DSC Delivery Sub-Group

Tuesday 20th September 2022

1b. Previous DSG Meeting Minutes and Action Updates

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

2. Changes in Capture

2a. New Change Proposal – For Initial Overview of the Change

2a. New Change Proposals – For Initial Overview of the Change

- 2a.i - XRN 5561 Reform of Gas Demand Side Response (DSR) Arrangements (Modification 0822)
- 2a.ii - XRN 5556 CMS Rebuild Parent
- 2a.iii - XRN 5556.a First release of CMS Rebuild V1
- 2a.iv - XRN 5554 Allocation of Unidentified Gas Expert (AUGE) Management Independent Review - V1
- 2a.v - XRN 5555 Large Load Reporting Amendment CP

XRN 5561 Reform of Gas Demand Side Response (DSR) Arrangements (Modification 0822)

As part of National Grid's winter preparedness activities, they have reviewed the current *DSR framework and engaged with customers and stakeholders to understand the reasons for the lack of participation and if there are any reforms that could be made which would make the make the scheme more attractive.

In order to have a guaranteed level of response, National Grid are proposing to hold an Invitation to Offer process where Shippers will be invited to post DSR offers and if they are accepted, Shippers will receive an "Option" payment. The receipt of the Option Payment obligates Shippers to post an offer on to the DSR market in the event of it opening following either the issuing of a Gas Balancing Notification (GBN) or a Margins Notice (MN) at D-1.

Therefore, National Grid are proposing the following reforms:

- Introduction of an "Option" or Availability payment
- Introduction of additional penalty charges for Shippers who do not post bids onto the DSR market in accordance with the "business rules" as per UNC modification 0822

*** DSR – Demand Side Response**

XRN 5556 CMS Rebuild Parent

The current CMS system has been in place for many years and needs to be replaced as it is out of support, new customer classes have joined the market and processes have changed, hence making the current solution not fit for the future.

The current CMS system will be rebuilt (the scope being the same contact codes as current CMS with the addition of a new contact code for Supplier theft (SUT). The new solution will take into account customer pain points and reduce customer effort where possible. The system solution will be built, funded and owned by Correla and charged to Xoserve through subscription charges, therefore eliminating the need for DSC customers to source up front investment funding.

XRN 5556.a First release of CMS Rebuild V1

This XRN covers the first release of two contact codes (Shipper MNC - found meters, and SUT - Supplier raised theft). MNC's have historically been managed off line and this release will allow customers to raise MNC's through a standard on line portal, reducing customer effort and increasing transparency. SUT is a new contact type, arising from Mod 0734 whereby theft cases are submitted to the CDSP and then managed through the resolution, resulting in debit adjustments to the relevant Shipper/Supplier and credits to UIG.

XRN 5554 Allocation of Unidentified Gas Expert (AUGE) Management Independent Review - V1

This Change Proposal has been raised to appoint a party to provide an independent assessment of the AUGE's compliance with:

- It's contractual obligations
- The terms of the AUG Framework document
- All relevant UNC obligations

XRN 5555 Large Load Reporting Amendment CP

SGN are looking to expand the detail provided within the current monthly Large Load Site Reports. These additional data items will support the DN RRP Submissions to Ofgem and provide further information to support long term Network modelling.

Some of the sites within this data have multiple meters but the data is currently provided as an aggregated demand. The result of this is before we can use it we have to investigate each site to better understand the actual demand split or make an ‘informed decision’ on what the demand is for the individual MPRN’s and this can add weeks to the process as well as add risk as we may make an error.

SGN are looking at the existing Large Load Reporting, and it has been identified within the current reports that some sites have multiple meters however the report is provided is an aggregated demand.

2b. Change Proposal Initial View Representations

2b. Change Proposal Initial View Representations

- None for this meeting

2c. Undergoing Solution Options Impact Assessment Review

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- 2c.i - XRN 5545 Hydrogen Visualisation Trial Dashboard Requirements

- 2c.ii - XRN 5541 UIG Additional National Data Report

2c.i – XRN 5545 Hydrogen Trial Visualisation Dashboard

XRN5545 – Hydrogen Trial Visualisation Dashboard

Background:

- At the present time industry parties (Distribution Networks, Gas Transporters, Shippers and Suppliers) do not have an overview when there is an update or change, to a Supply Meter Point they are responsible for which is involved in a Hydrogen trial/initiative.

- A solution is required that will allow industry parties to be kept up to date with any changes or impacts to Supply Meter Points, that are taking part in any current or upcoming Hydrogen trials in the form data visualisation. Access to the information will help industry parties to execute specific obligations for each Hydrogen trial/initiatives whilst mitigating impact to end consumers.

Purpose/Ask:

- We would like members of DSG to provide feedback on these **high-level requirements** presented and ask questions or share views you may have.

XRN 5545 - Hydrogen Trial Visualisation Dashboard Requirements

Req. ID	As a.. (role)	I want..	So that..
1	DSC Customer/Non DSC Customer	to see data relating to any hydrogen trials/initiatives I am apart of	I can track Supply Meter Points I am responsible for that are associated to Hydrogen trials/initiatives
2	DSC Customer/Non DSC Customer	to be made aware of any upcoming future Hydrogen trials/initiatives	I can take any appropriate actions to help support trials/initiatives
3	DSC Customer/Non DSC Customer	to be informed when there is any activity (update or change) relating to a Supply Meter Point that I am involved with, in a Hydrogen and blended trials/initiatives	I can take the appropriate action based off the data I receive back
4	DSC Customer/Non DSC Customer	the data being shown in the solution to be as real-time as possible	there is minimal delay in the data that is being provided
5	DSC Customer/Non DSC Customer	the ability to customise and/or create the output of data shown in the solution	I can modify the outputs to satisfy my own specific requirements
6	DSC Customer/Non DSC Customer	the solution to show output in an easy and readable format	Industry parties understand the data the solution is showing
7	DSC Customer/Non DSC Customer	the ability to be able to download source data	I can utilise data and carry out analysis outside of the solution
8	DSC Customer/Non DSC Customer	have high level view of statistics in the solution	they have a quick oversight of data for quick and easy consumption
9	DSC Customer/Non DSC Customer	to be able to identify Supply Meter Points on each individual Hydrogen trials/initiatives	I can target specific initiatives/trials to ensure appropriate actions are undertaken related to a specific solution
10	Supplier	the ability to view a specific Supply Meter Point taking part in Hydrogen trials/initiatives that I am considering becoming the registered supplier for	I can identify Supply Meter Points I may be looking to take on that are taking part in Hydrogen trials/initiatives

2c.ii - XRN 5541 UIG Additional National Data Report

XRN5541 - Amendment to the UIG Additional National Data Reporting

- Change raised by Scottish Power to investigate amending the existing version of the UIG Additional National Data report, to provide the dis-aggregated energy values for each of the four respective End User Category Sub-Bands, as detailed below:
  - Non-Prepayment/Domestic
  - Prepayment/Domestic
  - Non-Prepayment I&C
  - Prepayment I&C

- The key objective is to provide Shipper Users with the correct data in order to validate their UIG allocations

- Customer level requirements have been drafted, reviewed with the proposer, and submitted for impact assessment

XRN5541 – Key Considerations

- The data to be broken down by sub band is that aggregated currently on the Energy By Class tab

- There is an outstanding question as to whether the additional data should be visible on both the weekly and final monthly versions of the report

XRN5541 – Customer Requirements

Req Id.	As a… *(Role)*	I want… *(Requirement)*	So that… *(End Result)*	Acceptance Criteria	Priority *(MoSCoW)*	Commentary
EPIC	Shipper	a breakdown of Unidentified Gas allocated energy by Product Class (PC), by EUC and EUC sub band	the UIG allocations attributed to my organisation can be validated	- Values are published weekly - Energy value breakdown is validated against aggregated value	Must	EUC Sub band is the split of EUC band 01 and 02 into Credit Status/Market Sector i.e. - Non-Prepayment/Domestic (ND) - Non-Prepayment I&C (NI) - Prepayment/Domestic (PD) - Prepayment I&C (PI)
CR1.0	CDSP	to access the UIG allocation energy data at EUC sub band level for bands 01 and 02	it can be extracted in order to publish to Shipper customers	- Data available - Data can be extracted, or downloaded, for use in reporting	Must	
CR1.1	CDSP	to generate a report weekly of UIG allocated energy split by PC/EUC band/EUC sub band for bands 01 and 02	it can be provided to Shipper customers	- Data is displayed in an agreed and dcoumented format	Must	The current report is generated weekly, the generation of this additional data should align to that
CR1.2	CDSP	to validate the UIG allocated energy, split by PC/EUC band/EUC sub band, against the values reported for the PC/EUC band split for bands 01 and 02	assurance is provided that the values are correct	- Validation output to confirm if the sum of PC/EUC band/EUC sub band split is equal to the PC/EUC band split - Result indicators i.e. reason codes or reasons, so results are clear and user friendly	Must	Cross sheet validation exists for the existing UIG allocation report, equivalent validation is expected to be added for this data
CR1.3	CDSP	a defined process to query the results of the validation routine	if there are any discrepancies these can be investigated and resolved	- Local Working Instructions (LWI) are written reflecting the process	Should	Process should align to that already in place for the UIG allocation report
CR1.4	CDSP	to publish the report of allocated energy split by PC/EUC band/EUC sub band for bands 01 and 02	Shipper customers can receive/collect/download the report	- Data is presented via a secure delivery mechanism - All Shippers have access to the same data	Must	
CR1.5	Shipper	to access to the report of allocated energy split by PC/EUC band/EUC sub band for bands 01 and 02	I can utilise the data in my UIG allocation validation process	- Shipper customer can save data - Data is in an agreed format - Data has been validated and is equal to the aggregated view	Must	
CR2.0	Shipper	the report definition and formatting to be published	I can design my own solution to handle the data correctly	- Agreed report definition and format is published and accessible to Shipper Customers (self serve)	Should	
CR3.0	Customer	all existing functional and process input and output, outside of that specified in the requirements, to be unaffected by changes made to meet these objectives	interfaces, not changed to meet the objectives of the change, between external parties and the CDSP are unchanged, reducing the impact on our internal systems and processes	- Changes to functionality and/or process are only made to meet the objectives of the change	Must	Standard requirement to address functionality not consciously impacted by these requirements and that the expectation is that the result of any such functionality or process is unaffected by this change

XRN5541 – Next Steps

- Any comments are welcomed on the customer requirements presented
- The CDSP will continue the initial impact assessments based on them
- Lower-level internal CDSP requirements will be developed to meet the customer requirements
- Solution/Design will be drafted and presented back to industry stakeholders for consultation

2d. Solution Options Impact Assessment Review Completed

2d. Solution Options Impact Assessment Review Completed

- XRN5472 – Creation of a UK Link API to consume daily weather data for Demand Estimation processes

XRN5472 – Creation of a UK Link API to consume daily weather data for Demand Estimation processes

High Level System Solution Impact Assessment

Change Overview

XRN5472: Creation of a UK Link API to consume daily weather data for the Demand Estimation processes

Weather data is used to calculate the Composite Weather Variable (CWV). The CWV is used in demand modelling processes which produce output that supports multiple calculations in the gas industry e.g. NDM Nominations/Allocation which support daily demand attribution in Gemini, AQ calculation, Peak Demand estimation and more. All industry parties rely on all or some of these processes.

The current CDSP Weather Data Service Provider has given notice that it will not be able to support the current mechanism (FTP) of delivering daily weather data (forecasts and observations) to UK Link beyond March 2023. The weather data is delivered from one of their legacy systems which they are phasing out and replacing with APIs.

The change required is to move away from receiving weather data by FTP in a specific file format to 'pulling' the data needed from the Weather Data Service Provider, via APIs, converting the data into a readable format and pulling it into the relevant weather data table in UK Link. The primary benefit of making this change is to maintain the relationship with the current weather data service provider thereby securing the delivery of the CDSP's UNC Section H / DSC obligations associated with the calculation of a daily CWV.

In addition, making this change will move the current process away from an outdated mechanism for transferring/digesting data to a more flexible approach, which will be in line with how many data and technology companies now operate. As a consequence the proposition would also be more attractive to future weather data service providers.

Solution Options

1	**Use Azure Functions to convert and transfer data into UKLink**

Option 1 - High Level Impact Assessment

1 – Use Azure Functions to convert and transfer data into UK Link

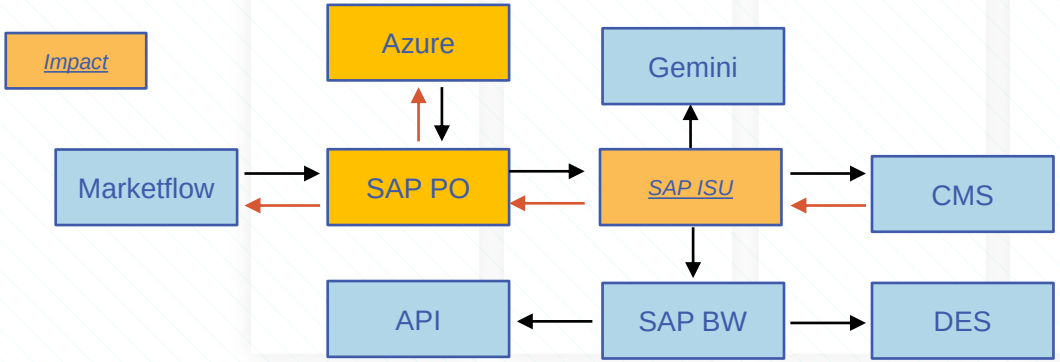
Activities required to be done:

1. Azure Functions:
   - 1.1 Set up API calls for both AWV & FWV values to pick up the data
   - 1.2 Create Azure Functions app
   - 1.3 Create a Storage Account
   - 1.4 Provision the Business Logic into the function
   - 1.5 Conversion of the JSON data to XML / CSV & store in Storage Account
   - 1.6 Open firewall ports
   - 1.7 Whitelist IP addresses
   - 1.8 Clone the resources from UAT to Pre-Production

2. SAP PO:
   - 2.1 PO Interface creation for Polling the file
   - 2.2 Mapping XML to XSD and sending to ISU

3. SAP ISU:
   - 3.1 Creation & Configuration of AHD & FHD Idoc Types
   - 3.2 Immediate Processing Program to store data into the Custom table
   - 3.3 Program to create the FWV & AWV IDocs hourly
   - 3.4 Re-design existing alerting mechanism program to reference the new table.
   - 3.5 New screen for Weather Station amendment

Impacted Systems



Assumptions / Clarifications

- All data will be pulled into Azure where it will be snipped and converted before transfer to SAP PO and consumption within SAP ISU
- Weather data will be stored in ISU with minimal storage in Azure
- No existing SAP ISU functionalities after the AWV & FVW IDoc creation will require any change.
- Scenarios for making Weather Station amendments and for replacing missing weather data catered for
- Market trials are out of scope of this HLSO
- PIS of 1 month is included in the scope of this HLSO
- External communications will be managed by the project team
- Costs may vary during actual delivery depending on changes to requirements, design & testing requirements.
- Penetration testing will be required
- Azure subscription / platform cost tbc (in Detailed Design) but likely to be minimal as amount of data to be stored is low

Overall Impact	Release Type	High Level Cost Estimate
Small	Stand alone	35,000 to 75,000 GBP

Option 1 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Workflow	Data Migration
System Component:	SAP ISU	Azure, SAP PO & SAP ISU	n/a	n/a	n/a	n/a
Impacted Process Areas:	Weather & AQ	Weather & AQ	n/a	n/a	n/a	n/a
Complexity Level (per RICEFW item):	Medium	Medium	n/a	n/a	n/a	n/a
Change Description:	Hourly AWV & FWV IDoc creation	1. Azure development* 2. JSON to .csv/.xml in Storage account to PO 3. PO to ISU in IDoc format	n/a	ISU screen for weather station amendments	n/a	n/a

	ISU	BW	PO	AMT	DES	API
Test Data Prep Complexity:	Low	n/a	Low	n/a	n/a	n/a
Unit and System Test Complexity:	Medium	n/a	Medium	n/a	n/a	n/a
Pen Test Impact:	n/a	n/a	n/a	n/a	n/a	n/a
Regression Testing Coverage:	Low	n/a	n/a	n/a	n/a	n/a
Performance Test Impact:	Low	n/a	Medium	n/a	n/a	n/a
Market Trials:	n/a	n/a	n/a	n/a	n/a	n/a
UAT Complexity:	Medium	n/a	Medium	n/a	n/a	n/a

*Development of Azure Functions including setting up API calls for both AWV & FWV values, create Azure Functions app, create Storage Account, provision the Business Logic into the function, conversion of the JSON data to XML / CSV & store in Storage Account, open firewall ports, whitelist IP addresses, and clone the resources from UAT to Pre-Production to Production

3. Changes in Detailed Design

3a. Requirements Considerations

- None for this meeting

3b. Design Clarification

- 3b.i - XRN 4900 Biomethane Sites with Reduced Propane Injection
- 3b.ii - XRN 5556 Contact Management Service (CMS) Rebuild

2b.i – XRN 4900

Biomethane Sites with Reduced Propane Injection

XRN4900

Biomethane Sites with Reduced Propane Injection

Purpose:

To provide an update on the proposed design for XRN4900 change pack.

Background:

At present, biomethane entry points are required to inject propane to varying contents, so that the energy value of the gas meets the current Local Distribution Zone (LDZ) average daily Calorific Value (Flow Weighted Average Calorific Value or FWACV). Without propane injection, biomethane is a greener source of energy. Adding propane increases carbon emissions as well as increasing the cost.

Removing propane from biomethane will reduce the Calorific Value of gas being supplied to impacted Supply Meter Points. This in turn will see a greater volume of gas passing through the meter to generate the same energy content as natural gas. The first biomethane plant to use the solution, introduced as part of XRN4900, is on SGN's Scotland network; 'Girvan', that currently provides biomethane with propane to a small number of industrial Supply Meter Points (SMP) in Class 1 and Class 2.

XRN4900

Biomethane Sites with Reduced Propane Injection

Proposed Change:

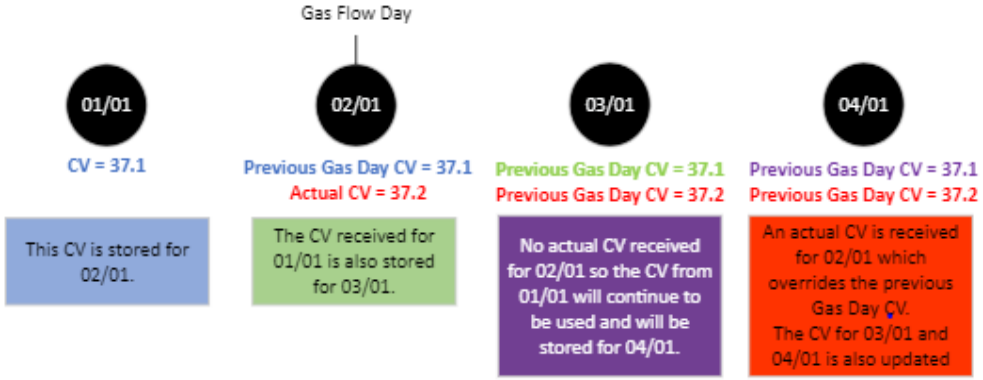
The detailed design change pack for XRN4900 was approved at ChMC in Aug 22. As per the approved design, Supply Meter Points being supplied by Girvan will use the specific CV from Girvan instead of the Flow Weighted Average Calorific Value, for energy calculation. Whenever an actual CV is received within closeout (Gas Flow Day + 1 until Gas Flow Day + 5), any subsequent estimated CV's are also updated.

During Build activities, it was identified that there is a need to change the treatment of updating subsequent estimated CVs when an actual CV is received. The following slides detail the current and proposed design of updating the estimated CV's.

Updating Estimated CV's – Current Design

A CV is required every calendar day to allow processes, including energy calculation, to continue. As some of these processes can occur before we might receive the Girvan CV, we need to use the previous Gas Flow Day CV in the interim.

Within the current design, once we have received an actual CV for a Gas Flow Day within Closeout , any subsequent estimated CV's are updated.



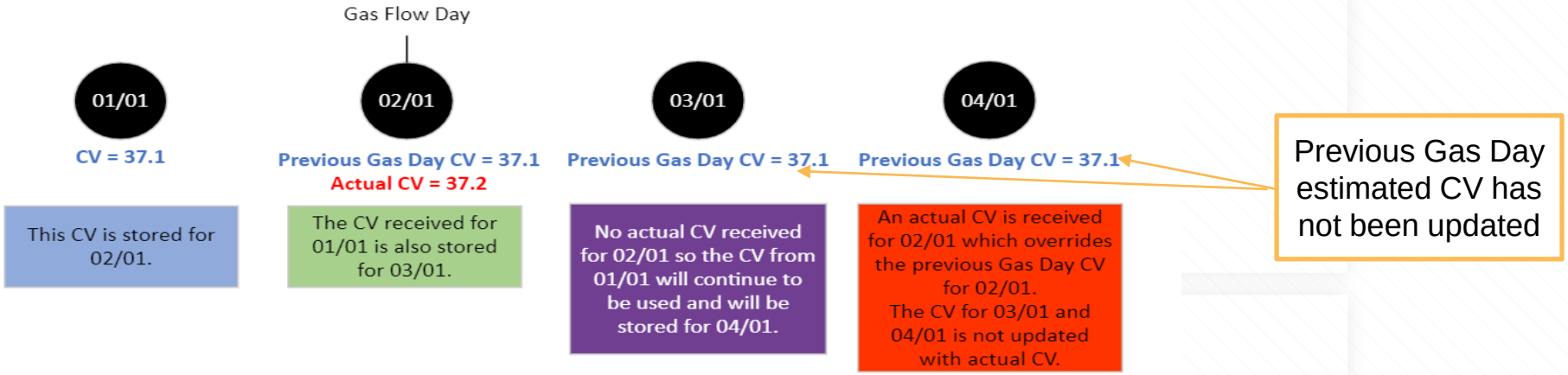
Please note whenever CV value is updated within Closeout, this triggers any energy to be recalculated.

Updating Estimated CV's – Proposed Design

As part of the build activities, it was identified that updating subsequent estimated CV's would result in,

- Performance impacts due to energy being recalculated
- Additional records with the updated estimated CV(s) issued to Shippers
- Different logic that is used in Flow Weighted Average Calorific Value

The proposed design is that an actual CV within closeout should not update any subsequent estimated CVs.



Next Steps

XRN4900 is in scope for Feb 23 Major release

We are aiming to issue a revised detailed design change pack, for information, in Oct 22.

Does anybody have any questions on the proposed design?

3b.ii - Contact Management Service (CMS) Rebuild
XRN5556.B Version 1.1 Duplicate Meter Point Reference Number

Contact Management Service (CMS) Rebuild XRN5556.B Version 1.1 Duplicate Meter Point Reference Number

CMS Rebuild Version 1 is expected to launch in October 2022 with the Shipper Raised Meter Number Creation (MNC) and the Supplier Theft of Gas processes, as discussed in July's change pack.

After the initial launch, an update called Version 1.1 will be released in December 2022, which will include the Duplicate Meter Point Reference Number (MPRN) Process. This process which will allow a Shipper, Distribution Network (DN) or Independent Gas Transporter (IGT) to raise a contact to the Central Data Service Provider (CDSP) to request to remove a MPRN from UK Link as there is another MPRN identifying the same Supply Meter Point (SMP). The new version of CMS and the new business process will resolve many of the existing pain points.

Full details are specified within the Change Pack for Contact Management Service (CMS) Rebuild XRN5556.B Version 1.1 Duplicate Meter Point Reference Number.

4. Release/Project Updates

4. Release/Project Updates

- 4a. FWACV
- 4b. Dec 21 to Apr 22 Changes in Design ChMC February 2022
- 4c. February 23 Major Release

4a. FWACV Progress Update

XRN5231 Flow Weighted Average CV

September 2022 ChMC Dashboard	Overall Project RAG Status		
	Schedule	Risks and Issues	Cost
RAG Status			

Status Justification

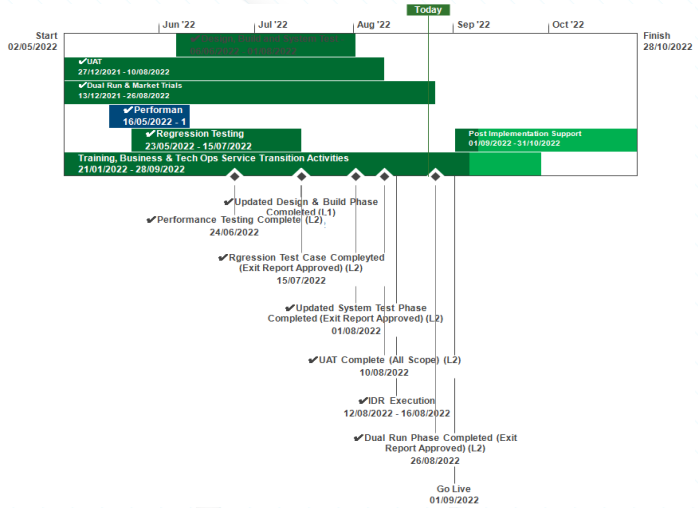
Schedule

Overall RAG status is tracking at **Amber** on basis a revised Go Live date of 1st September 2022 has been agreed, though remains Amber due to lack of contingency within plan and the heavy dependency on NG to deliver all required data ahead of Go-Live.

- Revised Go Live date set for 1st September with contingency date of 14th September
- Dual Run/ Market Trials has been complete
- An Issue was identified as part of Market Trials, interim solution has been agreed and enduring solution identified
- Implementation Dress Rehearsal (IDR) execution for UKLink and Gemini aspects of FWACV have been successful
- Internal Testing phases progressed to plan. UAT, Performance Testing all completed
- Data Migration and Go-live activities are on track, to complete 31st August
- Internal Business Readiness activities continue to progress to plan

Next Steps:

- Complete Go-live on 1st September
- Commence Post Implementation Support phase 1st September



Risks and Issues

There is an issue identified during Market Trails were DN's are unable to process all AO files, this is impacting each DN differently and may impact the planned implementation date.
23/08 update: Cadent & SGN are able to process all AO files, the remaining DN's are able to process most but not all and a report will be run and sent accordingly as an agreed workaround.

Cost

Forecasting costs within approved spend

Scope

XRN5231 Flow Weighted Average (CV)
Gemini consequential change parts A & B - A - PRCMS validation/processing & Part B - LDZ Stock Change and Embedded LDZ Unique Sites

4b. Dec 21 to Apr 22 Changes in Design ChMC
February 2022

Dec 21 - April 22 Changes in Design – Shipper Status Update

XRN Title	Target Detailed Design Date	Risk & Issues / RAG	Cost RAG	Key Messaging
XRN4978 - Notification of Rolling AQ Value (following Transfer of Ownership between M-5 and M)				• Change Pack approved at ChMC on 11/05/22
XRN4990 - Transfer of Sites with Low Read Submission Performance from Class 2 and 3 into Class 4 (MOD 0664)				• Change Pack approved at ChMC on 08/06/22
XRN4992B - MOD 0797 Creation of New Charge to Recover Last resort Supply Payments		Issue ID 67431: There is a issue that Modification 0809S has been raised to include IGT Supply Points into SoLR charging Action: Inclusion of IGT sites in the change for Feb23 release is being assessed		• Change Pack approved at ChMC on 08/06/22
XRN5091 - Deferral of creation of Class change reads at transfer of ownership				• Change Pack approved at ChMC on 13/07/22
XRN5186 – MOD 0701 - Aligning Capacity booking under the UNC and arrangements set out in relevant NEXAs				• Change Pack approved at ChMC on 13/07/22

Dec 21 - April 22 Changes in Design – DN Status Update

XRN Title	Target Detailed Design Date	Risk & Issues / RAG	Cost RAG	Key Messaging
XRN4900 - Biomethane/Propane Reduction				• Change Pack approved at ChMC on 08/06/22
XRN5186 – MOD 0701 - Aligning Capacity booking under the UNC and arrangements set out in relevant NEXAs				• Change Pack approved at ChMC on 13/07/22
XRN5298 - MOD 0799 - H100 Fife Project – Hydrogen Network Trial		Issue ID 67645: The detailed design Change Pack has not be approved as MOD 0799 is still outstanding Action: Accept Issue. Decision was taken at ChMC in July to include into delivery for Feb23 release		• Change Pack baselined for delivery in Feb23 release in July ChMC • Approval of Change Pack expected in September ChMC following approval of MOD 0799

4c. February 23 Major Release

XRN5533 – February 23 Major Release - Status Update

	Overall Project RAG Status		
	Schedule	**Risks and Issues**	**Cost**
RAG Status			

Status Justification

Schedule

Overall release is tracking on target; **Green**, BER has been approved in eChMC on 29/07. Currently in delivery start up / initiation phase, with build phase commenced on 01/08

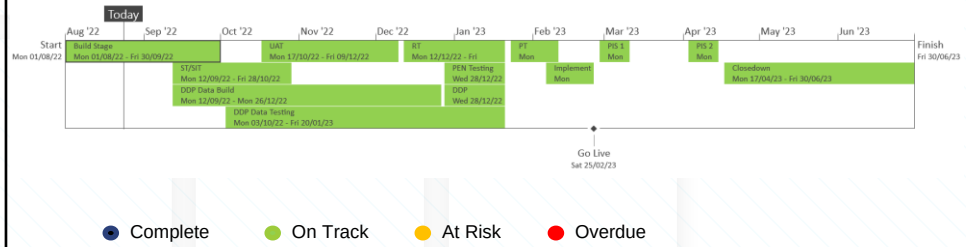
Progress update:

- UK Link build in progress, delivery on track to complete by 30/09
- DDP build for XRN4990 to commence 12/09
- System Testing preparation to commence 12/09
- On track to complete delivery start-up/initiation on 23/09

XRN4900

- DSG Meeting in September to discuss the change to the treatment of updating estimated CVs internally
- This will be followed by a revised Detailed Design Change Pack issued for information only in October
- No impacts to delivery timelines or cost
- No impacts to customer processes

Decision in September ChMC: None



Risks and Issues

XRN5298: There is a risk that UNC Modification 0799 will not be approved, leading to build activities halted and possibly design to be revisited. Mitigation: ChMC approved the change to progress delivery at risk; with the assumption that the MOD will be approved.

Cost

Forecast to complete delivery against approved BER

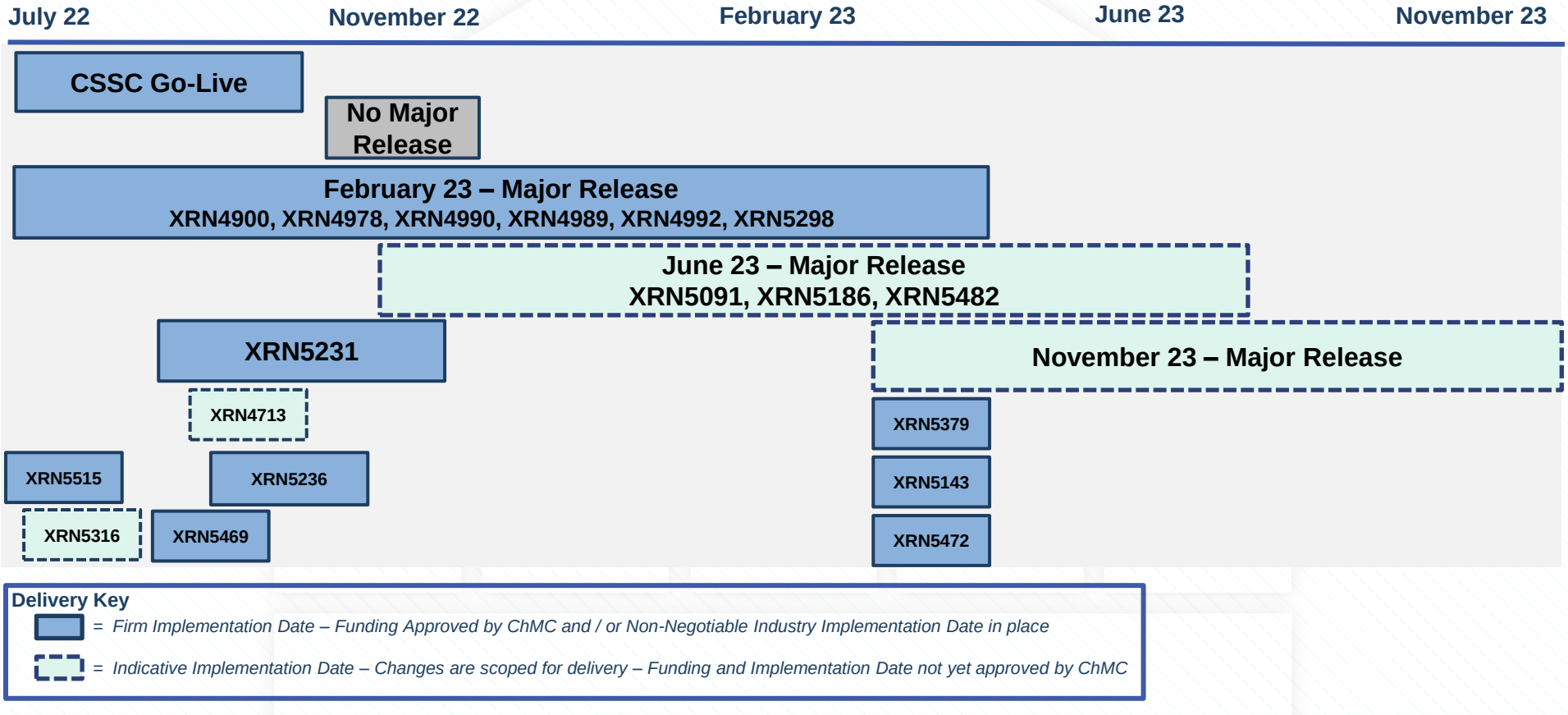
Scope

XRN4900 - Biomethane/Propane Reduction
XRN4978 - Shipper - Notification of Rolling AQ Value
XRN4989B - Residual AMT activities
XRN4990 - MOD0664 – Transfer of Sites with Low Read Submission Performance from Class 2 and 3 into Class 4
XRN4992B - MOD0687 - Clarification of Supplier of Last Resort (SoLR) Cost Recovery Process - Inner for replacement reads and read insertions
XRN5298 - H100 Fife Project – Hydrogen Network Trial

5. Change Pipeline

Change Delivery Pipeline

August 22 – December 23



Change Pipeline - Delivery Plan
July 2022 – February 2023

XRN	Change Title	Proposer	Benefit / Impact	Funding	HLSO Max Cost	Target Implementation Date	Release Type	Firm / Indicative
5515	HyDeploy Close Down	NGN	Shipper DN	DN DeCarb	N/A	18th July 2022	Standalone	Firm
5316	Rejecting Pre LIS Replacement Reads	Xoserve	Shipper	N/A	N/A	September 22	Standalone	Indicative
5469	Increase Frequency of FSG Payments	Cadent	DN	DN	£63.3k	3rd October 22	Standalone	Firm
5231	FWACV Service	SGN	DN NG	DN NG	£1.198m	1st September 22	Standalone	Firm
4713	Actual read following estimated transfer read calculating AQ of 1	Npower	Shipper	Shipper	£7k	October 2022	Standalone	Indicative
5236	Reporting Valid Confirmed Theft of Gas in central systems (Modification 0734)	Gazprom	Shipper	Shipper	Tbc	Oct / Nov 22	CMS Rebuild Release 1	Firm
4900	Biomethane/Propane Reduction	SGN	Shipper DNO	DN Decarb	N/A	25th February 23	Major	Firm
4978	Notification of Rolling AQ Value (following Transfer of Ownership between M-5 and M)	British Gas	Shipper	Shipper	£90.6k	25th February 23	Major	Firm
4990	Transfer of Sites with Low Read Submission Performance from Class 2 and 3 into Class 4 (MOD0664)	SSE	Shipper	Shipper	£232k	25th February 23	Major	Firm
4989	Residual AMT activities	CDSP	Shipper	Shipper	N/A	25th February 23	Major	Firm
4992	XRN4992 - Modification 0687 Clarification of Supplier of Last Resort (SoLR) Cost Recovery Process	Total	Shipper DNO	Shipper DNO	£108.7k	25th February 23	Major	Firm
5298	H100 Fife Project – Hydrogen Network Trial	SGN	Shipper DN	DN Decarb	N/A	25th February 23	Major	Firm

Change Pipeline – Delivery Plan
April 2023 – June 2023

XRN	Change Title	Proposer	Benefit / Impact	Funding	HLSO Max Cost	Target Implementation Date	Release Type	Firm / Indicative
5379	Class 1 Read Service Procurement Exercise - MOD0710 (DM Sampling)	Xoserve	Shipper DN	Shipper	£150k	1st April 23	Standalone	Firm
5143	Transfer of NDM sampling obligations from Cadent, WWU, and NGN to the CDSP	Cadent	DN	DN WWU, Cadent, NGN only	N/A	1st April 23	Standalone	Firm
5472	Creation of a UK Link API to consume daily weather data for Demand Estimation	CDSP	Shipper DN	Shipper DN	Tbc	1st April 23	Standalone	Firm
5091	Deferral of creation of Class change reads at transfer of ownership	EDF	Shipper	Shipper	£200k	June 23	Major	Indicative
5186	MOD0701 - Aligning Capacity booking under the UNC and arrangements set out in relevant NEXAs	NGN	Shipper DN	Shipper DN	£200k	June 23	Major	Indicative
5482	Replacement of reads associated to a meter asset technical details change or update (RGMA)	Scottish Power	Shipper	Shipper	Tbc	June 23	Major	Indicative

Change Backlog Details

XRN	Change Title	Proposer	Benefit / Impact	Funding	HLSO Max Cost	Target Implementation Date	Release Type	Firm / Indicative
4914	Mod0651 – Retrospective Data Update Provisions	Cadent	Shipper	Tbc	£1.8m – £2.4m	Tbc	Major	N/A
5144	Enabling Re-assignment of Supplier Short Codes to Implement Supplier of Last Resort Directions	Xoserve	Shipper DN IGT	Tbc	Tbc	Tbc	Tbc	N/A
5187	MOD0696 - Addressing inequities between Capacity booking under the UNC and arrangements set out in relevant NExAs	Gazprom	Shipper DN	Shipper DN	Tbc	Tbc	Tbc	N/A
5286	Clarification Change to the AQ amendment process to be applied retrospectively (MO0746)	CDSP	Shipper DN	Shipper	Tbc	Tbc	Tbc	N/A
5345	Deferral of creation of Class change reads for DM to NDM and NDM to DM sites at Transfer	CDSP	Xoserve	Shipper	Tbc	Tbc	Tbc	N/A
5453	GSOS 2, 3 & 13 Payment Automation	SGN	Shipper DN	DN	Tbc	Tbc	Tbc	N/A
5454	SoLR Reporting Suite	EDF	Shipper	Shipper	Tbc	Tbc	Tbc	N/A
5471	DSC Core Customer Access to Data	CDSP	Shipper DN IGT	IGT Shipper DN	Tbc	Tbc	Tbc	N/A
5473	Meter Asset Details Proactive Management Service	CDSP	Shipper	Shipper	Tbc	Tbc	Tbc	N/A
5517	Hydrogen Checker Website	Cadent	Shipper DN	DN	Tbc	Tbc	Tbc	N/A

Change Backlog Details - Continued

XRN	Change Title	Proposer	Benefit / Impact	Funding	HLSO Max Cost	Target Implementation Date	Release Type	Firm / Indicative
5529	UNC Derogation Process – Mod 0800	NGN	DN IGT Shipper NGT	DN Decarb	Tbc	Tbc	Tbc	N/A
5531	Hydrogen Village Trial	SGN	DN IGT Shipper NGT	DN Decarb	Tbc	Tbc	Tbc	N/A
5532	Hydrogen Town Trial	WWU	DN IGT Shipper NGT	DN Decarb	Tbc	Tbc	Tbc	N/A
5535	Processing of CSS Switch Requests Received in 'Time Period 5'	Xoserve	DN IGT Shipper NGT	Shipper	Tbc	Tbc	Tbc	N/A
5541	Amendments to the UIG Additional National Data Reporting	Scottish Power	Shipper	Shipper	Tbc	Tbc	Tbc	N/A
5545	Hydrogen Trial Visualisation Dashboard	Northern Gas	DN IGT NGT Shipper	DN Decarb	Tbc	Tbc	Tbc	N/A
5546	Resolution of Address Interactions between DCC and CDSP	Xoserve	DN IGT Shipper	Shipper	Tbc	Tbc	Tbc	N/A
5547	Updating the Comprehensive Invoice Master List and INV template	Eon	Shipper DN	Shipper	Tbc	February 2023	Tbc	Indicative

6. AOB

Annex – For Information

7. DSC Change Management Committee Update

ChMC 07.09.22 Meeting

Change Management Committee Update – 7th September 2022

Microsoft Edge
PDF Document

8. DSG Defect Summary

DSG

Defect Summary

Defect Summary Stats

Stats as per RTC extract taken on Thru 8th September 2022 at 1:30 pm

Defect Landscape (Open/Closed vrs PGL/New)

	PGL Defects						Newly Discovered Defects							
	D1	D2	D3	D4	D5	TOTAL	D1	D2	D3	D4	D5	Not Set	TOTAL	GRAND RELEASE TOTALS
Urgent Fix (D1/D2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
r7.31	0	0	0	0	0	0	0	0	0	4	0	0	4	4
r7.32	0	0	0	0	0	0	0	0	0	8	0	0	8	8
On Hold	0	0	0	0	0	0	0	0	0	7	0	0	7	7
Requires CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3	60	2	20	85	85
TOTAL OPEN	0	0	0	0	0	0	0	0	3	79	2	20	104	104
Resolved	0	7	34	81	16	138	9	227	599	663	27	18	1543	1681
Fix Deployed - Pending Data Correction	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL CLOSED	0	7	34	81	16	138	9	227	599	663	27	18	1543	1681
GRAND TOTAL	0	7	34	81	16	138	9	227	602	742	29	38	1647	1785

No defects has been deployed during 1th August till 31th August

- We have not deployed the defects in August-2022 we needed approval from CSSC team before deployment to production.

Amendment Invoice Impacting Defects - Open

Open Amendment Invoice Impacting Defects			
Defect ID	**Status**	**Primary Business Process**	**Description**
66624	UAT Assurance	READS - Reconciliation Process	(Priority Medium) When Shipper transfer is performed for a Prime site on D date and read is submitted by the outgoing shipper on D-1 day, the read is incorrectly loaded as an ACTIVE read
66623	DRS completed	READS - Read upload (NDM)	(Priority Medium)In Class 4 Prime-sub sites, When Shipper transfer is performed for sub site on D date followed by loading an actual read through read submission(RD1) file ,within transfer window(D to D+5), the transfer read estimation is not getting triggered
66584	Awaiting CAB	READS - Reconciliation Process	(Priority Medium) MR15 exceptions are created incorrectly when class change estimated reads (loaded during class change from 3 to 4) are replaced, while the next read is already present in class 4 period
66429	Awaiting CAB	READS - Reconciliation Process	(Priority Medium) SAP- For class 4 sites two variances are getting generated on the end of the month after rec

Amendment Invoice Impacting Defects - Open

Open Amendment Invoice Impacting Defects			
Defect ID	**Status**	**Primary Business Process**	**Description**
68376	Assigned	RGMA - READS - Read upload (NDM)	(Priority High) UKLP: SAP: RGMA: Volume and energy populated incorrect for RGMA final read
68374	Assigned	READS - Read upload (NDM)	(Priority Medium)In Class 4 Prime-sub sites, When Shipper transfer is performed for sub site on D date followed by loading an actual read through read submission(RD1) file ,within transfer window(D to D+5), the transfer read estimation is not getting triggered
68370	Assigned	READS - Read upload (NDM)	(Priority - High) CSSC defect 68141 - LD01 resolution process does not work when switch involves class change from 4 to 3
68344	DRS In Progress	READS - Read upload (NDM)	(Priority High) REC flag is immediately updated after uploading a Replacement read on class 3 start date (class change from class 2 to class 3)

Amendment Invoice Impacting Defects - Open

Open Amendment Invoice Impacting Defects			
Defect ID	**Status**	**Primary Business Process**	**Description**
68343	DRS In Progress	RGMA - READS - Read upload (NDM)	(Priority - High) Effective TTZ is not getting calculated correctly for NDM prime sites as per XRN5072 logic.
68340	DRS In Progress	READS - Read upload (NDM)	(Priority - High) Incorrect volume/energy is populated for FINX read loaded after estimated transfer reads due to the last actual read being an inserted/replaced actual read
68266	DRS Completed	READS - Read upload (NDM)	(Priority - High) \Duplicate site visit read is being accepted for same date in NDM sites causing the original site visit read with correct volume/energy to be set to inactive
68180	DRS Completed	READS - Read upload (NDM)	(Priority - High) Incorrect volume calculation for class 3 sites between class change date and first cyclic read received post class change to class 3 for Meter-Corrector sites

Amendment Invoice Impacting Defects - Open

68342	DRS In Progress	READS - Read upload (NDM)	(Priority High) Reads under EUC band are processed in incorrect manner for Class 3 prime sites
67319	Ready for Internal Testing	RGMA - READS - Read upload (DM)	(Priority High) When a Site Visit read is inserted between 2 actual reads in DM sites, the Site Visit read insert is not populating next read date in SFN table
64731	UAT Phased Assurance	RGMA - Asset Updates	(High Priority) SAP - RGMA: Transfer reads created incorrectly as non-opening read instead of opening & closing read. Rec and billing impact for Class 4 sites.
63690	Fix In Progress	READS - Read upload (DM)	(Medium priority) - Issue with the Class change re-estimation; whenever the previous Class is either Class 3 or 4, and the Read is received in the Class 2 period, the Class change estimated Read on the Class 2 start date does not get updated
67274	Ready for Internal Testing	READS - Consumption adjustment	(Priority Low) In class 4 site CA is not getting applied from CMS end for one day and In class 2 site CA is not getting applied where adjustment end date is Shipper end date.

Amendment Invoice Impacting Defects - Open

67938	UAT Execution	READS - Read upload (NDM)	(Priority High) Incorrect volume/energy is calculated for actual read loaded after estimated transfer read due to the last actual read on the site being an inserted actual read
68059	DRS In Progress	READS - Read upload (NDM)	(Priority Medium) Auto-resolution of LD01 exception fails for prime sites when Shipper transfer occurs on D date and LDZ change occurs on D-1 date

9. Portfolio Delivery

9. Portfolio Delivery Overview POAP

- The POAP is available here.