DSC Change Proposal Document

Customers to fill out all of the information in the sections coloured 🟧
Xoserve to fill out all of the information in the sections coloured 🟦

A1: General Details

Change Reference:	XRN 5188			
Change Title:	Interim Data Loads of MAP Id into UK Link			
Date Raised:	03/06/2020			
Sponsor Representative Details:	Organisation:	Xoserve		
	Name:	David Addison		
	Email:	david.addison@xoserve.com		
	Telephone:	01212292138		
Xoserve Representative Details:	Name:	Simon Harris		
	Email:	simon.harris@xoserve.com		
	Telephone:	01212292642		
	Business Owner:			
Change Status:	☐ Proposal	☐ With DSG	☐ Out for Review	
	☐ Voting	☒ Approved	☐ Rejected	

A2: Impacted Parties

Customer Class(es):	☒ Shipper	☐ Distribution Network Operator
	☐ NG Transmission	☐ IGT
	☐ All	☒ Other [Meter Asset Providers (MAPs)]
Justification for Customer Class(es) selection	Meter Asset Providers will be the source of the information to load into UKL (as per agreement at ChMC). Shippers are impacted as data they have provided via RGMA flows may be overridden depending on the rules to be applied to the existing data. Rules to be developed and agreed.	

A3: Proposer Requirements / Final (redlined) Change

Problem Statement:	Additional data loads of MAP Id into CDSP systems is required as an interim measure to ensure the integrity of the data item until the enduring solution is in place to maintain this data item (as part of XRN4780-C).
Change Description:	XRN4780-B was part of June-2020 Major Release and was looking to load, on mass, MAP Id data into UK Link to support CSS. XRN4780-C is the enduring solution for obtaining MAP Id into CDSP Systems, provided by the Meter Asset Managers (MAMs), and is currently in scope of CSSC delivery in November-2021. Multiple data loads of MAP Id into UK Link is needed to ensure the integrity of the data item post June-2020 and up until the enduring solution is implemented. This is due to the existing RGMA rules blanking out MAP Id in specific scenarios and the Shipper not providing the appropriate MAP Id data item within the RGMA files. For the enduring solution, MAMs will be providing MAP Id to supplement Shipper provided data, however this will not be the case until XRN4780-C is implemented.
Proposed Release:	AdHoc (multiple)

Proposed Consultation Period:	☒ 10 Working Days	☐ 15 Working Days
	☐ 20 Working Days	☐ Other [Specify here]

A4: Benefits and Justification

Benefit Description:	Integrity of MAP Id data item is maintained within the CDSP systems post June-2020, aiding in reporting and issue resolution. *What, if any, are the tangible benefits of introducing this change? What, if any, are the intangible benefits of introducing this change?*
Benefit Realisation:	Immediately post data loads *When are the benefits of the change likely to be realised?*
Benefit Dependencies:	Data being provided by the MAPs *Please detail any dependencies that would be outside the scope of the change, this could be reliance on another delivery, reliance on some other event that the projects has not got direct control of.*

A5: Final Delivery Sub-Group (DSG) Recommendations – Removed

(see Section C for DSG recommendations)

A6: Service Lines and Funding

Service Line(s) Impacted - New or existing	DSC Service Area 1: Manage Supply Point Registration		
Level of Impact	Major/ Minor/ Unclear/ None		
If None please give justification			
Impacts on UK Link Manual/ Data Permissions Matrix			
Level of Impact	Major/ Minor/ Unclear/ None		
If None please give justification			
Funding Classes:	Customer Classes/ Funding	Delivery of Change	On-going Budget Amendment
	☒ Shipper	100 %	100 %
	☐ National Grid Transmission	XX %	XX %
	☐ Distribution Network Operator	XX %	XX %
	☐ IGT	XX %	XX %
	☐ Other <please specify>	XX %	XX %
ROM or funding details:			
Funding Comments:			

A7: ChMC Recommendation – Initial Review

Change Status:	☒ Approve	☐ Reject	☐ Defer
DSC Consultation Issue:	☐ Yes		☒ No

A7: ChMC Recommendation – Solution Review

Change Status:	☒ Approve	☐ Reject	☐ Defer
Industry Consultation:	☒ 10 Working Days		☐ 15 Working Days
	☐ 20 Working Days		☐ Other [Specify Here]
DSC Consultation Issue:	☒ Yes		☐ No
Date Issued:	12/04/2021		
Comms Ref(s):	2808.5 – MT - PO		

Number of Responses:	1 approval		
Solution Voting:	☒ Shipper	Approve	
	☐ National Grid Transmission	Please select.	
	☐ Distribution Network Operator	Please select.	
	☐ IGT	Please select.	
Meeting Date:	12/05/2021		
Release Date:	Release: MiR10 & MiR11		

A8: ChMC Recommendation – Detailed Design

Change Status:	☒ Approve	☐ Reject	☐ Defer	
Industry Consultation:	☒ 10 Working Days		☐ 15 Working Days	
	☐ 20 Working Days		☐ Other [Specify Here]	
DSC Consultation Issue:	☒ Yes		☐ No	
Date Issued:	14/06/2021			
Comms Ref(s):	2839.2 - RT - PO			
Number of Responses:	2 approval representations			
Solution Voting:	☒ Shipper		Approve	
	☐ National Grid Transmission		Please select.	
	☐ Distribution Network Operator		Please select.	
	☐ IGT		Please select.	
Meeting Date:	07/07/2021			
Release Date:	Release: MiR10			

Section C: DSG Discussion

C1: Delivery Sub-Group (DSG) Recommendations

(To be removed if no DSG Discussion is required; Xoserve to collate where DSG discussions occur)

DSG Date:	27/07/2020
DSG Summary:	Simon Harris (SH) presented this agenda item. SH provided background explaining that MAP id enduring solution (XRN4780C), which looked at maintenance of MAP Id which was planned for November 2020 Major Release. This has however been descoped and proposed for Jun-2021 Major release. This change has been raised to look into carrying these activities. SH added that the solution which was built part of Jun-2020 will be re-used but with a review of the rules/scenarios as these may not be fit for purpose. Furthermore, additional reporting and outback to the submitting party will also be revisited. SH also added that a view on how existing data will be affected and how this is communicated to appropriate stakeholders will be taken into consideration. The working assumptions stated by SH are: - It is thought that the source of this information will continue to be the Meter Asset Providers (MAPs) - Any data provided that successfully passes validation will replace data already loaded into UK Link (inc RGMA provided MAP Id) SH asked DSG if they are ok with the working assumptions and if there are any specific scenarios or requirements industry parties feel need to be considered. DSG agreed to move forward into Capture with the working assumptions. There are quite a few assumptions being applied to this change taking into account June.
Capture Document / Requirements:	<Insert where appropriate>
DSG Recommendation:	☐ Approve ☐ Reject ☐ Defer
DSG Recommended Release:	Release: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY

DSG Date:	23/11/2020
DSG Summary:	Simon Harris (SH) went through the slides in relation to XRN5188 which covered the background of this change and the working assumptions currently being progressed with through capture. SH explained that the scope of this is to utilise the solution created under XRN4780B and that the same rules apply for any interim loads. SH asked if DSG had any objections with any of these? The final requirements for this change (to move forward into HLSO) have been completed however we are waiting to see the outcome of the mass population being carried out under XRN4780B (December-20) to see if any changes are needed to be incorporated with scope of this change. Once this has been completed, we'll look to bring this change back to DSG for completeness to ratify full scope. EL asked that the population of

CP_V7.0	MAP Id was meant to be delivered under XRN4780B, this was delayed, and if 5188 was raised instead of this. PO explained that XRN5188 was raised to plug the gap between XRN4780B and 4780C being implemented to assist in maintaining the MAP Id data item to a high standard.
Capture Document / Requirements:	\<Insert where appropriate\>
DSG Recommendation:	☐ Approve ☐ Reject ☐ Defer
DSG Recommended Release:	Release: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY

DSG Date:	26/04/2021
DSG Summary:	SH presented this agenda item. SH provided a background for this Change Pack. SH stated there is only one option available for this change. Option 1: Utilise the solution and process created for XRN4780-B to perform delta migration for MAP Id into UK Link system General considerations for customer to note involve the following: As per discussions with DSG on the 23rd November 2020 any data provided by the MAPs and subsequently are candidates for updating the MAP Id will override existing data held on the Supply Point Register, even if it was provided via Shippers during BAU processes. Data provided for the purpose of XRN5188 are to again be given to the CDSP by all active Meter Asset Providers and engagement with these parties to commence in line with the agreed implementation timelines. PP asked if the population of MAP Id will involve the full sweep or just identifying the missing MAP items. SH stated it will be the full sweep being completed as the aim is to engage with MAPs and try to get more involved with this process. Overall Impact of this option is Low and impacts SAP ISU. This has been recommended for a Minor Release with a high level cost estimate of £15k-£20k. It is also the intention to carry this XRN out in a number of Minor Releases between now and November-21 (implementation of XRN4780-C).
Capture Document / Requirements:	<Insert where appropriate>
DSG Recommendation:	☐ Approve ☐ Reject ☐ Defer
DSG Recommended Release:	Release: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY

DSG Date:	21/06/2021
DSG Summary:	SH presented this agenda item. SH added that this Change solution is very similar to previously presented and discussed. However there is a slight tweak to the solution where it was treating the meter serial number as case sensitive in UK Link, causing a mismatch. To confirm, SH stated the only change to this solution is the tweak that will be made to account for the meter serial number mismatch, everything else will remain the same as previous load with MAPs getting 3 output reports and exclusion reports. They will also receive a conflict report, which provides MAPs a list of MPRNs and asset information which conflict with other MAPs who are filing for those as well.
Capture Document / Requirements:	<Insert where appropriate>
DSG Recommendation:	☐ Approve	☐ Reject	☐ Defer
DSG Recommended Release:	Release: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY

Section D: High Level Solution Options

D1: Solution Options

Solution Option Summary:	This Solution Option Change Pack relates to XRN5188 - Interim Data Loads of MAP Id into UK Link, link to the Change Proposal can be found here. **Background** XRN4780-B was implemented as part of June-2020 Major Release and loaded, on mass, MAP Id data into the Supply Point Register to support CSS. Within this change a solution was created to take MAP Id data (provided directly from MAPs themselves), validate/assure it and load into the Supply Point Register where appropriate, along with providing reporting to MAPs of the successful & unsuccessful records (including reasoning). As it currently stands, MAP Id data item can only be populated/maintained within the Supply Point Register via RGMA flows received via the Shipper, where it is an optional data item. Provision of MAP Id via the RGMA flows from the Shippers, and how RGMA logic works in relation to rolling over existing MAP Ids, is resulting in a degradation of MAP Id held within the Supply Point Register (analysis illustrates this to be circa 1.2k Supply Points per day).

| | XRN4780-C is the enduring solution for maintaining the MAP Id data item within the Supply Point Register and associated CDSP Systems. Data for this process will be provided by the Meter Asset Managers (MAMs) to subsidise the data being passed to the CDSP by Shippers and is currently in scope of CSSC delivery in November-2021.

It has been identified that to address the degradation of data, multiple data loads of MAP Id would be beneficial and should be planned to be carried out into the Supply Point Register. This is to ensure the integrity of the MAP Id data item is maintained post June-2020 up until the enduring solution is implemented as part of November-2021.

Change/Solution Overview

There is only one solution that is being considered for XRN5188 – this is to reapply the solution and process created for XRN4780-B as part of June 2020 major release- to carry out a refresh of MAP Id data held in the Supply Point Register.

Please Note: The HLSO provided for review & approval is for a single processing of the solution/activities needed to carry out a delta load of MAP Id into the Supply Point Register. It is expected that multiple runs of this will be carried out (proposed MiR10 & MiR11) prior to implementation of XRN4780-C.

Solution Option 1: Utilise the solution and process created for XRN4780-B to perform delta migration for MAP Id into UK Link system.

General Considerations

As per discussions with DSG on the 23rd November 2020 any data provided by the MAPs and subsequently are candidates for updating the MAP Id will override existing data held on the Supply Point Register, even if it was provided via Shippers during BAU processes.

Data provided for the purpose of XRN5188 are to again be given to the CDSP by all active Meter Asset Providers and engagement with these parties to commence in line with the agreed implementation timelines.

High Level Solution Option

For reference please see attached **HLSO for XRN5188.** |
|---|---|
| Implementation Date for this Solution Option: | Multiple: MiR10 & MiR11 |
| Xoserve preferred option: (including rationale) | N/A |

DSG preferred solution option: (including rationale)	N/A
Consultation closeout:	26/04/2021

Section E: Industry Response Solution Options Review

E1: Organisation's preferred solution option

User Contact Details:	Organisation:	CMAP
	Name:	Lynne Hargrave
	Email:	Lynne.hargrave@calvincapital.com
	Telephone:	07741907437
Organisation's preferred solution option, including rationale taking into account costs, risks, resource etc.	Option 1 It is essential that additional data loads of MAP ID into CDSP take place as soon as possible. Additional data loads will reverse data degradation experienced since the initial data load was carried out in December 2020. Interim loads will also enable the loading of new data into CDSP to cover the significant volume of new meters installed under the SMIP since MAPS provided their data in October 2020 for the initial data load. It is unacceptable for no additional data loads to be carried out until the enduring solution proposed under XRN4780C is implemented as we believe that the level of data degradation over the period from October 2020 to enduring solution implementation will be unacceptable and would totally undermines the accuracy of the MAP ID data field and leading to a lack of confidence in the MAP ID data held by the CDSP.	
Implementation Date:	N/A	
Xoserve preferred solution option:	N/A	
DSG preferred solution option:	N/A	
Publication of consultation response:	N/A	

E2: Xoserve' s Response

Xoserve Response to Organisations Comments:	Thank you for your response to the Solution Option Change Pack for XRN5188, your points have been noted for presentation at the ChMC on the 12th May 2021 to discuss and seek approval to move forward with Solution Option 1 into delivery.

Section F: Approved Solution Option

F1: Approved Solution Option

XRN Reference:	XRN5188
Solution Details:	Option 1 Utilise the solution and process created for XRN4780-B to perform delta migration for MAP Id into UKLink system SAP IS-U: • The existing MAP Id migration program ZD_MIG_MAPID will be utilised to validate the records from application server and then maintain the MAP details in custom device table. • Code amendments in existing program (class ZCL_D_MIGRATE_MAPID_PROCESSING) to ensure validation check is not case sensitive w
Implementation Date:	MiR10 & MiR11 Date TBC
Approved By:	ChMC
Date of Approval:	12/05/2021

Section G: Change Pack

G1: Communication Detail

Comm Reference:	2839.2 - RT - PO
Comm Title:	XRN5188 - Interim Data Loads of MAP Id into UK Link
Comm Date:	14/06/2021

G2: Change Representation

Action Required:	For representation
Close Out Date:	28/06/2021

G3: Change Detail

Xoserve Reference Number:	XRN5188
Change Class:	Data Migration Activity
ChMC Constituency Impacted:	None
Change Owner:	Simon Harris Service Development Specialist simon.harris@xoserve.com 0121 229 2642
Background and Context:	This change was raised to ensure that MAP Id data within UK Link is maintained to a high standard prior to the enduring solution (XRN4780-C) being implemented. This allows the CDSP to continue to provide services to MAPs that are as accurate as possible. To try and ensure data integrity, multiple data loads of MAP Id into UK Link are expected before the enduring solution (XRN4780-C) is implemented. Delivery of XRN4780-B, in the June-2020 Major Release uploaded MAP Id data, on mass, into UK Link to support CSS testing activities, delivery of XRN4780-C is scheduled to align to November 2021 major release but is being progressed via CSSC. This is the enduring solution for obtaining MAP Id into CDSP Systems, to be provided to the CDSP by the Meter Asset Managers (MAMs). Existing RGMA rules end date MAP Id within UK Link in specific scenarios (analysis illustrates this to be circa 1.2k Supply Points per day) and the Shippers are not, in great numbers, consistently providing the appropriate MAP Id data item within the RGMA files. For the enduring solution, MAMs will be providing MAP Id to supplement Shipper provided data, however this will not be the case until XRN4780-C is implemented.

	As part of XRN5188 the existing MAP Id migration process created for XRN4780-B will be utilised to update the MAP Id received from the MAPs. The migration program will need to be amended to ensure that it meets the CDSP's requirements following completion of XRN4780-B.

G4: Change Impact Assessment Dashboard (UK Link)

Functional:	Data Migration
Non-Functional:	None
Application:	SAP ISU
User(s):	Meter Asset Providers (non-DSC)
Documentation:	None
Other:	N/A

Files				
File	Parent Record	Record	Data Attribute	Hierarchy or Format Agreed
N/A	N/A	N/A	N/A	N/A

G5: Change Design Description

The solution approved at ChMC for this change is to utilise the solution and process created for XRN4780-B to perform delta migration for MAP Id into UK Link system.

SAP IS-U Changes:

The existing MAP Id migration program ZD_MIG_MAPID was, during the execution of XRN4780-B, causing exceptions when MSN in MAP .CSV files is the same as the MSN recorded in SAP, but cases of the characters are not matching. This was mitigated in XRN4780-B as part of the load activities, but a code amendment is needed to be carried out to ensure the MSN check is not case sensitive and no remedial activities are needed.

MAP Id Load into UKLink System

Data migration jobs developed as part of XRN4780-B will be utilised for loading the MAP Id provided in files received from MAPs.

For the mass population of MAP Id, the data provided will be subject to validation. In order for a MAP to be recorded in UK Link systems both the provided Meter Point Reference Number (MPRN) and full Meter Serial Number (MSN) needs to match on the detail held in UK Link systems, otherwise the MAP Id shall not be recorded for that Meter Asset. Where multiple Meter Asset Providers include the same MPRN, and both provide the MSN that accords with UK Link systems, then neither MAP shall be populated for that Meter Asset.

The CDSP will, as before, provide all participating MAPs with outputs informing them of the failed/accepted records and reasoning behind the failure, and in the case of multiple MAPs vying for the same MPRN/MSN, who the other MAP(s) is.

General Considerations

As per discussions with DSG on the 23rd November 2020 any data provided by the MAPs and subsequently are candidates for updating the MAP Id, the MAP Id will override existing data held on the Supply Point Register, even if it was provided via Shippers during BAU processes.

Data provided for the purpose of XRN5188 are to again be given to the CDSP by all active Meter Asset Providers and engagement with these parties to commence in line with the agreed implementation timelines.

G6: Associated Changes

Associated Change(s) and Title(s):	**XRN4780 Part A:** - Inclusion of Meter Asset Provider Identity (MAP Id) in the UK Link system (CSS Consequential Change) - Part A of this Change was implemented as part of **Minor Release Drop 4** **XRN4780 Part B:** - Inclusion of Meter Asset Provider Identity (MAP Id) in the UK Link system (CSS Consequential Change) - Part B of this Change was implemented as part of **June 2020 Major Release** **XRN4780 Part C:** - Inclusion of Meter Asset Provider Identity (MAP Id) in the UK Link system (CSS Consequential Change) - Part C is a CSSC deliverable, proposed implementation date to be in line with **November 2021 major release**

G7: DSG

Target DSG discussion date:	21/06/2021
Any further information:	N/A

G8: Implementation

Target Release:	MiR10
Status:	For Approval

Section H: Representation Response

H1: Change Representation

(To be completed by User and returned for response)

User Contact Details:	Organisation:	EDF
	Name:	Eleanor Laurence
	Email:	eleanor.laurence@edfenergy.com
	Telephone:	07875117771
Representation Status:	Approve	
Representation Publication:	Publish	
Representation Comments:	None	
Confirm Target Release Date?	Yes	«h1_userDataAlternative»

H1: Xoserve's Response

| Xoserve Response to Organisations Comments: | Thank you for your representation, we will feed this into ChMC for a final decision. |

Please send the completed representation response to uklink@xoserve.com

H1: Change Representation

(To be completed by User and returned for response)

User Contact Details:	Organisation:	Scottish Power
	Name:	Helen Bevan
	Email:	Helen.Bevan@scottishpower.com
	Telephone:	01416145517

Representation Status:	Approve
Representation Publication:	Publish
Representation Comments:	I have raised previously at DSG in relation to whether the Shippers are able to supply MAP data in absence of any MAPs not taking part. Also I think the issue needs to be raised with the MAMs to ensure that they are supplying the MAP ID within their ONJOBs/ONUPDs as currently not all do, or are willing to do so.
Confirm Target Release Date?	Yes «h1_userDataAlternative»

H1: Xoserve's Response

Xoserve Response to Organisations Comments:	Thank you for your representation, we will feed this into ChMC for a final decision.

Regarding the points raised, Xoserve have raised an issue paper in SPAA that is to be discussed at the next SEG meeting on the 7th July. This highlights the potential issues surrounding the passing of MAP Id between industry parties with a view to discuss potential ways forward, however it is encouraged that you raise your concerns directly with the respective MAMs. In relation to taking the MAP Id data for XRN5188 from the Shippers, unfortunately this is not within scope of the solution as per ChMC solution option change pack approval (re-use solution built for XRN4780-B). |

Please send the completed representation response to uklink@xoserve.com

Version Control

Document

Version	Status	Date	Author(s)	Remarks
1.0	With DSG	09/07/2020	Rachel Taggart	Updated with the outcome from ChMC on 08/07/2020
2.0	With DSG	04/08/2020	Chan Singh	Updated with discussions from DSG 27th July 2020
3.0	With DSG	02/12/2020	Chan Singh	Updated CP with discussions from DSG 23rd November 2020
4.0	With DSG	10/03/2021	Xoserve	Change description amended by Customer Change Lead
5.0	Approval	05/05/2021	Megan Troth	Updated with Solution Option Change Pack (Issued in April 2021)

6.0	With DSG	05/05/2021	Chan Singh	Updated CP with discussions from DSG 26th April 2021
7.0	Approved	13/05/2021	Rachel Taggart	Updated with the solution option outcome from ChMC on 12/05/21
8.0	With DSG	02/07/2021	Chan Singh	CP updated with discussions from DSG 21st June 2021
9.0	Approved	13/05/2021	Rachel Taggart	Design Change Pack and reps added Updated with the outcome from ChMC on 07/07/21