DSC Delivery Sub-Group

7th October 2019

Agenda (1)

Item	Title	Document Ref	Lead	Action Required From DSG
1.	Welcome and Introductions	Verbal	Chair	Introduce yourself
2.	Meeting Minutes	Verbal	Chair	Approval of the meeting minutes for the previous meeting
3a.	Defect Summary	Slides	Mark Tullett	None – For Information and Discussion
3b.	Issue Management	Verbal	Megan Laki/ Eamonn Darcy	Standing agenda item – for information (If there is an update)
4.	Portfolio Delivery			
4a.	Portfolio Delivery Overview POAP	POAP published on Xoserve.com		Standing agenda item – for information (if there is an update)
4b.	Retail and Network Delivery Overview	Slides	Richard Hadfield/Julie Bretherton	Standing agenda item – for information (if there is an update)
4c.	Data Delivery Overview	Slides	Jane Goodes	Standing agenda item – for information (if there is an update)
5.	Major Release Update			
5a.	June 19/20	Slides	Simon Burton / Surfaraz Tambe	Standing agenda item – for information (if there is an update)
5b.	EUC Update	Slides	Matt Rider	Standing agenda item – for information (if there is an update)
5c.	November 19	Slides	Tom Lineham	Standing agenda item – for information (if there is an update)
5d.	Minor Release Drop 5	Slides	Bali Bahia	Standing agenda item – for information (if there is an update)
5e.	XRN4991 MOD 0700 - Enabling large scale utilisation of Class 3	Slides	Tom Lineham	Standing agenda item – for information (if there is an update)
5f.	XRN4914 - MOD 0651- Retrospective Data Update Provision	Slides	Tracy O'Connor	Standing agenda item – for information (if there is an update)

Agenda (2)

Item	Title	Document Ref	Lead	Action Required From DSG
6.	New Change Proposal - For Ratification of the Prioritisation Scores None for this meeting			
7.	Change Proposal Initial View Representations None for this meeting			
8.	**Undergoing Solution Options Impact Assessment Review**			
8a.	XRN4992 – Modification 0687 – Creation of new charge to recover last Resort Supply Payments			
9.	Solution Options Impact Assessment Review Completed - **None for this meeting**			
10.	Miscellaneous			
10a.	Report Review Update	Verbal	Charlie Haley	For information and discussion
11.	JMDG Update	Slides	Simon Harris	None – For Information Only as no change
12.	Action Updates	Action log published on Xoserve.com	All	Updates required on DSG owned actions (see below)
13.	AOB	Slides	Various	TBC
13a.	XRN4980 – Change Supply Point Enquiry API to add in extra field and make certain other fields visible.	Verbal	Jane Goodes	For information
13b.	XRN4897 – Deletion of customer contact details XRN4899 – PSR data at the change of Shipper and Supplier events	Slides	Richard Johnson	For information
13c.	XRN4932 - Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S	Slides	Simon Harris/ Chan Singh	For design clarification

3. Defect Update

3a. DSG Defect Summary

Defect Summary Stats

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	0	0	0	0	0
Amendment Invoice Task Force	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R4.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R4.08	0	0	0	0	0	0	0	0	0	7	0	0	7	7
On Hold	0	0	0	0	0	0	0	0	0	1	0	0	1	1
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	0	0	0	0	0	0
Currently Unallocated	0	0	0	0	0	0	0	0	5	32	2	0	39	39
TOTAL OPEN	0	0	0	0	0	0	0	0	5	41	2	0	48	48
Closed as Rejected	0	0	3	14	7	24	0	11	51	54	1	4	121	145
Closed as CR	0	0	3	8	0	11	0	0	11	6	0	0	17	28
Closed - Deployed to Production	0	7	28	59	9	103	9	213	512	296	15	10	1055	1158
Fix Deployed - Pending Data Correction	0	0	0	0	0	0	0	2	6	7	0	0	15	15
TOTAL CLOSED	0	7	34	81	16	138	9	226	580	363	16	14	1208	1346
GRAND TOTAL	0	7	31	73	16	138	9	224	568	391	18	14	1256	1394

R4.08

The below fixes were all deployed to production on 27th September (Inclusive of Amendment Invoice Impacting Defects)

Defect ID	Status	Description	Release	Deployed/closed on:	Amendment Invoice Impacting
1406	Closed - Deployed to Production	SAP - Inconsistency between the DRS file corrector reads and the system corrector reads for Cosmetic Corrector Exchange	R4.08a	27/09/2019	No
1416	Closed - Deployed to Production	SAP- ASP mismatches - Incorrect message is populated in ASP Error Log table	R4.08a	27/09/2019	Yes
1422	Closed - Deployed to Production	SAP - IDL file issue - EMR details to be populated in IDL file	R4.08a	27/09/2019	No
1395	Closed - Deployed to Production	Meter Reading is inactive in the production system	Amendment Invoice Taskforce	27/09/2019	Yes
1431	Closed as Rejected	SAP - ASP Mismatch on Pre go-live variance	Currently Unallocated	26/09/2019	Yes

Release 4.08b is scheduled for 4th October and Release 4.09a is scheduled for the 11th October

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

The below fixes were all deployed as urgent.

Defect ID	Status	Description	Release	Deployed On:	Amendment Invoice Impacting
1441	Closed - Deployed to Production	SAP_BW - Report ID 1254 Performance Assurance Committee - data does not match to Shipper pack reports	Urgent fix (D1/D2)	11/09/2019	No
1461	Closed - Deployed to Production	SAP AQ- WC validation process not rejecting MPRNs where AQ value is less than WC value.	Urgent fix (D1/D2)	20/09/2019	No

Amendment Invoice Impacting Defects - Open

Defect ID	Status	Primary Business Process	Description
1333	Ready for Internal Testing	READS	DM REC financial mismatches in Amendment supporting file
1415	Phased Assurance	READS	SAP - Actual Reads uploaded through the manual Read entry screen has resulted in zero consumption
1428	Awaiting CAB	READS	MR15 exception not genereting for negavite variance volume
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	DRS Needed	RGMA	RGMA process has calculated incorrect volume and energy for activity post class change for class 4 sites with meter and corrector
1453	Assigned	INV	SAP - ASP RCA May-19
1458	DRS Needed	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	Assigned	INV	SAP - differences between the total of the K90 lines in the ASP file and the K92 lines in the AML
1463	Assigned	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

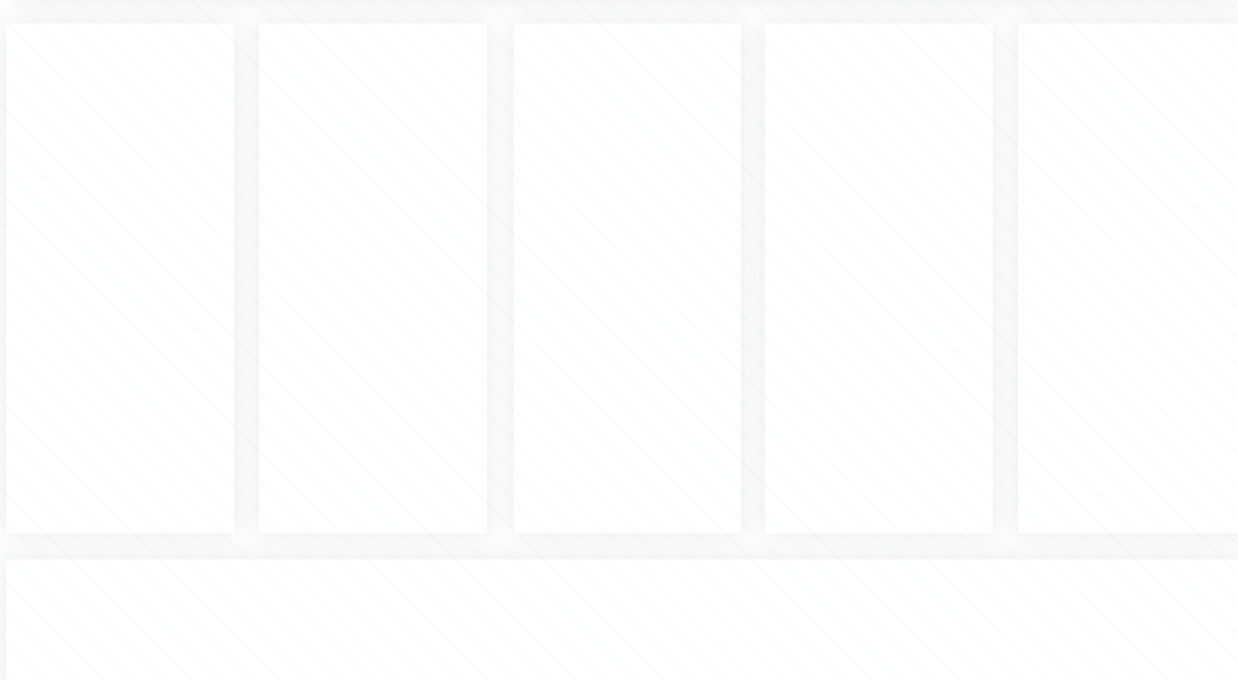# 3b. Issue Management

Verbal update

4. Portfolio Delivery

Portfolio Delivery

- 4a. Portfolio Delivery Overview POAP
- 4b. Retail and Network Delivery Overview
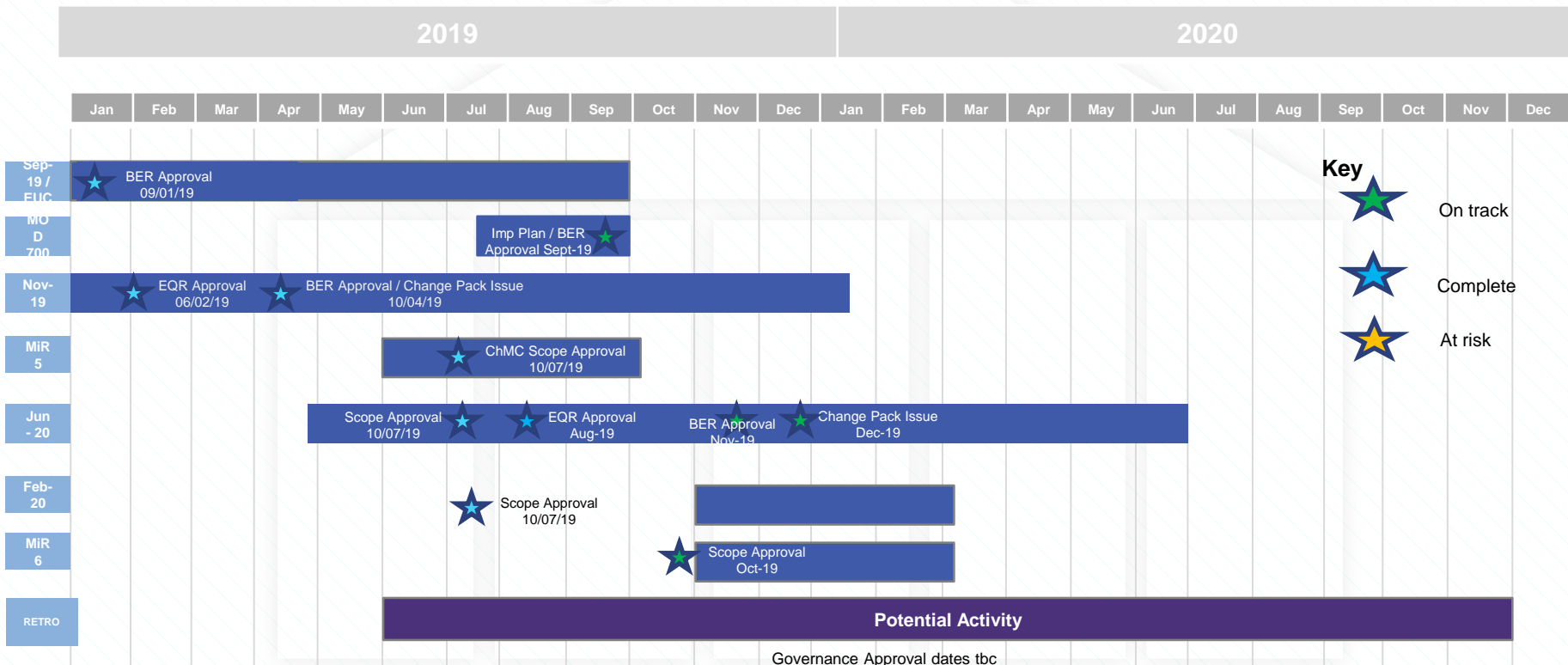- 4c. Data Delivery Overview

4a. Portfolio Delivery Overview POAP

- The POAP is available [here](#).

4b. Retail and Network Delivery Overview

2019 / 2020 UK Link Governance Timeline

- **Assumes RETRO will be Nov 2020 Major Release Delivery**
- **Please note that this includes potential activity within UK Link over the next 24 months**

Change Index – UK Link Allocated Change

Proposed Release	XRN	Change Title	Current Status	UK Link Release	Complexity	Finance
MiR 5	4871 (A)	Modification 0665 - Changes to Ratchet Regime	In PIS	MiR 5	Low / Medium	*Shippers / DNs*
Sept 19	4376	GB Charging & Incremental (IP PARCA) Capacity Allocation Change Delivery (2019)	In PIS	September 2019	High	*NTS*
	4665	Creation of new End User Categories (EUC)	In PIS	June/Sep-2019	High	*Shippers*
Mod 700	4991	Enabling large scale utilisation of Class 3 - Mod 700	In PIS	September 2019	High	*Xoserve*
Nov-19	4679	Requiring a Meter Reading following a change of Local Distribution Zone or Exit Zone	In Delivery	November 2019	Medium	*Xoserve*
	4725	New read reason type for LIS estimate readings	In Delivery	November 2019	Medium	*Xoserve*
	4621	Suspension of the validation between meter index and unconverted index	In Delivery	November 2019	High	*Shipper*
	4866	UIG Recommendation – removal of validation on uncorrected read	In Delivery	November 2019	Low	*Shipper*
Feb-20	4955	Amendments of MDD PSR needs code descriptions	In Delivery	February - 2020	Low	*Shippers / GT/IGTs*
Jun-20	4865	Amendment to Treatment and Reporting of CYCL Reads	In Delivery	June-2020	Low	*Shippers / DNO*
	4691	CSEPs: IGT and GT File Formats (CGI Files)	In Delivery	June-2020	Medium	*DNs / IGTs*
	4692	CSEPs: IGT and GT File Formats (CIN Files)	In Delivery	June-2020	Medium	*DNs / IGTs*
	4772	Composite Weather Variable (CWV) Improvements	In Delivery	June-2020	Medium	*Shippers / DNO*
	4780 – B	Inclusion of Meter Asset Provider Identity (MAP Id) in the UK Link system (CSS Consequential Change)	In Project Delivery – Awaiting Solution option Approval	June-2020	Medium	*Shippers*
	4930	Requirement to Inform Shipper of Meter Link Code Change	In Delivery	June-2020	Low	*Shippers*
	4932	Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S)	In Delivery	June-2020	Medium	*Shippers / DNO*
	4850	Notification of Customer Contact Details to Transporters	In Delivery	June-2020	Medium	*IGTs / DNO*
	4871 – B	Modification 0665 – Changes to Ratchet Regime	In Delivery	June-2020	Medium	*DNO*
	4888	Removing Duplicate Address Update Validation for IGT Supply Meter Points via Contact Management Service (CMS)	In Delivery	June-2020	Low	*IGTs*
	4941	Auto updates to meter read frequency (MOD0692)	In Project Delivery - awaiting MOD approval	June-2020	Medium	*Shippers*
CSSC	4627	Consequential Central Switching Services	In Delivery	2021	High	*Shippers*

Change Index – UK Link Unallocated External Impacting Changes

XRN	Change Title	Current Status	Indicative R&N Release	Complexity
4851	Moving Market Participant Ownership from SPAA to UNC/DSC (Documentation)	CP in Capture	Feb-2020	TBC
4645	The rejection of incrementing reads submitted for an Isolated Supply Meter Point (RGMA flows)	CP in Capture	Major Release	TBC
4801	Additional information to be made viewable on DES	HLSO in Review	Major Release	TBC
4896	Failure to Supply Gas System and Template Amendment	CP in Capture	Major Release	TBC
4923	AQ Calculation for RGMA (ONUPD) Estimate Reads	CP in Capture	Major Release	TBC
4931	Submission of Space in Mandatory Data on Multiple SPA Files	CP in Capture	Major Release	TBC
4978	Notification of Rolling AQ value (following transfer of ownership between M5 and M)	CP in Capture	Major Release	TBC
4990	Transfer of sites with Low Read Submission Performance from Class 2 and 3 into Class 4 (Mod 664)	CP in Capture	Major Release	TBC
4992	Creation of new change type to recover last resort supply payment (Mod 0687)	CP in Capture	Major Release	TBC
4914	Mod 651 - Retrospective Data Update Provisions	Solution Approval	Major Release 2020	TBC
4716	Increased Field Length – 'Updated by' data item	HLSO in Review	Minor Release	Medium
4854	Transfer of NDM sampling obligations from Distribution Network Operators to the CDSP	In Capture	Unallocated	TBC

UK Link Forecast

KEY

tbc
Feb 2020
Major Release
Retro 2020
Minor Release
Unallocated

4c. Data Delivery Overview

Update on current Data Office change pipeline

Customer Impacting Data Changes: XRNs

Capture

**Estimated Delivery

Delivery

Change can be moved

Delivery dates cannot be moved

**Estimated delivery dates will be confirmed on completion of Capture and align to the chosen solution.

Change Proposals	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 19	Comments
4738: Shipper portfolio update of proposed Formula Year AQ/SOQ							
4859: Increasing MAM Access to CDSP Data to Mitigate Reduced MAM Appointment Timescales							
4824: National Grid Transmission Daily Gemini Report							Awaiting Customer Sign off
4860: National 'Temporary' UIG Monitoring							
4946: Reporting on Installed Meters with Conversion Capability							
4795: Amendments to the PARR (520a) reporting							
4779: UNC Modification 0657S - Adding AQ reporting to the PARR							

Data Changes: XRNs

Change Proposals	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Comments
4789: Updating Shipper Reporting Packs and glossary			▭		▭	▭	Will remain in delivery until all requirements fulfilled through DDP drops
4980: Change Supply Point Enquiry API to add in extra field and make certain other fields visible.			▭	▭			BER Approval requested in October ChMC
4713: Actual read following estimated transfer read calculating AQ of	➤		▭	▭			

5. Major Release Update

- 5a. June 2020

- 5b. End User Categories 19

- 5c. November 2019

- 5d. Minor Release Drop 5

- 5e. XRN4991 MOD 0700 - Enabling large scale utilisation of Class 3

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

5a. XRN4996 - June 20 Release - Status Update

7th October 2019	Overall Project RAG Status: 🟢			
	Schedule	**Risks and Issues**	**Cost**	Resources
RAG Status	🟢	🟢	🟢	🟡
Status Justification				
Schedule	• **Plan:** Following the completion of Detailed Design Phase, the June 20 implementation date will be proposed to ChMC for approval. • **Design**: Design workshops are continuing. • **Change Packs**: Aiming to deliver the change packs to ChMC in November for approval in December.			
Risks and Issues	• **Risk** – There is a risk that due to multiple deliveries running in parallel there may be limited access to resources.			
Cost	• BER for full delivery to be presented to ChMC in November 19			
Resources	• Full project mobilisation completed following appointment of TCS as preferred supplier. • Weekly monitoring of Xoserve SME resources supporting multiple demands (e.g. BAU defects, Future Releases etc) is ongoing			

XRN4996 - June 20 Market Trials

Is Market Trials Required for June 20, is there an appetite for you to participate in this type of testing? Options under consideration:

a) Full MT for applicable changes
b) Xoserve to share testing summary from UAT/RT phases
c) No MT

Project team is currently assessing the duration, feasibility within planned timescales and cost of option A.

We are aiming to present further details of options A & B if you wish to consider these options, which will include dates for the testing phase, duration and cost, at November ChMC.

XRN4996 - June 20 Release Timelines

Key Milestone Dates:

- **Capture completion – 19/09/19**
- **Design Completion – 29/11/19**
- **Build & Unit Test Completion – 31/01/20 (provisional)**
- **System & UAT Completion – 24/04/20 (provisional)**
- **Regression Test Completion – 29/05/20 (provisional)**
- **Implementation – 21/06/20 (provisional)**
- **PIS Completion – 25/09/20 (provisional)**

	2019					2020								
	September	October	November	December	January	February	March	April	May	June	July	August	September	October
Jun-20	Design			Build & UT		Testing				Implementation	PIS			Closedown

June 20 Release Summary

June 20 Release consists of 11 changes, Implementation is planned for June 2020:

- **XRN4691** - CSEPs: IGT and GT File Formats (CGI Files)
- **XRN4692** - CSEPs: IGT and GT File Formats (CIN Files)
- **XRN4772** - Composite Weather Variable (CWV) Improvements
- **XRN4780 (B)*** - Inclusion of Meter Asset Provider Identity (MAP Id) in the UK Link system (CSS Consequential Change)
- **XRN4850** - Notification of Customer Contact Details to Transporters
- **XRN4865** - Amendment to Treatment and Reporting of CYCL Reads
- **XRN4871 (B)** - Changes to Ratchet Regime (MOD0665)
- **XRN4888** - Removing Duplicate Address Update Validation for IGT Supply Meter Points via Contact Management Service (CMS)
- **XRN4830** – Requirement to Inform Shipper of Meter Link Code Change
- **XRN4941*** - Auto updates to meter read frequency (MOD0692)
- **XRN4932** - Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S)

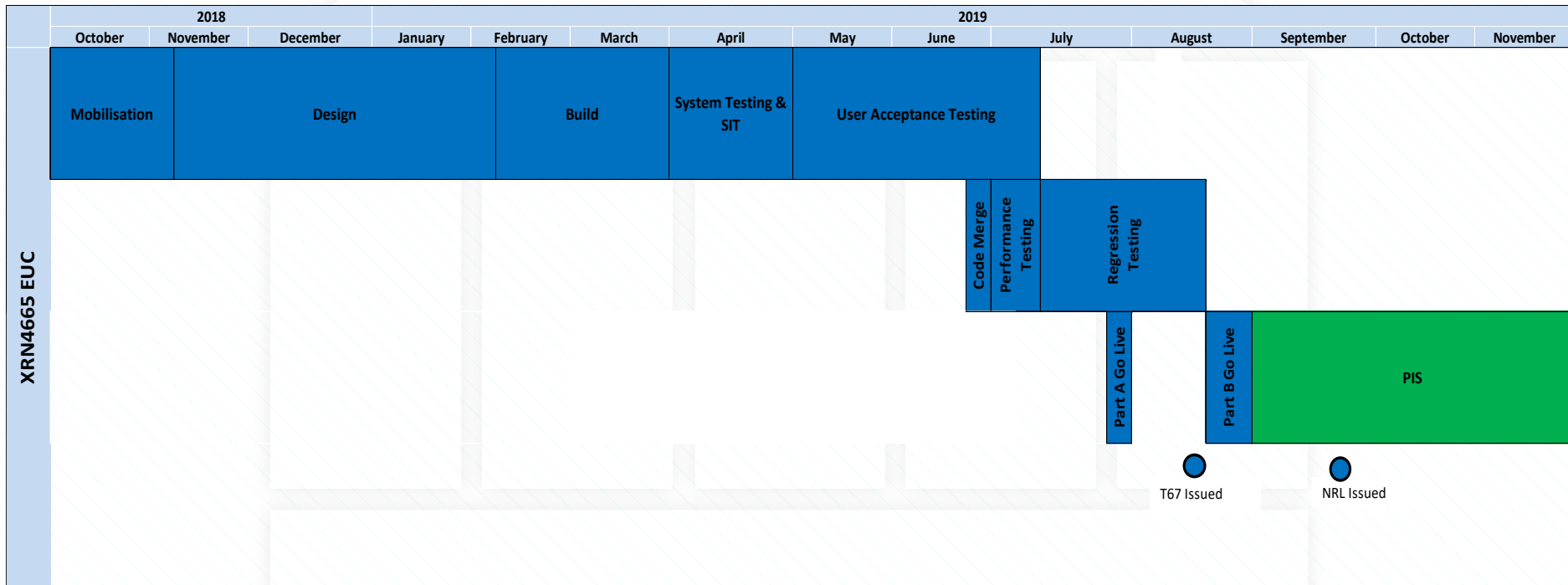* Pending Solution/MOD approval by ChMC/DSG for remaining 2 CRs.

5b. XRN4665 – EUC Release

07/10/19	Overall Project RAG Status: 🟢			
	Schedule	**Risks and Issues**	**Cost**	**Resources**
RAG Status	🟢	🟢	🟢	🟢
Status Justification				

Schedule	• **Post Implementation Support (PIS)**
	    • PIS activities (including First Usage monitoring) continue to be successfully monitored as per plan
	    • Key activities completed with evidence provided and assured include;
	        • Rolling AQ job for September
	        • Annual EUC Assignment job
	        • CNF/CFR files successfully validated for pre-gas year run. These will be validated again after October 1st
	        • NRL/NNL files job run completed
	        • AQI Correction file successfully run containing new EUC bands			

Risks and Issues	• No key Risks or Issues open that impact the continuation of Post Implementation Support activities for the EUC release			
Cost	• Project delivery costs are tracking to approved internal budgets (Revised BER to include Financial Risk margin approved at ChMC on 10/07/19)			
Resources	• Weekly monitoring of SME resources supporting multiple demands (e.g. BAU defects, Future Releases etc) is ongoing			

XRN 4665 - EUC Release Timelines

Key Milestone Dates:
- PIS & First Usage monitoring activities commenced as per plan

5c. XRN4828 - Nov 19 Release - Status Update

07/10/19	Overall Project RAG Status: 🟠			
	Schedule	**Risks and Issues**	**Cost**	Resources
RAG Status	🟡	🟢	🟢	🟡
Status Justification				
Schedule	• UAT execution completed on 27/09 • Regression Testing commenced from 30/09 • Performance Test preparation in progress • Implementation preparation in progress			
Risks and Issues	• There are currently no major Risks or Issues impacting the delivery of the November 19 release.			
Cost	• The BER with full delivery costs were approved at ChMC in April 2019, BER for XRN4866 UIG Recommendation approved by ChMC on 12th June			
Resources	• Weekly monitoring of Xoserve SME resources supporting multiple demands (e.g. BAU defects, Future Releases etc) is ongoing			

XRN4828 - Nov 19 Release Timelines

Key Milestone Dates:

- **System & UAT Completion – 27/09/19**
- **Regression Test Completion - 11/10/19**
- **Performance Test Completion – 25/10/19**
- **Implementation – 09/11/19**
- **PIS Completion – 06/12/19**

	2019											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec

XRN4828 Nov-19

HLD & Change Pack Production

Design | Build & FUT | ST & SIT | UAT | RT & PT | IDR | PIS

GO LIVE
09/11/19 - TBC

04/02: EQR Approval

10/04: BER Approval

08/05: Change Pack Approval
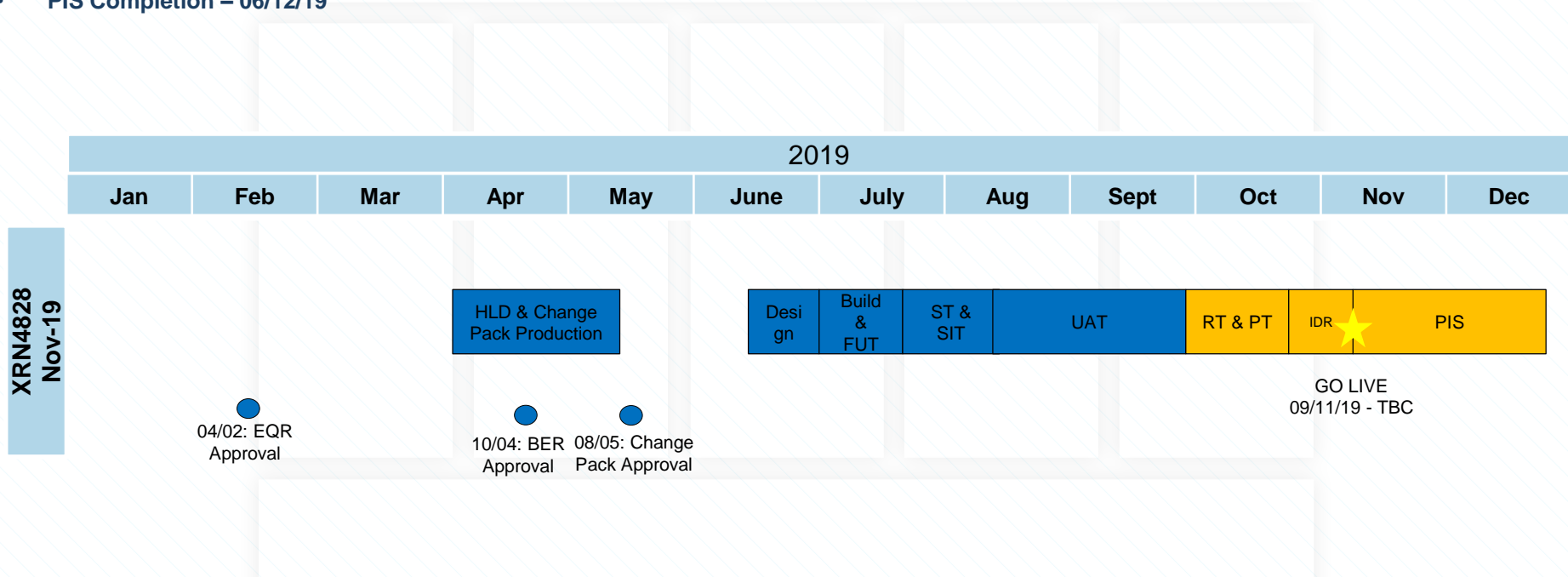
5d. XRN 4954 – MiR Drop 5 - Status Update

11/09/19	Overall Project RAG Status: 🟢			
	Schedule	**Risks and Issues**	**Cost**	Resources
RAG Status	🟢	🟢	🟢	🟢
Status Justification				
Schedule	• PIS has completed and approval has been provided to exit PIS • Closedown planned for 11/10/19, following presentation of CCR to ChMC			
Risks and Issues	• No current risks/issues			
Cost	• All costs tracked to budget			
Resources	• No issues with resources			

Potential Minor Release Drop 5 Timeline & Scope

Minor Release Drop 5 Key Milestone Dates:

	SPA Change	Drill Down Report
Initiation	14/6/19	23/7/19
Design	29/6/19	23/7/19
Build	12/7/19	3/8/19
Test	9/8/19	30/8/19
Implementation	7/9/19	7/9/19
Closedown	10/11/19	10/11/19

2019											
Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec

MiR Drop 5

Design | Build | Assura | CM | RT | IMP | PIS

10/07: Scope Approval

7/9 Go Live
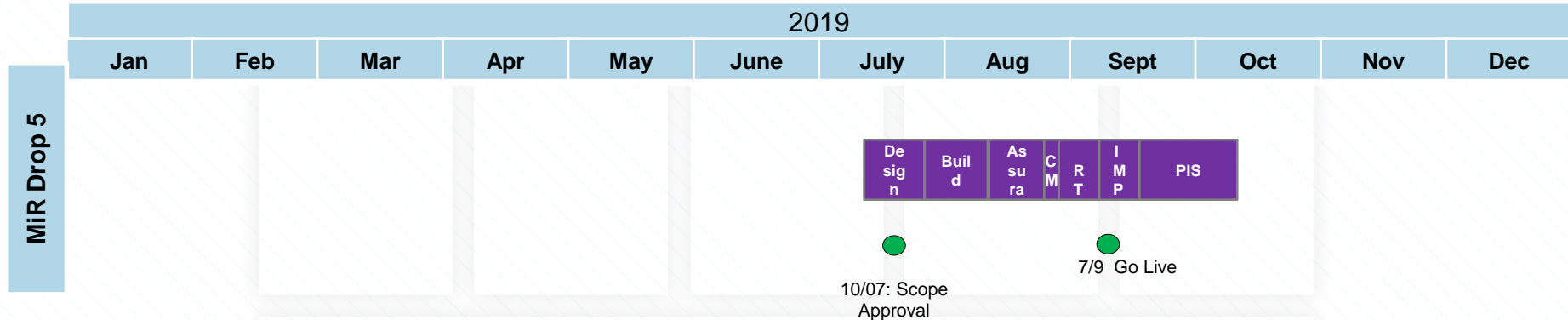
5e. XRN4914 MOD 0651- Retrospective Data Update Provision

What do you need to know about Project Retrospective Updates?

October 2019   **January 2020**

Capture phase	Mobilise phase	Proof of Concept (PoC) phase		

	Onboarding	**Receive Datasets**	**Compare and Contrast**	**Analysis**

- Requirements shared with industry
- Project Updates provided at DSG and Change Management Committees

Collaboration, Triaging and Reporting
Working with Shippers to receive datasets, sharing information and findings at a Portfolio and Market level

We are here

- Enhance communication and engagement of Proof of Concept exercise
- Continue to provide regular project updates to DSG and Change Management Committee

What's happened so far?

- Project raised in April 2019
- Three main parts to the Project
  - Proof of Concept (PoC) exercise, followed by a Data Cleansing and Enduring solution
- PoC Requirements have been captured and approved
- Regular project updates provided at DSG and Change Management Committee (ChMC)
- Solution Options have been ratified with customers and Approval is now sought on recommended High Level Solution

What's happening Next?

- We are now in the mobilisation phase
- Encouraging Customers to get involved if possible
- You can register your interest in the PoC by getting in touch with the Customer Change team or your Customer Advocate
- Onboarding to take place with Shipper volunteers
- Agree design and delivery mechanism of datasets
- Contracting with selected Vendor
- Updates will continue to be provided to DSG and ChMC

XRN4914 – *MOD 0651Retrospective Data Update Provision*

High Level System Solution Options
for Retro Proof of Concept

Change Overview

XRN4914 - *MOD 0651Retrospective Data Update Provision*

This change comprises 3 elements; a Proof of Concept (PoC), a Data Cleanse and an Enduring Solution.

At this stage our preliminary focus is the Proof of Concept as this will enable us to quantify the type and frequency of data quality issues that exist with Customers against a pre-defined set of Meter Assets data items. The objective of the Proof of Concept is to gain insight on the data issues and support the strategy for the Data Cleanse element.

The Proof of Concept is a voluntary exercise which is open to any Shippers willing to participate. Requirements have been drafted to support a flexible solution that allows Shippers to participate at different levels, whilst also ensuring quality reporting and analysis can be obtained.

Outputs from the Proof of Concept will include comparison reports with participating Shippers, and market level analysis to aid our understanding of the key issues and the appropriate approach to tackle Data Cleansing.

Solution Options for the Proof of Concept

1	Xoserve's Azure Cloud Solution with SAS Analytics and SAS reporting
2	3rd party Azure Cloud Solution with SAP Business Objects
3	3rd party Azure Cloud Solution
4	Xoserve's Azure Cloud Solution with SAS analytics and Azure Cloud Power BI reporting

Option 1

Description

Data Storage : All the necessary files for data comparison will be provided by Xoserve to vendor in the agreed format and via a secure means. Solution will securely store data in an SFTP which will be uploaded to the Azure platform. These will be stored in flat files and be available for analysis

Comparison : A basic repository will be designed and implemented to contain the data to be compared and analysed. Solution will use SAS Data Integration Studio (DIS), on one of the Azure Demand Estimation environments solution for comparison exercise

Outputs: The reports for the visualisation of results and deep dive in data will be developed on SAS Visual Analytics.

Solution

1. Source Data

UK Link Data
BW   ISU

Shipper Data
Files

2. Data Storage

Basic Repository in Azure Cloud
UK Link / BW Data (Selective)   Customer Data Files

3. Comparison

Analytical Toolsets (SAS DIS)
Comparative Algorithms

§sas

4. Outputs

Reports
Exception Reporting

§sas

5. Integration
Azure Data Factory (ADF)
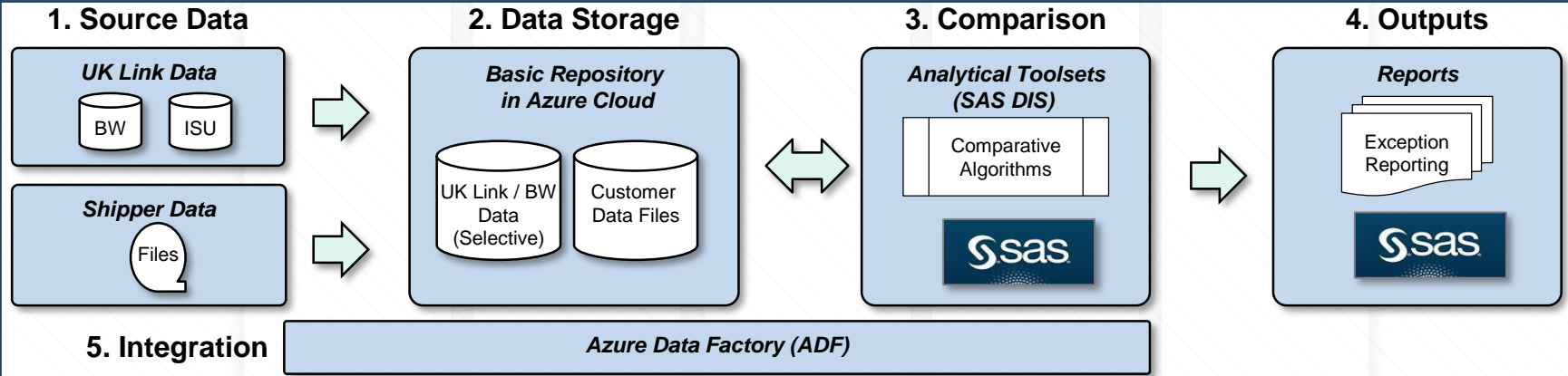
Timeline	Environment	High Level Cost Estimate
3 - 4 Months	Xoserve's Azure Cloud Solution	£240k - 290k exc VAT

Option 2

Description

Data Storage: Extraction tool to be used to extract data from SAP BW and reports will be used for data extraction from SAP ISU into a staging area in Azure SQL Cloud server

Comparison : Data processing and reconciliation as part of comparison exercise will use Python for building algorithms

Outputs: The reports for the visualisation of results and deep dive in data will be developed on SAP Business Objects.

Solution

1. Source Data

UK Link Data

BW   ISU

Shipper Data

Files

2. Data Storage

Enterprise Data Storage (Azure SQL - Cloud)

UK Link / BW Data (Selective)   Customer Data Files

3. Comparison

Analytical Toolsets (Azure Cloud)

Comparative Algorithms

python

4. Outputs

Reports

Exception Reporting

SAP Business Objects

5. Integration

Azure Data Factory (ADF) / IQNxt (Data Quality)
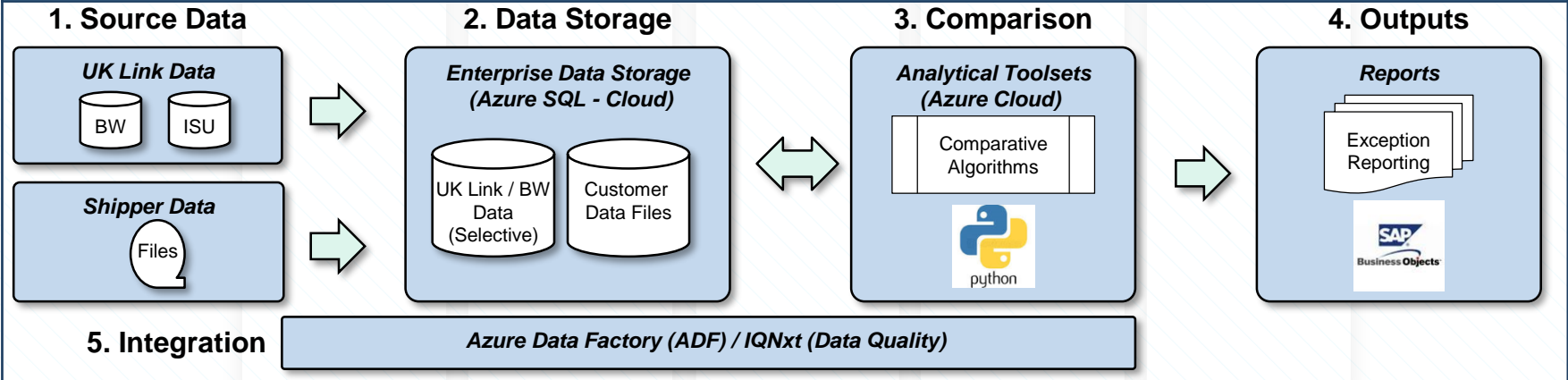
Timeline	Environment	High Level Cost Estimate
4 – 5 Months	3rd Party Azure Cloud Solution	£330k - 380k exc VAT

Option 3

Description

Data Storage: Solution will store asset data in both a structured format such as a relational database, and in a raw format in the platform server

Comparison : Data processing and reconciliation as part of comparison exercise will use analytical tools in Azure Cloud

Outputs: Solution suggested to propose and quote for work that will implement an Enterprise-ready reporting platform tailored to the needs of Xoserve after Comparison exercise is finished.

Solution

1. Source Data

UK Link Data

BW | ISU

Shipper Data

Files

2. Data Storage

Azure Cloud

UK Link / BW Data (Selective) | Customer Data Files

3. Comparison

Analytical Toolsets (Azure Cloud)

Comparative Algorithms

4. Outputs

Reports

Exception Reporting

5. Integration

Azure Data Factory (ADF)
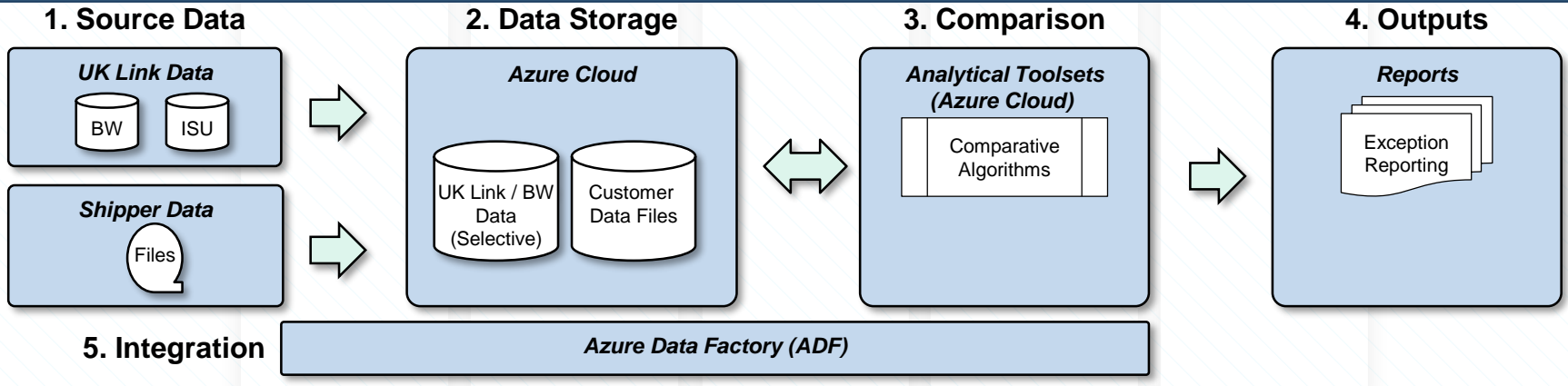
Timeline	Environment	High Level Cost Estimate
6.5 – 7.5 months	3rd Party Azure Cloud Solution	£640k – 690k exc VAT

Option 4

Description

Data Storage: Data storage hosted on Azure will be used to store both UK Link/BW and Shipper Data files. Data storage will be funded on a Pay as you Go basis. Azure will provide scalability in terms of processing power, storage and environments

Comparison : The existing SAS Platform (currently support Demanding Estimation) will have a direct connection to the data storage to retrieve data. Base SAS jobs will be used to compare data sets and generate any exceptions based on agreed rules. These jobs will be re-usable and can be scheduled if the Retro POC matures into an enduring solution

Outputs: Exception reporting will be generated in the agreed formats to provide detail where data is misaligned. Data can be made available through Azure (OneDrive) to deliver outputs to customers.

Solution

1. Source Data

UK Link Data
- BW
- ISU

Shipper Data
- Files

2. Data Storage

Azure SQL - Cloud
- UK Link / BW Data (Selective)
- Customer Data Files

3. Comparison

Analytical Toolsets (Azure Cloud)
- Comparative Algorithms
- S.sas

4. Outputs

Reports (Azure Cloud)
- Exception Reporting

5. Integration

Azure Data Factory (ADF) / Azure Data Quality Services

Timeline	Environment	High Level Cost Estimate
3 – 4 Months	Xoserve's Azure Cloud Solution	£220k - 270k exc VAT

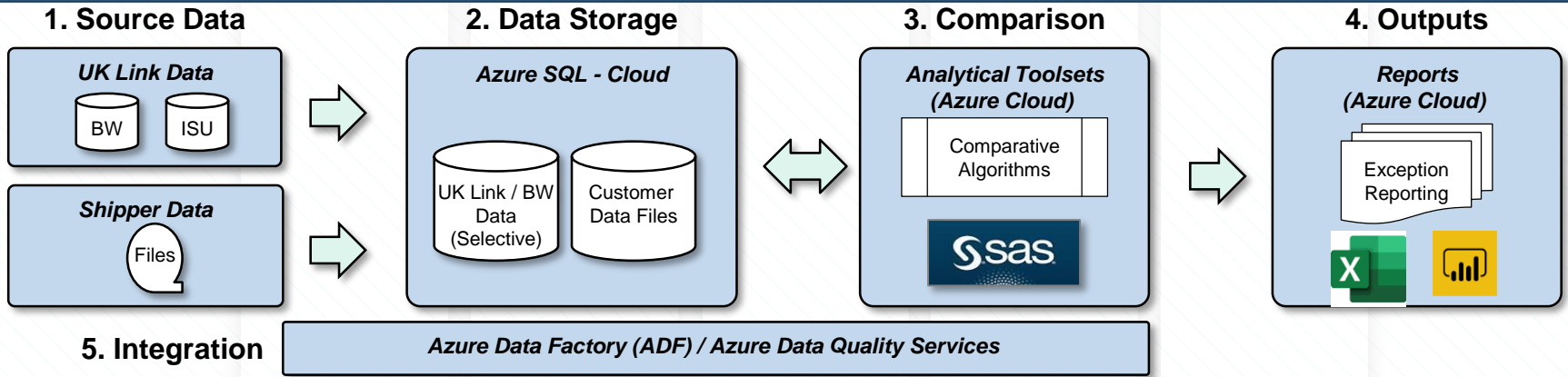# Assessment criteria with recommended solution

	Cost	Resource	Data	Timescales	Risk	Security	Enduring
1	Cost to deliver this change is forecasted to be in the range £240k – £290k Includes forecast for additional cost for procuring SFTP server	Dedicated Data team resources required Minimum IS Ops resource required 3rd party supplier resources required for comparison and deep dive exercises	As part of this exercise data received and analysed will be stored Xoserve's cloud platform	Delivery timescale of 3 – 4 months Additional re-work required to transition to enduring solution	Medium confidence level for delivery Risk of not establishing a SFTP mechanism with in timelines	Low security risk assessment required – internal platform already assessed Security risk assessment required on SFTP element	Partially aligns with the enduring solution
2	Cost to deliver this change is forecasted to be in the range £330k - £380k	Dedicated Data team resources required Minimum IS Ops resource required 3rd party supplier resources required for comparison and deep dive exercises	As part of this exercise data received and analysed will be stored 3rd party's cloud platform	Delivery timescale of 4 – 5 months Security full risk assessment will take 3-4 weeks Additional re-work required to transition to enduring solution	Low confidence level for delivery Risk of key resources occupied with Class 3 (Mod 700) and other Xoserve commitments	Full security risk assessment required on external hosted platform – would take 3 – 4 weeks Security risk assessment required on SFTP element	Does not align with the enduring solution
3	Cost to deliver this change is forecasted to be in the range £640k - £690k	Dedicated Data team resources required Minimum IS Ops resource required 3rd party supplier resources required for comparison and deep dive exercises	As part of this exercise data received and analysed will be stored 3rd party's cloud platform	Delivery time scale of 6 weeks only for comparison exercise Additional 4 months to complete activity Security full risk assessment will take 3-4 weeks Additional re-work required to transition to enduring solution	Low confidence level for delivery No reporting solution provided as part of firm quoting for proof of concept.	Full security risk assessment required on external hosted platform – would take 3 – 4 weeks Security risk assessment required on SFTP element	Does not align with the enduring solution
4	Cost to deliver this change is forecasted to be in the range £220k - £270k	Dedicated Data team resources required Minimum IS Ops resource required 3rd party supplier resources required for comparison and deep dive exercise	As part of this exercise data received and analysed will be stored Xoserve's cloud platform	Delivery timescale of 3 -4 months Less re-work required to transition to enduring solution	High confidence level for delivery Creation of data storage is a dependency for Retro proof of concept. Low risk re Security review as internal platform already assessed	Low security risk assessment required – internal platform already assessed	Aligns with enduring solution **Recommended Solution**

Timeline / Cost Overview

Option	Timeline	High Level Cost Estimate
1	3 – 4 months	£240k – 290k exc VAT
2	4 – 5 months	£330k - 380k exc VAT
3	6.5 – 7.5 months	£640k - 690k exc VAT
4	3 – 4 months	£220k - 270k exc VAT

Xoserve Recommended Solution

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

3rd Sept 2019	Capture Progress update
Schedule	**Proof of Concept requirements approved** **Procurement:** • **Responses reviewed by Solution Architect and Security; recommended solution option provided** • **Steerco agreed recommended option; 29th August** **Customer Engagement:** • **Agreeing approach internally**
Risks and Issues	• **Issue:** project is behind original draft plan for delivery of Retro Enduring Solution for Nov 2020 • **Issue:** data team / security team resources not allocated to project • **Risk:** that cost required to deliver project is greater than project funding (2017 day rates used) • **Risk**: availability of internal resources (environments/people) may impact plan for delivery of Retro
Cost	• **Project funding:** £1.5 mill; £700k for 2019 and £800k for 2020 • **Project Cost for Proof of Concept: to be agreed once solution option selected**
Resources	• Engagement approach to be agreed with Customers

Key: *highlighted text :update from last meeting*

XRN4914 MOD 0651- Retrospective Data Update Provision – Proof of Concept – What we have done to date and next steps

XRN4914 MOD 0651- Retrospective Data Update Provision

- Proof of Concept (PoC)
- Data Cleanse
- Enduring Solution
- Market Trials

Proof of Concept Tasks	Jun	Jul	Aug	Sept	
Kick-off	★				
Capture Requirements & Approve	■				
Engage Procurement / Produce Request for Response		■			
Review Responses / Identify Recommended Solution		■			
Seek internal approval of recommended solution			■		
Seek external approval of recommended solution				■	
Produce Business Case & Approval of spend				■	
Award contract to 3rd party				★	

Key: ● Completed ● On-target ● Medium / high risk ● Slipped / High risk

today

Next Steps

Activity
Discuss recommended option with Networks
Produce Business Case
Inform ChMC of solution choice
Inform DSG of solution choice
Award contract to successful vendor

5f. XRN4991 – MOD0700 Status Update

30th September	Overall Project RAG Status: 🟡			
	Schedule	**Risks and Issues**	**Cost**	Resources
RAG Status	🟡	🟡	🟡	🟡
Status Justification				
Schedule	**BW (Reporting) Changes:** • Requirements agreed for reporting changes and design to be presented to PAC on 8th October • Engaged with Wipro for delivery plan **AMT SPC File Restrictions:** • Market Flow changes went live 28th Sept; SPC File limits set for those Shippers actively migrating to Class 3 – no global limit set **SAP ISU Changes:** • Performance test; completed and changes went live 28th Sept; received Shipper preferred dates set **Inner Tolerance Check:** • Engaged with Wipro for assigning resource for planning and delivery			
Risks and Issues	• **Risk:** There is a risk that the number of Inner Tolerance rejections will increase as a result of this implementation – these rejections will be monitored and a solution has been identified, but will need to be implemented based on criticality • **Risk:** There is a risk that additional funding is required to cover the cost of completing delivery for Inner Tolerance Check and Reporting; expectation is that this will be covered in the agreed risk margin			
Cost	• The BER has been presented and approved by ChMC on the 11th Sept			
Resources	• Daily stand-up with all areas; resources being understood and prioritized for Inner Tolerance check and Reporting			

XRN4991 - MOD0700 Timelines

2019		
Aug	**Sept**	**Oct**

- 28/08: Change Pack Approval
- 11/09: BER Approval

GO LIVE 28/09/19

SAP - ISU

- Design
- Build & Test (Unit, System, UAT and Regression)
- Performance Test
- Inner Tolerance
- PIS

Market Flow

Received from AMT 20/09

GO LIVE 28/09/19

- Design
- Build & Test (Unit & System)
- UAT and Regression
- PIS

Reporting

- Reporting

today

Key: dashed line - proposed

Key:
- Completed
- On-target
- Medium risk
- Slipped / High risk
- Planning
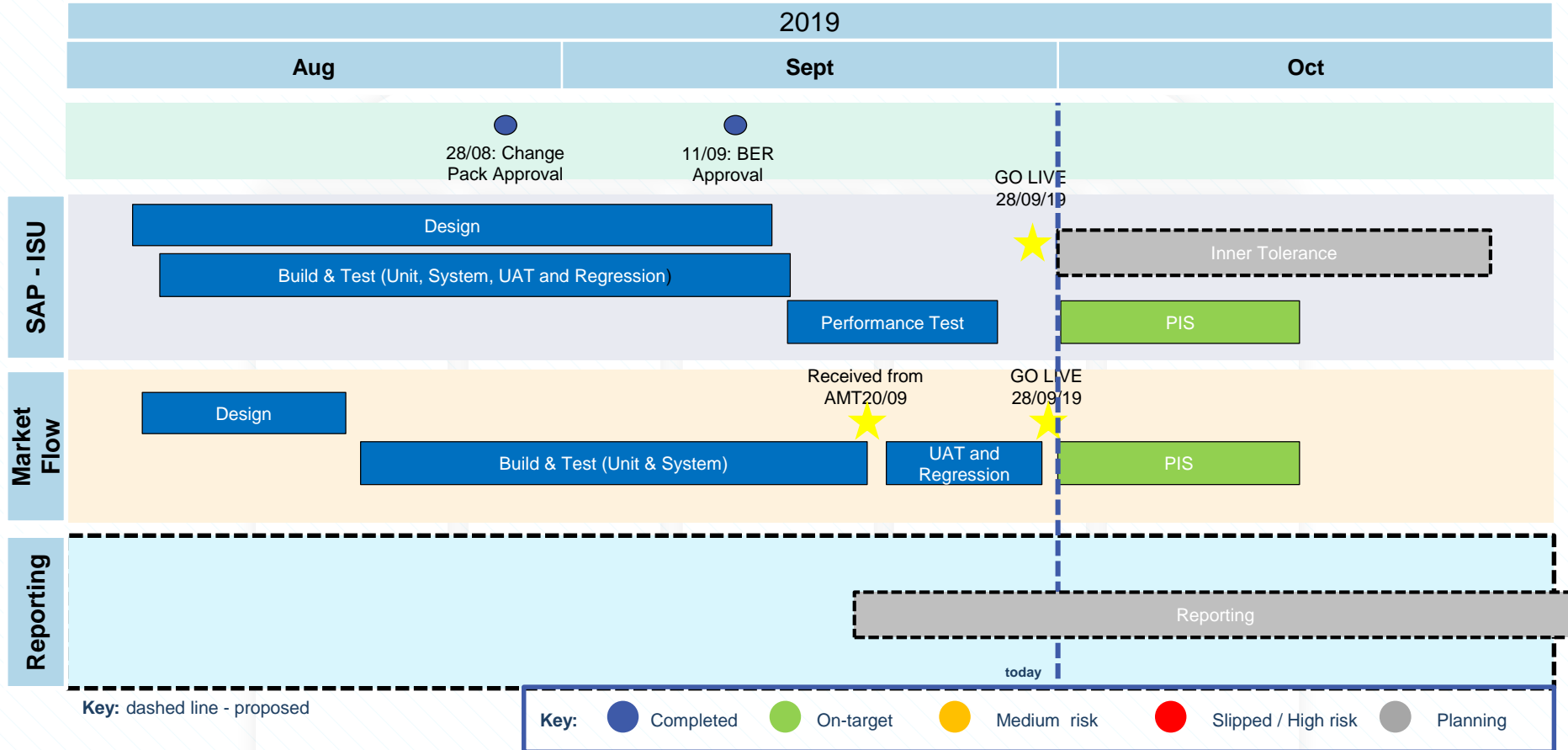
XRN4991 MOD 0700 - Enabling large scale utilisation of Class 3

- Further information will be available on the day of the meeting

6. New Change Proposals
For Ratification of the Prioritisation Scores

6. New Change Proposals
For Ratification of the Prioritisation Scores

- None for this meeting

7. Change Proposal Initial View Representations

7. Change Proposal Initial View Representations

- None for this meeting
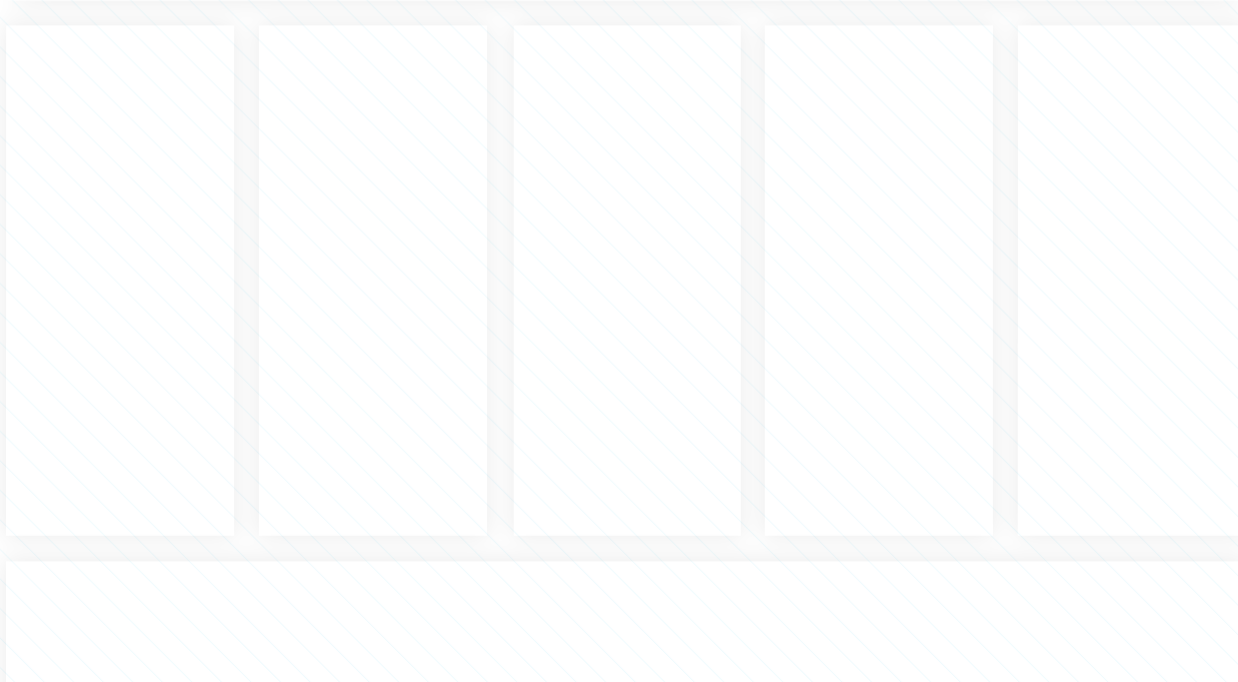
8. Undergoing Solution Options Impact Assessment Review

8. Undergoing Solution Options Impact Assessment Review

- 8a. XRN4992 - Modification 0687 - Creation of new charge to recover Last Resort Supply Payments

8a. XRN4992 - Modification 0687 Clarification of Supplier of Last Resort (SoLR) Cost Recovery Process

High Level System Solution
Impact Assessment

DSG – 7th October 2019

Change Overview

XRN4992 - Modification 0687 Clarification of Supplier of Last Resort (SoLR) Cost Recovery Process

In the last 12 months there have been a number of Supplier of Last Resort (SoLR) events that have resulted in claims from SoLR suppliers for their outstanding costs (Last Resort Supply Payment or LRSP). At present there is little detail in the gas Transporter licence on how these costs are recovered from the wider shipper community, outside of it being recovered via transportation charges.

This change has been raised to essentially provide clarity on how any costs incurred by the Gas Distribution Networks (GDNs) as part of a Last Resort Supply Payment (LRSP) arising from a Supplier of Last Resort(SoLR) event are recovered from Shippers fairer and clearer.

It is proposed that a new customer charge [SoLR customer charge], is introduced into the Gas Transportation charging statements. This new charge will be split by domestic and non-domestic Charging Codes. The charge, which will be on a Supply Meter point basis, will be calculated to recover the costs originating from each market sector, with mixed portfolios allocated by market sector.

Solution Options

1	Add a New Charge Type to Core Invoices
2	Add a new charge type to Scheduled Ancillary Invoices
3	Add a New Charge Type to Unscheduled Ancillary Invoices
4	Add a new Charge Type to a RTB invoice

1 - Add a New Charge Type to Core Invoices

SAP ISU: Capacity Billing, Invoicing & Supporting Information:
- Introduction of 4 new Charge Types (debit and credit version for the domestic and non-domestic) for the acknowledgement of SoLR related payments in the Capacity billing , invoicing & SI. Monthly Charge calculation.
- Code changes to core Capacity billing & Pre bill framework
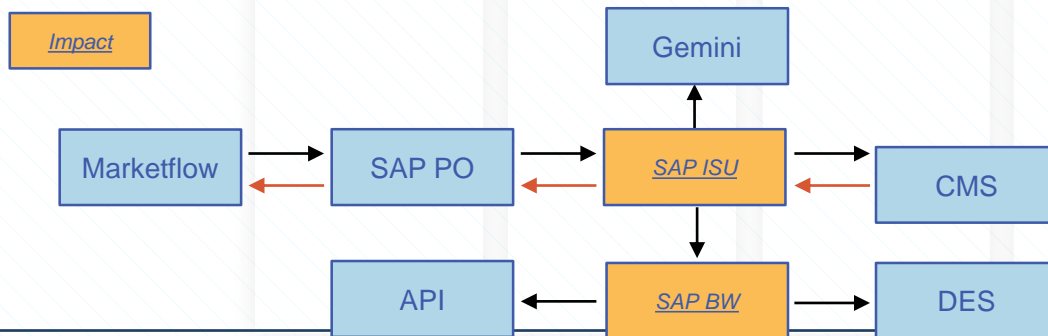- Code changes for Supporting information (ZCS & CZI (BW))

MI Report :
- Report for DNs to have a view of their portfolio for Domestic Vs Non Domestic along with associated Shipper
- Report for DNs to have a view of domestic and non-domestic meter points for the Supplier who has left the market

New Screen for LRSP unit rates to be maintained per SoLR:
- Custom screen to allow authorised user to maintain the DNO rates associated to SoLR event for Domestic and Non Domestic sites.
- Screen to allow multiple SoLR events along with maintaining details of LRSP recovery period start and End dates

Impacted Systems

Impact

Marketflow → SAP PO → SAP ISU → CMS
Gemini
API ← SAP BW → DES

Assumptions

- No new Invoice type required as the primary Invoices can be utilised.
- No file format changes to any of the core invoicing files or supporting information.
- IGTs not be in scope of this change.
- DNs to request MI report via Service request or Email to CDSP team offline and then CDSP team to generate the requested report and share it with DNs.
- DNs to provide the LRSP rates to CDSP team offline or Portal can be considered for new screen enhancement if DNs want to directly provide LRSP rates, efforts not considered here.
- AMT marketflow is not impacted as only change considered in allowable values for charge types
- MI Report can be provisioned via SAP BW but will increase the effort as charge calculation is based upon the MI report monthly run.

Overall Impact	Release Type	High Level Cost Estimate
High	Major Only	80,000 to 90,000 GBP

Option 1 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Forms	Workflow	Data Migration
System Component:	Process Code	NA	NA	Process Code	NA	NA	NA
Impacted Process Areas:	• New Report for DN portfolio • New Screen to maintain LRSP rates	NA	NA	Capacity billing, Invoicing & Supporting Info.	NA	NA	NA
Complexity Level (per RICEFW item):	High	NA	NA	High	NA	NA	NA
Change Description:	• Each DN to have a view of their portfolio for Domestic & Non-Domestic sites • DN to get a report of Supplier who has left the market based on Domestic Vs Non Domestic • DNs to provide the rate and CDSP to maintain rates via New screen	NA	NA	• Code & Config. changes for New Charge types • Code changes to core billing framework • Code changes to ZCS & CZI	NA	NA	NA

	ISU	BW	PO / Marketflow	DES	CMS	AMT	API
Test Data Prep Complexity:	A	G	NA	NA	NA	NA	NA
Unit and Sys Test Complexity:	A	G	NA	NA	NA	NA	NA
Pen Test Impact:	G	G	NA	NA	NA	NA	NA
Regression Testing Coverage:	A	G	NA	NA	NA	NA	NA
Performance Test Impact:	A	G	NA	NA	NA	NA	NA
Market Trials:	NA	NA	NA	NA	NA	NA	NA
UAT Complexity:	A	A	NA	NA	NA	NA	NA

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)	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
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	H	N	N	N	Y	Y
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

2 - Add a new charge type to Scheduled Ancillary Invoices

SAP ISU: Invoicing via Scheduled Ancillary:
- Introduction of 4 new Charge Types (debit and credit version for the domestic and non-domestic) for the acknowledgement of SoLR related payments in the to ANC invoice along with new invoice type code for identifying LRSPs.
- Code changes for new charge type code, pre bill and update I57 comments, Control M job changes in ISU
- Monthly Charge calculation is based upon the MI report and invoices will be issued on agreed date with networks.
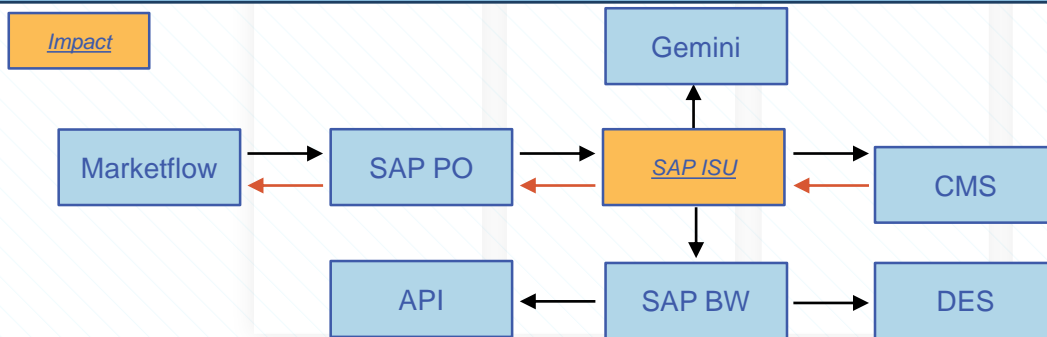
MI Report :
- Report for DNs to have a view of their portfolio for Domestic Vs Non Domestic along with associated Shipper
- Report for DNs to have a view of domestic and non-domestic meter points for the Supplier who has left the market

New Screen for LRSP unit rates to be maintained per SoLR:
- Custom screen to allow authorised user to maintain the DNO rates associated to SoLR event for Domestic and Non Domestic sites.
- Screen to allow multiple SoLR events along with maintaining details of LRSP recovery period start and End dates

Impacted Systems	Assumptions

Impacted Systems

Impact

Marketflow → SAP PO → *SAP ISU* → CMS
Gemini
API ← SAP BW → DES

Assumptions

- No new Invoice type required as the primary Invoices can be utilised.
- No file format changes to any of .INV file or I57 record
- Control M efforts are to be included
- DNs to request MI report via Service request or Email to CDSP team offline and then CDSP team to generate the requested report and share it with DNs.
- DNs to provide the LRSP rates to CDSP team offline or Portal can be considered for new screen enhancement if DNs want to directly provide LRSP rates, efforts not considered here.
- AMT marketflow is not impacted as only change considered in allowable values for charge types & Invoice code
- MI Report can be provisioned via SAP BW but will increase the effort as charge calculation is based upon the MI report monthly run.

Overall Impact	Release Type	High Level Cost Estimate
High	Major	33,000 to 36,000 GBP

Option 2 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Forms	Workflow	Data Migration
System Component:	Process Code	NA	NA	Process Code	NA	NA	NA
Impacted Process Areas:	• New Report for DN portfolio • New Screen to maintain LRSP rates	NA	NA	• ANC invoice type billing & Invoicing	NA	NA	NA
Complexity Level (per RICEFW item):	High	NA	NA	Medium	NA	NA	NA
Change Description:	• Each DN to have a view of their portfolio for Domestic & Non-Domestic sites • DN to get a report of Supplier who has left the market based on Domestic Vs Non Domestic • DNs to provide the rate and CDSP to maintain rates via New screen	NA	NA	• Code & Config. changes for New Invoice type code & charge types • Code changes to .INV I57 segment • Control M job changes	NA	NA	NA

	ISU	BW	PO / Marketflow	DES	CMS	AMT	API
Test Data Prep Complexity:	G	NA	NA	NA	NA	NA	NA
Unit and Sys Test Complexity:	A	NA	NA	NA	NA	NA	NA
Pen Test Impact:	G	NA	NA	NA	NA	NA	NA
Regression Testing Coverage:	G	NA	NA	NA	NA	NA	NA
Performance Test Impact:	A	NA	NA	NA	NA	NA	NA
Market Trials:	NA	NA	NA	NA	NA	NA	NA
UAT Complexity:	A	NA	NA	NA	NA	NA	NA

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)	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
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	M	N	N	N	Y	Y
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

3 - Add a new charge type to Unscheduled Ancillary Invoices

SAP ISU: Invoicing via Unscheduled Ancillary:
- Introduction of 4 new Charge Types (debit and credit version for the domestic and non-domestic) for the acknowledgement of SoLR related payments in the to ANC invoice along with new invoice type code for identifying LRSPs.
- Code changes for new charge type code, pre bill and update I57 comments, Control M job changes in ISU
- Monthly Charge calculation is based upon the MI report, invoices will be issued on ad-hoc basis.
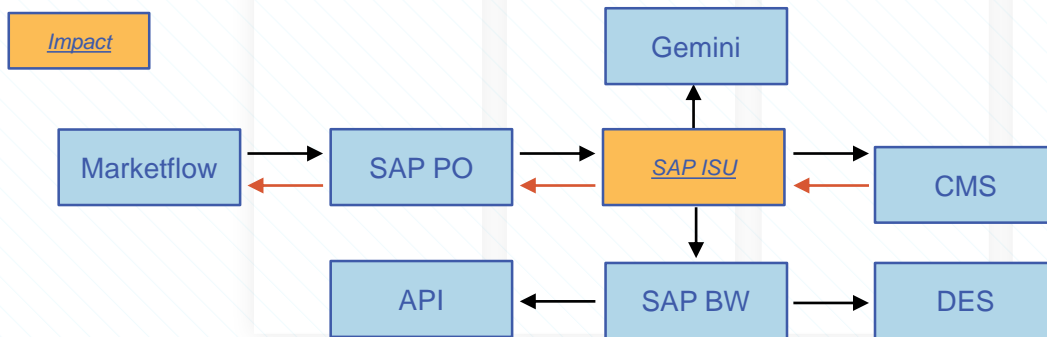
MI Report :
- Report for DNs to have a view of their portfolio for Domestic Vs Non Domestic along with associated Shipper
- Report for DNs to have a view of domestic and non-domestic meter points for the Supplier who has left the market

New Screen for LRSP unit rates to be maintained per SoLR:
- Custom screen to allow authorised user to maintain the DNO rates associated to SoLR event for Domestic and Non Domestic sites.
- Screen to allow multiple SoLR events along with maintaining details of LRSP recovery period start and End dates

Impacted Systems	Assumptions

Impacted Systems

Impact

Gemini

Marketflow → SAP PO → *SAP ISU* → CMS

API ← SAP BW → DES

Assumptions
- No new Invoice type required as the primary Invoices can be utilised.
- No file format changes to any of .INV file or I57 record
- Control M efforts are to be included
- DNs to request MI report via Service request or Email to CDSP team offline and then CDSP team to generate the requested report and share it with DNs.
- DNs to provide the LRSP rates to CDSP team offline or Portal can be considered for new screen enhancement if DNs want to directly provide LRSP rates, efforts not considered here.
- AMT marketflow is not impacted as only change considered in allowable values for charge types & Invoice code
- MI Report can be provisioned via SAP BW but will increase the effort as charge calculation is based upon the MI report monthly run.

Overall Impact	Release Type	High Level Cost Estimate
High	Major	30,0000 to 33,600 GBP

Option 3 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Forms	Workflow	Data Migration
System Component:	Process Code	NA	NA	Process Code	NA	NA	NA
Impacted Process Areas:	• New Report for DN portfolio • New Screen to maintain LRSP rates	NA	NA	• ANC invoice type billing & Invoicing	NA	NA	NA
Complexity Level (per RICEFW item):	High	NA	NA	Medium	NA	NA	NA
Change Description:	• Each DN to have a view of their portfolio for Domestic & Non-Domestic sites • DN to get a report of Supplier who has left the market based on Domestic Vs Non Domestic • DNs to provide the rate and CDSP to maintain rates via New screen	NA	NA	• Code & Config. changes for New Invoice type code & charge types • Code changes to .INV I57 segment • Control M job changes	NA	NA	NA

	ISU	BW	PO / Marketflow	DES	CMS	AMT	API
Test Data Prep Complexity:	G	NA	NA	NA	NA	NA	NA
Unit and Sys Test Complexity:	A	NA	NA	NA	NA	NA	NA
Pen Test Impact:	G	NA	NA	NA	NA	NA	NA
Regression Testing Coverage:	G	NA	NA	NA	NA	NA	NA
Performance Test Impact:	A	NA	NA	NA	NA	NA	NA
Market Trials:	NA	NA	NA	NA	NA	NA	NA
UAT Complexity:	A	NA	NA	NA	NA	NA	NA

Option 3 - Process Impact Assessment

3

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)	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
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	M	N	N	N	Y	Y
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

4 - Add a new Charge Type to a RTB invoice

SAP ISU: Invoicing via Request to bill (RTB):
- Introduction of 4 new Charge Types (debit and credit version for the domestic and non-domestic) for the acknowledgement of SoLR related payments in the to RTB template. The Invoice Type, 'INR', would be utilised
- Code changes for new charge type code billing and invoicing with .INV update I57 comments
- Monthly Charge calculation is based upon the MI report, invoices will be issued manually by CDSP team
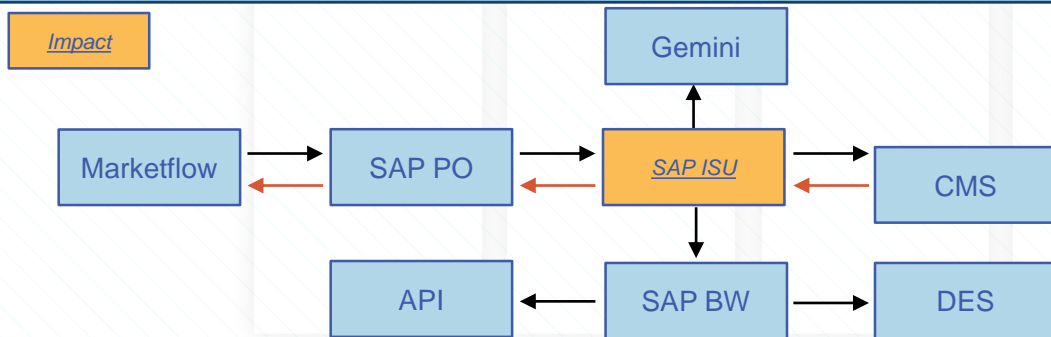
MI Report :
- Report for DNs to have a view of their portfolio for Domestic Vs Non Domestic along with associated Shipper
- Report for DNs to have a view of domestic and non-domestic meter points for the Supplier who has left the market

New Screen for LRSP unit rates to be maintained per SoLR:
- Custom screen to allow authorised user to maintain the DNO rates associated to SoLR event for Domestic and Non Domestic sites.
- Screen to allow multiple SoLR events along with maintaining details of LRSP recovery period start and End dates

Impacted Systems	Assumptions

Impacted Systems

Impact

Gemini

Marketflow → SAP PO → *SAP ISU* → CMS

API ← SAP BW → DES

Overall Impact	Release Type	High Level Cost Estimate
High	Minor	26,000 to 30,000 GBP

Assumptions
- No new Invoice type required as the primary Invoices can be utilised.
- No file format changes to any of .INV file or I57 record
- DNs to request MI report via Service request or Email to CDSP team offline and then CDSP team to generate the requested report and share it with DNs.
- DNs to provide the LRSP rates to CDSP team offline or Portal can be considered for new screen enhancement if DNs want to directly provide LRSP rates, efforts not considered here.
- AMT marketflow is not impacted as only change considered in allowable values for charge types & Invoice code
- MI Report can be provisioned via SAP BW but will increase the effort as charge calculation is based upon the MI report monthly run.

Option 4 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Forms	Workflow	Data Migration
System Component:	Process Code	NA	NA	Process Code	NA	NA	NA
Impacted Process Areas:	• New Report for DN portfolio • New Screen to maintain LRSP rates	NA	NA	• RTB template changes • RTB billing and invoicing	NA	NA	NA
Complexity Level (per RICEFW item):	High	NA	NA	Medium	NA	NA	NA
Change Description:	• Each DN to have a view of their portfolio for Domestic & Non-Domestic sites • DN to get a report of Supplier who has left the market based on Domestic Vs Non Domestic • DNs to provide the rate and CDSP to maintain rates via New screen	NA	NA	• Code & Config. changes for New Invoice type code & charge types • Code changes to .INV I57 segment • Control M job changes	NA	NA	NA

	ISU	BW	PO / Marketflow	DES	CMS	AMT	API
Test Data Prep Complexity:	G	NA	NA	NA	NA	NA	NA
Unit and Sys Test Complexity:	A	NA	NA	NA	NA	NA	NA
Pen Test Impact:	G	NA	NA	NA	NA	NA	NA
Regression Testing Coverage:	G	NA	NA	NA	NA	NA	NA
Performance Test Impact:	A	NA	NA	NA	NA	NA	NA
Market Trials:	NA	NA	NA	NA	NA	NA	NA
UAT Complexity:	A	NA	NA	NA	NA	NA	NA

Option 4 - 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)	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
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	M	N	N	N	Y	Y
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

DSG Considerations

- Do DSG have a preferred solution option?

- Worth noting that as currently scoped, Option 4 is the only solution option which can be delivered under a Minor Release and in line with the proposed modification implementation.

- Do DSG have a view on an interim and long-term solution approach?
  - It has previously been discussed that DSG felt a short term solution could be implemented to meet the proposed modification implementation date. Following this a long-term solution could be scoped for delivery within a Major Release.

Next Steps

- The HLSO and DSG recommended solution will be issued out within the October Change Pack for industry representation.

- Following this, the change will go to the November Change Management Committee for discussion and approval of the preferred solution option and implementation date.

9. Solution Options Impact Assessment Review Completed

9. Solution Options Impact Assessment Review Completed

- None for this meeting

10. Miscellaneous
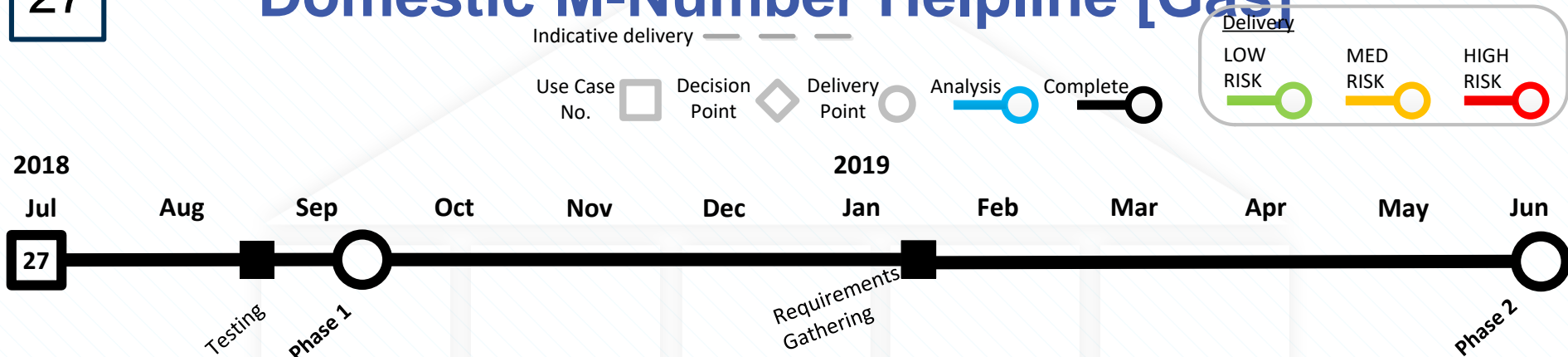
10. Miscellaneous

- 10a. Report Review Update

10a. Report Review Update

- Verbal update to be provided by Charlie Haley

11. JMDG Update

Domestic M-Number Helpline [Gas]

27

Indicative delivery ‒ ‒ ‒

- Use Case No. ☐
- Decision Point ◇
- Delivery Point ◯
- Analysis ◯—
- Complete ●—

2018   **2019**

| Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |

27 ▪ Testing ◯ Phase 1   ▪ Requirements Gathering ◯ Phase 2

Use case overview
- Replace the existing method of providing this service with an online solution
- 500k calls per year, used by domestic consumers

JMDG progression
Assessed, prioritised and requested project team to provide solution.

Solution overview

Phase 1 – Web Portal has been delivered to gas consumers. Consumers can obtain MPRN, Gas Supplier and Transporter name
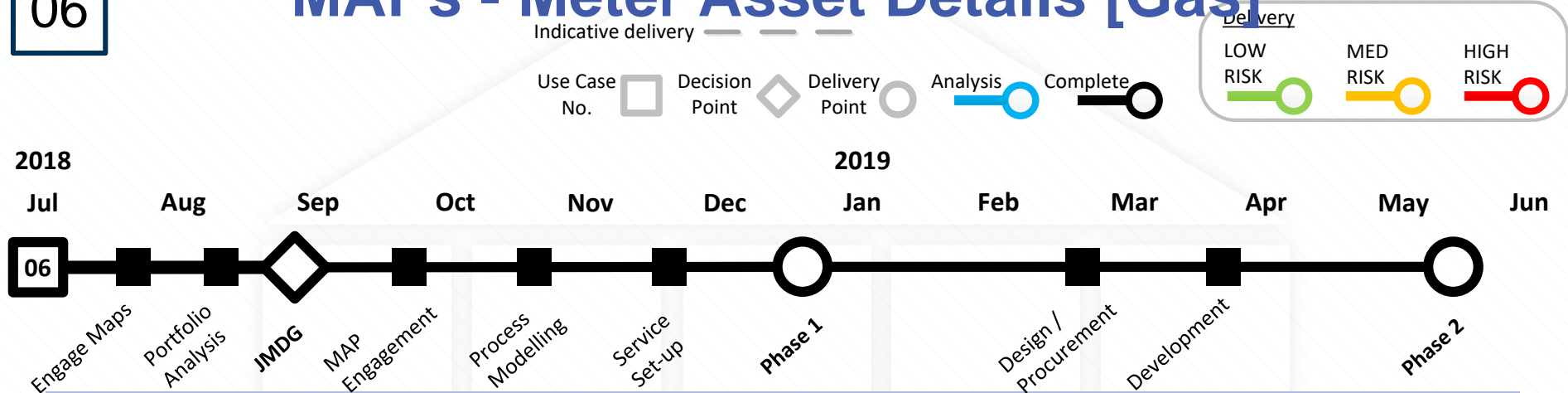**Phase 2** –Enhancement to Web Portal. Key updates include fuzzy matching on searches, more searchable fields and inclusion unregistered sites.

Plan
Phase 1 was delivered in September 2018. Phase 2 has commenced and is on track to launch on 21st June 2019
Phase 2 was delivered in June 2019. Phase 2 provided enhancements to search and address matching functionality

MAPs - Meter Asset Details [Gas]

06

Indicative delivery

Use Case No. □ Decision Point ◇ Delivery Point ○ Analysis ● Complete ●

Delivery

LOW RISK ● MED RISK ● HIGH RISK ●

2018 **2019**

| Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |

06 — Engage Maps — Portfolio Analysis — **JMDG** — MAP Engagement — Process Modelling — Service Set-up — **Phase 1** — Design / Procurement — Development — **Phase 2**

Use case overview
- Meter asset data on UK Link is not correctly maintained by industry participants
- A reporting service will be provided to compare the MAM / MAP meter point reference number and meter serial number to that held on UK Link

JMDG progression
Assessed, prioritised, requested project team to analyse requirements with MAPs

Solution overview

Phase 1 – MAPs to UKLink meter asset comparison service **(Dec '18) - Completed**

Phase 2 – MAP to MAP meter asset comparison service **(May '19) – Completed**

Phase 3 – Introduction of MAP ID into UKLink (CSSC) – Enduring solution **(TBC – would be linked to a UKLink Release schedule)**

Third Party Services [Twin]

33

Indicative delivery ─ ─ ─

Use Case No. ☐ Decision Point ◇ Delivery Point ◯ Analysis ●—◯ Complete ●—◯

Delivery

LOW RISK ●—◯ MED RISK ●—◯ HIGH RISK ●—◯

2018

2019

| Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |

23

Permissions Workshop

Raise MOD 649

workshop

MOD 649 Approval

Engagement Plan

Start Engagement

JMDG

Use case overview
- Provide data services to Third Parties

JMDG progression
Assessed, prioritised, requested project team to conduct initial analysis

Overview
- A gas data permissions matrix has been created detailing current industry participants permissions to data
- The data permissions matrix will help highlight potential API services. MOD 649 will help expedite the governance process to provision data new data services to industry participants while still providing a robust approval process
- MRASCo Board has been establishing precedents for third party access approach, which can supplement the gas matrix
- A Third Party industry engagement approach concluded. Use case identified for Housing Associations (Use Case 60)

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MAP API [Gas]

Indicative delivery — — —

| Use Case No. ☐ | Decision Point ◇ | Delivery Point ◯ | Analysis ◯ | Complete ◯ |

Delivery

| LOW RISK ◯ | MED RISK ◯ | HIGH RISK ◯ |

2018

2019

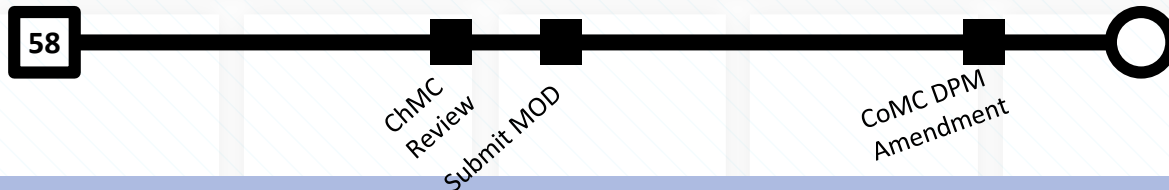| Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept |

58 ■ ChMC Review ■ Submit MOD ■ CoMC DPM Amendment ◯

Use case overview
- There is an opportunity to create a service where MAPs can query the current and historic Supplier ID for assets installed on a supply meter point
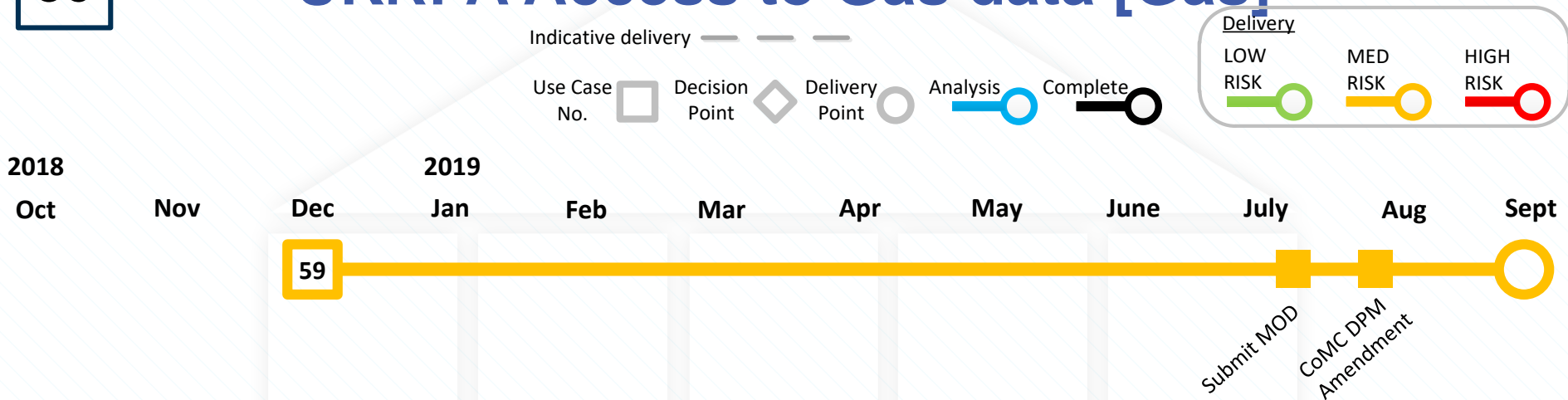
JMDG progression
Assessed, prioritised, requested project team to move to delivery

Overview
- Change Proposal has been raised and sponsored by Colin Blair (MPB Member)
- Project team to provide ChMC feedback to MAPs post meeting to highlight any considerations
- MOD and Data Permission Matrix (DPM) Amendment approved
- Change delivered on 28th June 2019

UKRPA Access to Gas data [Gas]

59

Indicative delivery — — —

Use Case No. ☐ Decision Point ◇ Delivery Point ◯ Analysis ◯ Complete ◯

Delivery

LOW RISK ◯ MED RISK ◯ HIGH RISK ◯

2018
Oct   Nov   **Dec**   **2019** Jan   Feb   Mar   Apr   May   June   July   Aug   Sept

59

Submit MOD

CoMC DPM Amendment

Use case overview
- There is an opportunity to create a service where MAPs can query the current and historic Supplier ID for assets installed on a meter point

JMDG progression
Assessed, prioritised, requested project team to move to delivery
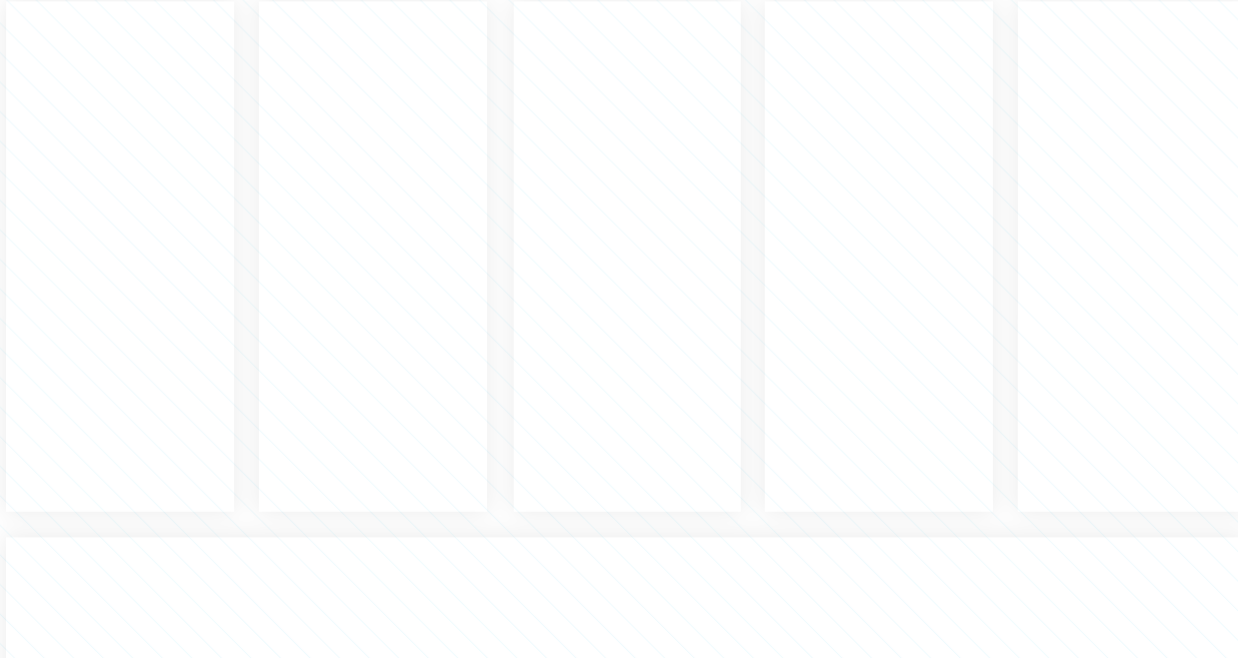
Overview
- To ensure consistency with other related parties who have also requested access to gas data for theft investigation, Xoserve are exploring the strategic approach for this type of request

12. Action Updates

12. Action Updates

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

13. AOB

AOB

- 13a. XRN4980 - Change Supply Point Enquiry API to add in extra field and make certain other fields visible – **Verbal Update**

- 13b. XRN4897/4899 – Deletion of customer contact details/ PSR data at the change of Shipper and Supplier events

- 13c. XRN4932 - Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S)

13a. XRN4980 - Change Supply Point Enquiry API to add in extra field and make certain other fields visible

- Verbal update to be provided by Jane Goodes.

13b. XRN4897/4899 – Deletion of customer contact details/ PSR data at the change of Shipper and Supplier event

Change Overview

- Customer contact and PSR information should not persist on change of supplier
  - Data is provided by end consumer to the supplier with the intent that this would be passed to parties who require this, it is not expected to include subsequent Suppliers
- Aim of the change is to identify the impacted data items and ensure that, where required, these are deleted at a Change of Supplier event
  - We will also review this for Change of Shipper events
- The CSSC team will be engaged to ensure the current and to be processes are aligned

13c. XRN4932 - Improvements to the quality of the Conversion Factor values held on the Supply Point Register (MOD0681S)

Design Considerations

Overview

- UNC Modification 0681S was progressed to give the CDSP the right to amend the Conversion Factor (CF) at Supply Meter Points (SMP) when certain conditions are met

- XRN4932 was raised to facilitate the change within CDSP systems and is in scope of June 2020 release

- Detailed Design is ongoing, however 5 design considerations have been found (so far) that we would like DSG steer on

Design Consideration 1

- As the CDSP needs to notify industry participants (Shippers) of the need for a CF amendment and give them 30 days to carry out the update themselves, there will be instances where the Supply Meter Point has changed Shipper between the notification being issued and the CDSP attempting to update the CF

- Where these instances occur we have 2 options…
  1. Update the CF regardless of any Shipper amendments
  2. Only update where we have notified the Registered User (at time of CDSP update) of a need to amend the CF

- CDSP has no preferred option, a simpler solution means leaning to option 1 due to not having to carry out an additional check, however both are doable

Design Consideration 2

- Supply Meter Points across all Class Products are in scope of MOD0681S rules (excluding sites with Corrector devices installed)
- However, during Detailed Design we have identified that Class Product 1 & 2 would, where the CDSP has to update the CF, require File Format amendments (additional value in the Reading Indicator field) to facilitate the issuing of estimate readings via MDR file for these Product Classes
- After checking the rules to be applied, 10 sites were identified as needing a CF amendment (out of 1,600) for Product Class 1 & 2
- CDSP recommendation is to de-scope Product Class 1 & 2 from automated system CF updates (but still include them in the notification that the CF needs to be looked at)

Design Consideration 3

- Where sites that have been identified as needing CF amendments and no action has been taken by the Registered Shipper the CDSP will attempt to make the CF amendment via a cosmetic exchange

- If unsuccessful, potentially due to ongoing SPA or RGMA activities, we are proposing no further action is taken

- Adding in monitoring and reprocessing would add complexity to the solution and could potentially result in a backlog of CF that keep rejecting

Design Consideration 4

- From a solution perspective, once the notification has been issued and the 30 day period lapsed the CDSP will check to see if the CF amendment is still needed to be carried out

- One consideration for this is surrounding the AQ threshold that should be checked against the MOD rules

- As the window is 30 days there could be a scenario where a new AQ is about to go live when the CDSP comes to do the CF update that could (if the check was done a few days later) resulting in no CF amendment needed

- We are proposing that when we come to check if an update is still needed, we would carry out this by considering any future AQ's that are due to go live, not just the current AQ

- Logic for this would be that if the CDSP carried out the CF amendment (via cosmetic exchange) and then again the following month (as the AQ may have changed) would add in unnecessary asset updates (with CDSP estimate reads) that could restrict future reads from coming, with the risk being increased as RGMA readings cannot be replaced and also restrict potential valid RGMA updates from happening prior to the CDSP cosmetic exchange

Design Consideration 5

- Legal text states that a notification needs to go out to the registered user informing them of any action taken by the CDSP

- Current solution to facilitate this and to reduce the impact on customers, is to use the MBR file containing estimated FINX/OPNX reads for the cosmetic exchange along with the old and new Conversion Factor (Class 3 & 4)

- Do DSG feel this will be sufficient notification that the CDSP has carried out the activity on their behalf?