAL	0	7	31	73	16	138	9	226	571	418	18	13	1283	**1421**

R4.11b & R5.01a

The below fixes were all deployed to production on the 15th 22nd of November (Inclusive of Amendment Invoice Impacting Defects)

Defect ID	Status	Description	Release	Deployed/closed on:	Amendment Invoice Impacting
1435	Closed - Deployed to Production	SAP - Convertor Install with Meter Report incorrectly creating exception	R5.01	22/11/2019	No
1454	Closed - Deployed to Production	SAP AQ- WC calculation process backstop date to be included in WC period calculation	R5.01	22/11/2019	No
1456	Closed - Deployed to Production	SAP: Inactive meter with nominations on Gemini	R5.01	22/11/2019	No
1470	Closed - Deployed to Production	SAP - DM Bill Order Job	R5.01	22/11/2019	No
1473	Closed - Deployed to Production	Retrospective Contact Action Code Updates not correctly sent in Portfolio Files	R5.01	22/11/2019	No
1481	Closed - Deployed to Production	SAP BW Exchange reads are not being displayed in DES	R4.11	15/11/2019	No

Release 5.01b is scheduled for the 29th of November, and Release 5.02a is scheduled for the 6th of December

Note: We are still planning a fortnightly release deployment. However if fixes are ready in the interim, we may deploy in between releases. This is why you may see "a" and "b" suffixes in the release names.

Urgent Fixes

There were no urgent fixes deployed since the last slides were issued.
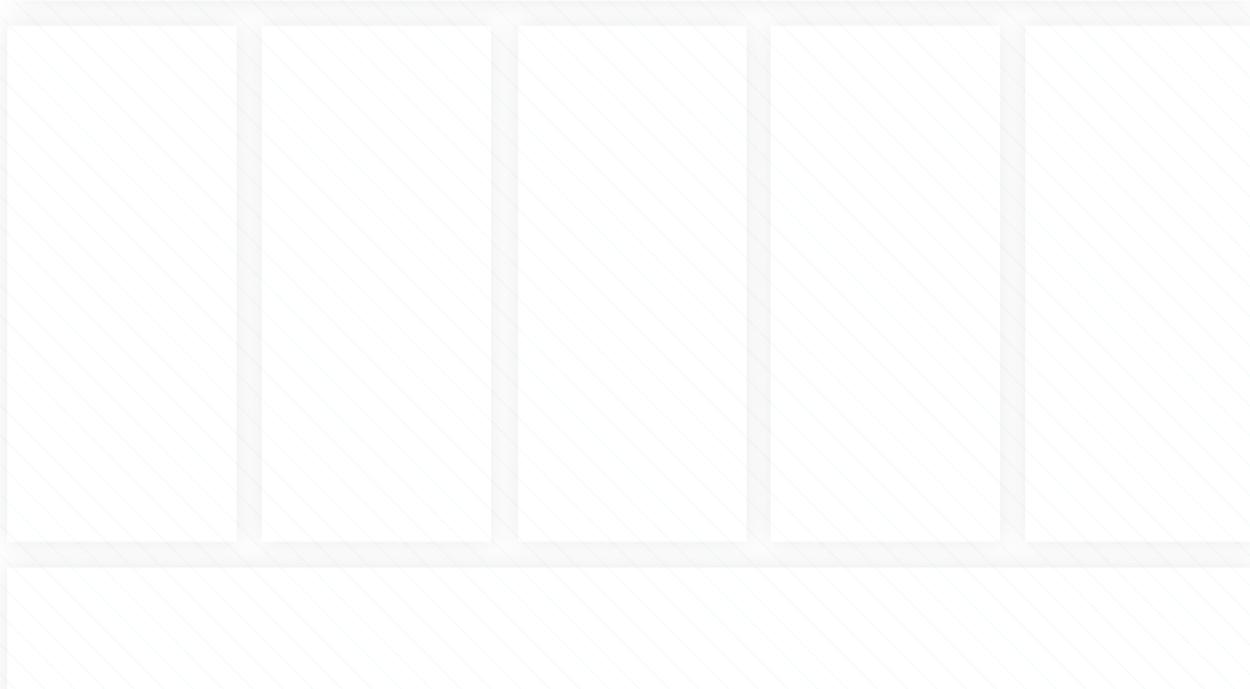
Amendment Invoice Impacting Defects - Open

Defect ID	Status	Primary Business Process	Description
1333	Under Analysis	READS	DM REC financial mismatches in Amendment supporting file
1429	Ready For Assurance	READS	RGMA activity has performed both class 3 normal rec and Check to Check reconciliation. This should have ideally triggered only Check to Check rec since DRE or AMR are registered.
1449	UAT Execution	RGMA	RGMA activity received in a class 4 period post class change from class 2 to class 4 calculates incorrect volume.
1453	Business Decision Required	INV	SAP - ASP RCA May-19
1458	UAT Execution	READS	Issue with class 3 read upload process - Non-opening read is inserted between two reads through UBR process and next read has a TTZ of 1, volume is calculated incorrectly through UBR process
1462	Ready For Assurance	INV	Differences between the total of the K90 lines in the ASP File and the K92 lines in the AML
1463	Retest Failed	READS	Incorrect volume calculation for class 3 sites between class change date and first cyclic read received post class change to class 3 - Linked to Defect 1146
1477	UAT Execution	READS	Incorrect variance Energy created after NDM prime reconciliation and net off volume and energy getting populated with 0
1486	UAT Execution	READS	Incorrect volume calculated by NDM estimation process when RGMA is received between D+6 to D+10, if the new read is going round the clock
1495	DRS Needed	RGMA	Class 3 - Incorrect volume calculation when class change read is estimated with TTZ1

6a. Rejection Code Reword - Defect 1492

DSG 2nd December 2019

Background and Scenario

- Defect 1492 was found in September 2019 to look at an issue with regards to the processing of two Shipper submitted Winter Consumption Correction requests for the same MPRN
- Where this occurred, UK Link is trying to accept both requests but only the first request was being formally accepted and updated
- When trying to update the second request, an exception was generated due to the duplicate entries
- This scenario already happens for standard AQ Corrections, with rejection code AQI0003 "Outstanding AQ correction request already exist" being sent to the submitting Shipper
- Defect 1492 has been fixed to emulate the standard AQ Correction process to reject the second requested with a rejection code of AQI0003

DSG Action

- However, following on from Defect 1492 fix, it is being proposed to update the existing description for rejection code AQI00003 to incorporate a reference to Winter Consumption to provide additional clarity

- AQI00003 currently states "Outstanding AQ correction request already exist"

- We propose that this is updated to "Outstanding AQ/WC correction request already exists"

- This will involve a change to the Shipper Rejection Code document so are proposing to issue a Change Pack in December-2020 outlining the changes for an implementation date in line with February-2020 release

- Do DSG feel this is the correct approach?

7. Portfolio Delivery

Portfolio Delivery

- 7a. Portfolio Delivery Overview POAP
- 7b. Retail and Network Delivery Overview
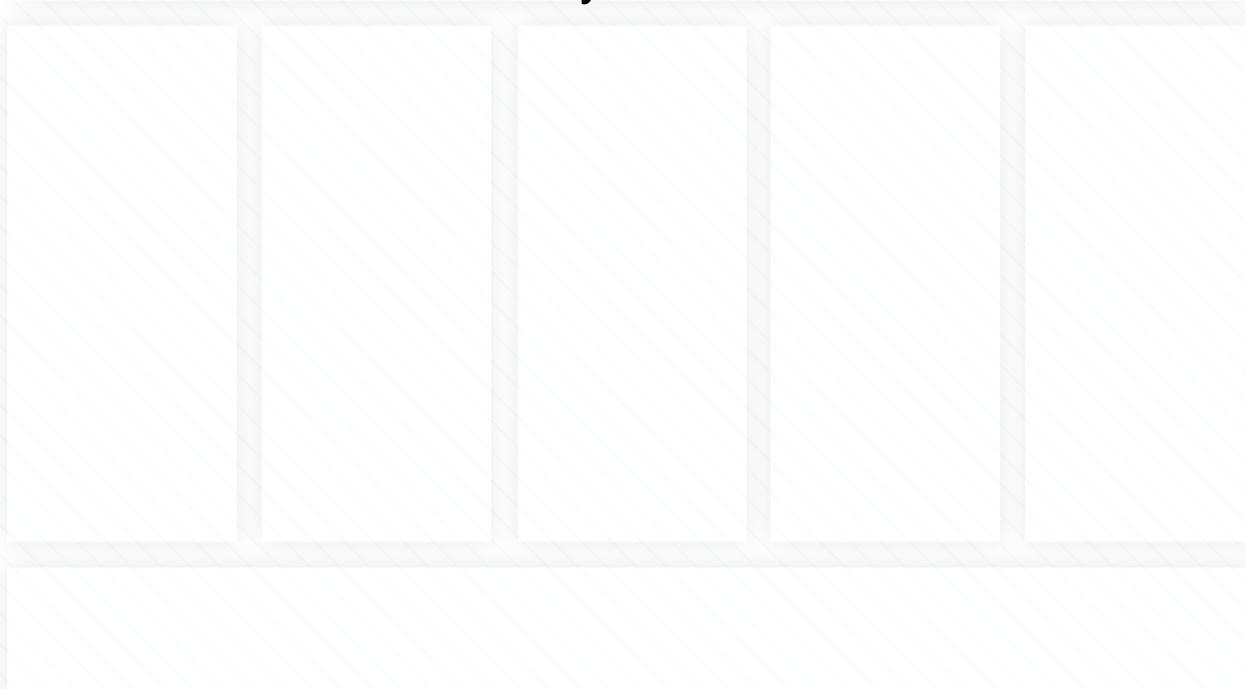
7a. Portfolio Delivery Overview POAP

- The POAP is available here
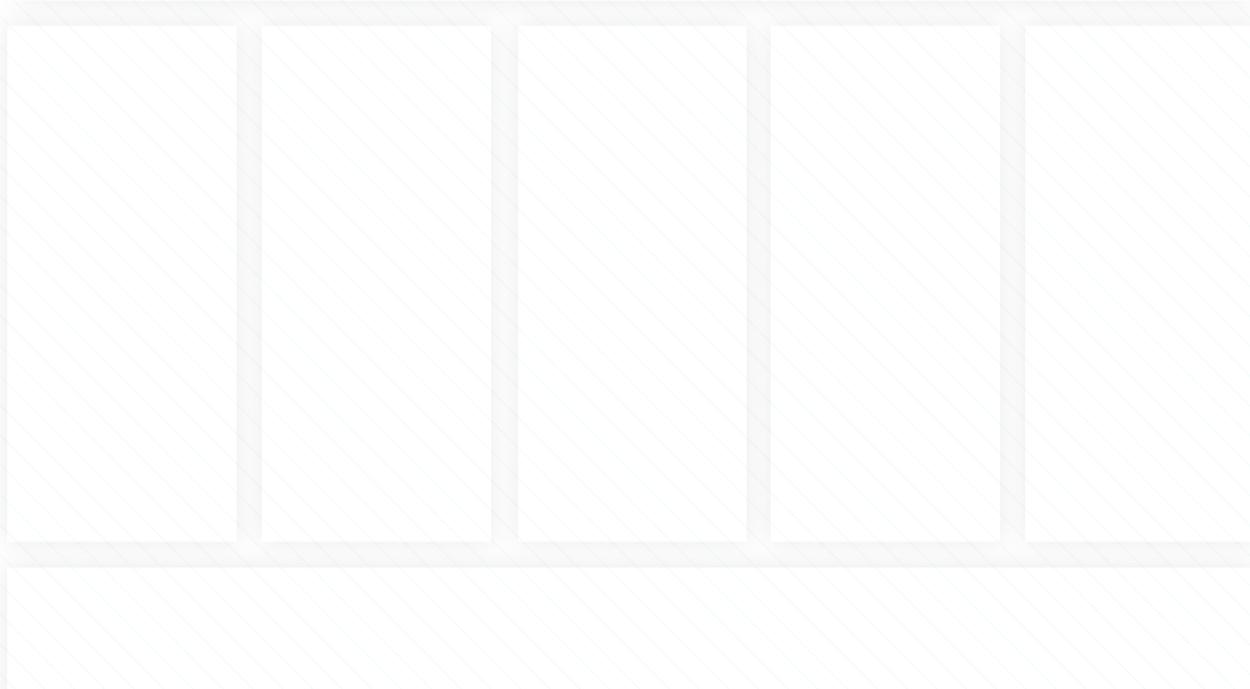
7b. Retail and Network Delivery Overview

7b. Retail and Network Delivery Overview

- Awaiting content