

N21 Delivery Scope

CSSC Impact Assessment

Introduction

CSS is due to be implemented in 2022 and Ofgem have stated that any system changes implemented prior to this must not put the CSS implementation at risk.

In January it was agreed at ChMC to proceed with a November 21 release until the end of detailed design and to include an impact assessment against CSS, which has now been completed.

The following slides contain the outcome of the assessment including Correla's scoping recommendations for the November 21 Major Release that will protect CSS.

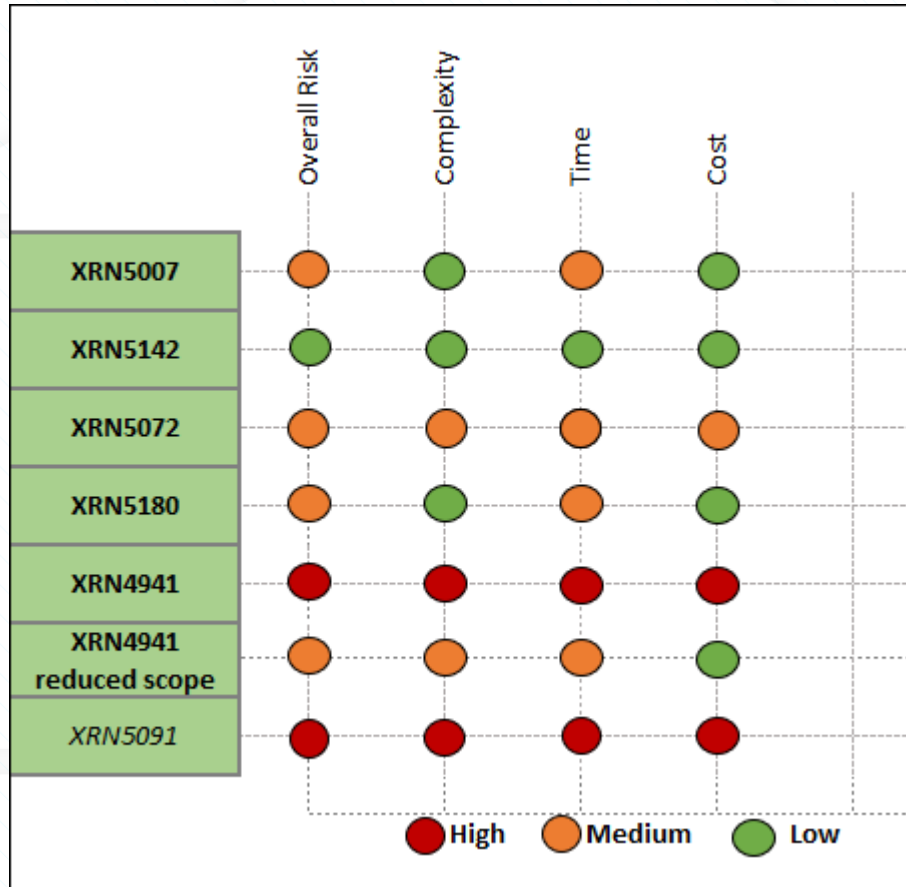
Correla Evaluation/Recommendation

Change	Design Change Pack	November 21 Delivery
XRN5007	Approved	Yes
XRN5072	Approved	Yes
XRN5142	Approved	Yes
XRN5180	eChMC – 5 th May	Yes
XRN4941	eChMC – 5 th May	Deliver reduced scope for November 21 Remaining scope post CSS – Information change pack will be issued with updated scope
XRN5091	eChMC – 5 th May	No – deliver post CSS

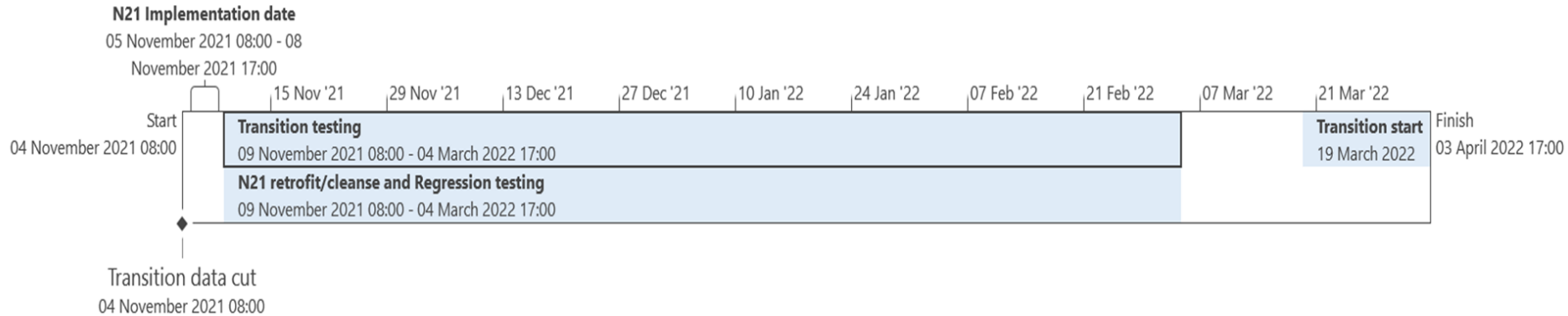
Decisions and Approvals

Change	Detail	Action
XRN4941	Deliver the reduced scope	Approve or Descope
XRN5091	Remove from November 21 scope	Approve

CSSC Impact Assessment



CSSC Timeline Impacts



- Retrofit is required to merge the code to keep the integrity of the code sacrosanct
- No window of opportunity to retrofit prior to transition testing or transition start, so will need to be completed in parallel
- Risk of not full transition testing against all November 21 code, assessments show minimal impact for the recommended scope

Note: Transition testing is the test phase being used to test all the bespoke code and programs that have been written in order to carry out transition.

XRN4941 Reduced Scope

XRN4941 has major code impacts to CSSC due to the confirmation and nomination workflow changes that are critical in the CSS delivery program.

This alternative scope will not impact the CSSC design and can be delivered within the CSSC timelines and will deliver the requirements of the MOD.

Changes to current design:

- There will be no changes to the confirmation and nomination workflow.
- The RGMA process will continue to ignore sites with a switch in flight and will parameterise this period so that it can be amended, post CSS, to be in line with the new, shorter, timeline.
- The data cleanse job will be enhanced to identify sites that have gone live within the previous week/month (depending on how often the job is run) and update the MRF to monthly at that time.

Impact to Shippers

By not amending the confirmation and nomination workflow, Shippers will be able to take on a site with a non-monthly read frequency which we will change to monthly when the amended data cleanse job is triggered.

Increase in unsolicited SCR file/record when meter read frequency is changed by the CDSP due to the amended data cleanse job

NOTE: A second change will need to be raised and agreed for delivery to complete the changes to the transfer workflow (both CSS and Non-CSS transfers) post CSS with additional cost estimated circa 75k including redesign for CSS changes -

XRN4941 Scope comparison

High Level Requirements	MOD Requirement	Reduced Scope	Current Scope
Batch job to update MRF where DCC Service Flag is A	Yes	Yes	Yes
RGMA updated to update MRF where AMR is installed	Yes	Yes	Yes
Batch job to update MRF where AQ =>293,000	Yes	Yes	Yes
Issue unsolicited SCR file/record to Shippers advising them of MRF change	No - DSG recommendation	Yes	Yes
Reject Supply Point Amendments where MRF should be monthly	No - DSG recommendation	Yes	Yes
Data Cleanse job created to update MRF for current portfolio	Yes	Yes with minor enhancement	Yes
Meter Read context updated	No - DSG recommendation	Yes	Yes
Confirmation workflow updated to change MRF, once live, where criteria is met	No - DSG recommendation	To be delivered by the Data Cleanse Job	Yes
Reject nominations where MRF should be monthly	No - DSG recommendation	No	Yes
Reject confirmations where MRF should be monthly	No - DSG recommendation	No	Yes

XRN4941 – Decision: Deliver the Reduced Scope

BACKGROUND

This change has major code impacts to change the Confirmation and Nomination workflow aspect of the change within the CSSC change – this alternative scope can still deliver the functionality of the MOD and update the MRF as required.

OPTIONS	DESCRIPTION	
Option 1	Approve reduced scope change	
Option 2	Descope change from November 21 Release and deliver post CSS	
	Option 1	Option 2
Pro's	<ul style="list-style-type: none">• Delivers the functionality of the MOD• No customer impacting changes	<ul style="list-style-type: none">• Full solution will be delivered in one change post CSS• No customer change for November 21
Con's	<ul style="list-style-type: none">• No immediate rejections for incorrect MRF• Delay for the MRF to be updated following a confirmation	<ul style="list-style-type: none">• MOD functionality has not been implemented
Recommended (Y/N)	Yes	No

XRN5091 Background

XRN5091 was raised by Customers due to the issue seen when there is a Change of Shipper with a change in Class (from 3 to 4 or from 4 to 3) for the same effective date (on average 40k per month) resulting in:

- Shippers opening reads getting rejected due to the Class change estimated read being present
- Class change estimated reads being issued to Shippers
- The opening read window being satisfied by the Class change estimated read

The prioritised impacts of this issue are:

- The MBR is issued on the effective date which will be used by the outgoing shipper to bill the end consumer
- Shippers are unable to submit an opening read without using the SAR process therefore the opening read provided by the end consumer may not be used to bill them
- UK Link is not compliant to UNC as there should be an opening read window (that is not satisfied by the change in class)
- RGMA, non-opening reads and LDZ changes occurring in the opening read window are managed differently where the class change estimated read has been generated
- Opening Read performance for Shippers is impacted negatively as CDSP reports that an opening read has not been provided
- Rejected Read performance for Shippers is impacted negatively

Shippers can currently re-issue the opening read as a replacement however this should follow the Shipper Agreed Read (SAR) process. The SAR process is in place so that both Shippers have agreed the new opening read before it is entered onto UKLink. This process also ensures that the end consumer is aware of the change to the opening read and can expect a revised bill from the outgoing Supplier.

XRN5091 Reason to Descope

- XRN5091 has major design impacts to CSSC as this is adding and amending the opening read window processes where there is a change of class
- Time impact to redesign, amend the code and retest is not achievable alongside the CSSC timeline
- Alternative Solutions were reviewed but none would mitigate the main customer impacts of this change

5091 impacts

There are a number of Process and Technical design changes required in UKLINK due to XRN 5091 which impact critical CSSC processes and rules.

- Primary impacts to
- Transfer Read Window
 - Estimation logic
 - Confirmation Workflows
 - Additional Activity within Transfer Read window (as a result of 5091 changes)

SPA

SMP Creation	Registration	Contract Change	Update SMP	Portfolio Files
	●			●
<p>Addition of check for Shipper transfer / Re-confirmation with Class Change to & from Class 3 / Class 4 - Creation of a transfer window/at D+11, the reads will need to be estimated</p> <p>This same functionality need to be assessed and added in CSS supplier switch (CSS_N_W_01) and shipper change workflow (CSS_N_W_02). As part of CSS - the class change estimation of transfer read will need to be removed.</p> <p>This will need a new design in CSSC.</p>				

RGMA/AQ

RGMA	C& D Store	Back Billing	Rolling AQ	Formula AQ
●		●		
<p>RGMA requests with the appt. / read date (or processing date) within the transfer window, will follow the newer rules.</p> <p>Current CSSC functionality does not check open transfers in previous class (they would have been estimated)</p> <p>This will need a new design in CSSC.</p>				

Reads

Annual EUC/WC calc	DM Read Upload	NDM Read Upload	Consumption Adj	Normal Rec.
		●		●
<p>Transfer Read window needs to be open for receiving Opening reads/non opening reads.</p> <p>All the new rules for switch with class change (3 to 4 or 4 to 3) will have to be aligned to faster switching & multiple open transfer read windows.</p> <p>This will need a new design in CSSC.</p>				

Billing/Inv.

Check to Check Rec.	NDM Estimation	Read Screens	Capacity Billing	Commodity Billing	Amendment Billing
	●				●
<p>Regression Impacts to Estimation and Billing/Invoicing for XRN 5091</p> <p>This will invoke further Regression in CSSC due to redesign of the SPA/RGMA/Reads processes.</p>					

CSSC Rework

Significant Redesign/Retest will be needed.

This is **not** considered achievable alongside the CSSC timeline.

Regression and code retrofit will be time intensive due to the number of technical objects impacted



XRN5091 – Decision: Remove from November 21 Scope

BACKGROUND

XRN5091 is not able to be completed within the November 21 scope, due to the complexity and detrimental impacts to the CSSC program as the code changes are too complex to complete within the timelines for CSSC.

Alternative solutions were reviewed but none of the options were viable to meet the main impacts of this change

OPTIONS	DESCRIPTION
Option 1	Descope the change from November 21
	Option 1
Pro's	<ul style="list-style-type: none">• CSSC design will not need to be amended• CSS timelines are not impact• No CSS retesting to be completed (internal and external parties)
Con's	<ul style="list-style-type: none">• Customer Impacts are not address• UNC Code is still not compliant
Recommended (Y/N)	Yes

Decision and Action

Change	Detail	Outcome
XRN4941	Deliver the reduced scope	
XRN5091	Remove from November 21 scope	

Have we received agreement on all of the above



XOSERVE APPENDIX ONLY

Current Solution

The current solution for XRN5091 will

- Stop the Class change read from being issued to Shippers
- Allow Shippers to provide an opening read (without a replacement (SAR process) being required)
- Estimate an opening read on D+10 if no opening read has been provided
- Amend the rules for RGMA transactions, non opening reads & LDZ changes that occur within the opening read window

As CSS will introduce the capability to switch Shippers and Suppliers more frequently the instances of this issue are expected to increase.

As this change focuses on the opening meter read window the impacts to CSSC design are substantial. Due to the critical timeline of the CSS activity occurring following November 21 implementation it is not possible to deliver the full functionality of XRN5091.

An alternative, interim, solution has been identified until the full solution of XRN5091 can be delivered post CSS.

Alternative Solution Option

This alternative solution will not impact the CSSC design and can be delivered within the CSS timelines.

The read validation for UMR and UBR will be amended to allow an opening read to be accepted where the only rejection is due to a class change read where there is a change in class from 3 to 4 or 4 to 3.

Whilst this solution does not address all of the impacts experienced by Shippers it does address the impact of opening reads getting rejected due to the class change read being present.

New potential impact that this alternative solution could introduce

There may be an additional impact experienced by outgoing Shippers of receiving an unexpected URN following the acceptance of the opening read. If the outgoing Shipper has already billed the end consumer this will also result in the end consumer being rebilled.

The functionality of this change has not been designed as part of the original solution and will require a design phase to ensure the solution is robust.

The full (original) solution will need to be implemented post CSS which would result in circa 145k for alternative solution and circa 200k for the full solution.

Customer Impact Comparison

Issue	Current Solution	Alternative Solution
UK Link is not compliant to UNC as there should be an opening read window	Resolved	
The Class change estimated read (MBR) is issued and used to bill end consumers	Resolved	
The Opening Read is rejected (financial cost to some shippers to investigate/resolve)	Resolved	Resolved
Shippers have to use the SAR process to resubmit read as replacement (financial cost to Shippers)	Resolved	Resolved (solution will impact outgoing shipper)
Shippers may need system / process changes to bill the end consumer to the read provided	N/A	
Opening Read and Replacement Read performance is impacted	Resolved	Resolved
RGMA, non-opening reads, LDZ changes transactions do not conform to opening read window logic	Resolved	

Alternative Solution Assessment

	XRN4941	XRN5091
N21 timeline impact	Can be delivered within current timeline	Risk of resources due to unknown future plans
CSSC impact	Reduced	Reduced
Customer Impact	Delay to the MRF update following confirmation- no immediate rejection	Rejections will no longer be seen by customers Remaining issues not resolved (slide 11)
Correla/Xoserve Impact	No further design changes Deliver the majority of the MOD	Still not compliant with UNC
Cost impact	Reduced change cost but additional change cost for second part of change	145k for alternative solution 200k for full solution post CSSC
Recommended for N21 Scope	Yes	Not viable