DSC Business Evaluation Report (BER)

Change Title	Implementation of Resend Functionality for Messages from CSS to GRDA (REC CP R0067)
Xoserve reference number (XRN)	XRN5567
Correla Project Manager	TBC
Email address	
Contact number	
Target Change Management Committee date	July 2023

Section 1: In Scope

This Change Proposal proposes the ability for Central Service Providers to request CSS to issue specific messages. This change is seen as one of a number of mitigations to reduce the likelihood of inconsistencies between the CSS and other industry systems. The messages within scope of the change are:

'Re-send' – RegistrationSecuredActiveSynchronisation

'Re-send' – RegistrationCancelledSynchronisation

'Refresh' – RegistrationEventSynchronisation

All messages will be requested by the GRDA using predefined formats to the CSS.

The 'Re-send' messages will, where fulfilled, be processed within the Gate Closure period and should therefore avoid an instance of a Registration becoming effective on CSS but not being recorded on the UK Link system. The Re-send functionality is designed to replay the original message. Of the missed messages to date there are a number of instances where CSS did not generate the messages and so they would not be available to be sent in future. This risk should be recognised but it is hoped that such instances should be reduced as the CSS becomes more operationally mature.

The Refresh message will have to be triggered manually as an exception – for example where a Re-send request has not been fulfilled in Gate Closure, in this instance the GRDA will need to request a Refresh to determine whether CSS has set a Registration Live. The GRDA will only be able to do so once the Registration has gone live – therefore there will be an inconsistency between CSS and UKL as we will need to prospectively apply such Registrations into UK Link systems. The Refresh functionality should minimise the period of his inconsistency as it eliminates the reliance on responses from the Switching Operator Service Management Incident tickets.

XRN	Title	Type	Description	Link to Change Proposal	Impacts
5567		CP	Implementation of Resend Functionality for Messages from CSS to GRDA (REC CP R0067)		Shippers

Shippers are listed as 'impacted' as this Change Proposal is planned to be funded 100% by Shippers from Service Area 1. There should be no functional changes to any DSC party systems as a result of this change as the interfaces

that are being changed are between the CSS and GRDA. No UK Link Communications will be amended as a result of this Change.

This version of the BER (v2) has been submitted following an amendment to the CSS Design and in turn has fundamentall changed the GRDA design. The BER is submitted based upon a Preliminary Impact Assessment due to the timescales available for the GRDA to reassess the design, but to maintain the industry implementation in December 2023. If this date cannot be met we anticipate a material delay to implementation due to the CSS changes necessary for the electricity Market Wide Half Hourly Settlement Programme implementation.

This CSS Design will now introduce 2 new APIs initiated by the GRDA to CSS, rather than being initiated by existing error message functionality which had already been developed to integrate with another DCC system. The revised design has been proposed as it should provide greater re-use in the event of further use cases being identified in future by the GRDA or other industry parties.

The re-design means that the GRDA development is more complex as this requires development of the new APIs. The corollary being that the design and build is extended, which in turn means that the planned integration testing phase between CSS and the GRDA which was due to start on 18th September cannot be met. A revised approach has been discussed with the REC Code Manager and other REC Service Providers that the Integration Test phase is NOT undertaken, and the risk of this is mitigated by a collaborative test approach where the GRDA defines expected test cases to be conducted and the evidence is reviewed by the Code Manager and the GRDA. We support this approach in this instance due to the inability to move the implementation date of this REC Change incrementally, with no certainty of when a re-planned date would be. If this were to be amended it is expected to be considerably later in 2024. This approach can be assessed for it's effectiveness and could reduce complexity of future change, including data preparation, and promotes collaborative working.With this revised approach there are no formal integration points with CSS – and the implementation by GRDA and CSS can be independent which may be advised if we consider proximity to the December Code Freeze presents a risk.

Section 2: Out of Scope

The scope of XRN5567 is limited to the GRDA request of, and subsequent receipt of, the above three messages.

XRN5535 will be responsible for the necessary system and process changes to apply Registrations and any subsequent adjustments in instances where the CSS and UKL Effective Dates are not aligned.

Section 3: Funding required to deliver the change

The following section outlines the proposed costs

XRN Ref	HLSO £	Design EQR	Build £	Test £	Implement-ation PIS £	MT £	1st Year MTB £	Delivery Total	CSSC Impact £	Risk Margin £	BER Total for Approval £	Shipper £	DN £	IGT £	NTS £	Total
5567			£68,800	£103,200			£22,000	£212,000	N/A	£17,000	£212,000	£212,000	0	0	0	£212,000

CDSP had anticipated that this change R0067 was due to be implemented in the Early Life Support phase following CSS Implementation, but this approach was rejected by Ofgem. The CSSC Programme undertook a number of design and build activities, at risk,based on the original design in order to reduce costs and timescales for delivery of this change which is now ineffectual. This work was completed during the Early Life Support / Post Implementation period so did not result in any cost to DSC Customers.

This BER reflects the full cost of design, build and test of the new API Requests as the above work cannot be re-used in this design.

Item	Description
XRN	The recognised reference of the change
HLSO	Cost of approved solution
Design EQR	Cost already approved in the related EQR. If BER is being done for standalone release and no EQR was published, leave blank
Build	Costs associated with building functional changes
Test	Is a total of all testing (other than MT) to includes UAT, System Test, System Integration Test, Regression Test and Performance Test
Market Trials	Costs associated with Market Trials - if none required for the XRN, the field is left blank
MTB	Costs associated with additional to MTB through to end of the Financial Year
Delivery Total	Total costs per XRN minus related EQR costs, risk margin and contingency
Risk Margin	Costs associated with the mitigation of known risks relating to each XRN should they materialise during the project
BER Total for Approval	Total costs per XRN minus related EQR costs (inclusive of risk margin and contingency) being requested for approval in ChMC
Shipper %	% of costs being funded by Shippers
DN %	% of costs being funded by DNs
IGT %	% of costs being funded by IGTs
NTS %	% of costs being funded by NTS
Shipper £	Costs being request for approval via BER (BER Total for Approval * Shipper % Share
DN £	Costs being request for approval via BER (BER Total for Approval * DN % Share
IGT £	Costs being request for approval via BER (BER Total for Approval * IGT % Share
NTS £	Costs being request for approval via BER (BER Total for Approval * NTS % Share
Total	Sum of all costs related to each change

Key

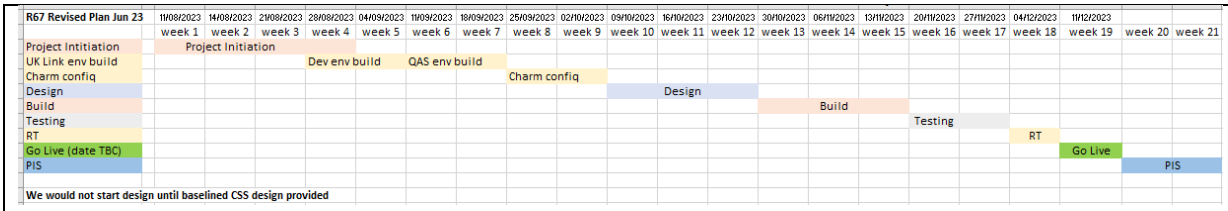
Section 4: Estimated impact of the service change on service charges

This change delivery will require additional technical components in order to request the message Resends and consequently technical support team monitoring and support. The Refresh functionality will require technical support which has been accounted for, but further requires Business Operation support which should be considered as a temporary activity until such time as the integration of the two systems are effective. This BER does not include the Operational team effort, but proposes that this is considered as part of XRN5535 – which will consider the remedial action needed for missing messages that have occurred and the necessary process changes in the event that instances occur in the future.

This Change Proposal does not propose a new DSC Service Line. It will supplement existing DSC Service Lines associated with the receipt and processing of Definitive Registration Notifications from CSS.

XRN	Xoserve Service Area & Line	Impact	(+/-) Projected Change in Annual Cost
XRN5567	Service area 1: Manage Shipper Transfers DS-CS SA1 – 41; DS-CS SA1 – 42	Technical Operations additional Monitoring	+ £22,000
		Total	£22,000

Section 5: Project plan for delivery of the change



R67 Revised Plan Jun 23	11/08/2023	14/08/2023	21/08/2023	28/08/2023	04/09/2023	11/09/2023	18/09/2023	25/09/2023	02/10/2023	09/10/2023	16/10/2023	23/10/2023	30/10/2023	06/11/2023	13/11/2023	20/11/2023	27/11/2023	04/12/2023	11/12/2023		
	week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8	week 9	week 10	week 11	week 12	week 13	week 14	week 15	week 16	week 17	week 18	week 19	week 20	week 21
Project Intitiation	Project Initiation																				
UK Link env build				Dev env build		QAS env build															
Charm config								Charm config													
Design											Design										
Build														Build							
Testing																Testing					
RT																		RT			
Go Live (date TBC)																			Go Live		
PIS																				PIS	
We would not start design until baselined CSS design provided																					

Dependencies:

- Following approval by ChMC we will commence Project Initiation – e.g. identification of the project team and commencing detailed planning.
- Integration between other parties has not been undertaken. This BER is compiled on the basis that the CSS and GRDA will have independent development timescales and no integration testing will be conducted.

Section 6: Additional information relevant to the proposed service change

Risks:

Xoserve and Correla have received a draft design from Landmark related to the technical solution. There is a risk that following detailed design further amendments are made to the design by CSS. We have included a [10% uplift in the development costs] to take account of this risk. A series of design assumptions have been highlighted as part of the REC Detailed Impact Assessment response. Should these prove to be incorrect we will need to further assess the solution, which may extend deign and build.

This BER assumes that an open collaborative approach is taken between all impacted Service Providers to share test plans, test data and evidence of test outcomes. It further assumes that the GRDA will be able to define test cases that are expected to be undertaken which will be included, where relevant, into the CSS testing activity. The GRDA has already shared expected test plans as part of the original design, so this risk is assumed to have low likelihood of occurrence and no risk margin has been defined.

Issues:

This project will not solve the missing message problem. This change will reduce the likelihood of messages being lost or delayed in the integration components between the GRDS and CSS. In some instances seen to date the CSS has been unable to generate the Registration messages – should such instances occur in the future this solution will not resolve these as this will rely upon improved resilience in the CSS application.

Assumptions:

We have assumed that this change can be implemented outside of a major release. We do not anticipate any impacts to DSC Customers as a result of this implementation, therefore we propose to progress this change as soon as possible.

Further on-going Operational (MTB) Costs will be identified as part of the Operational process change (XRN5535). These have been excluded from the change costs quoted in this BER.

Please send completed form to: box.xoserve.portfoliooffice@xoserve.com

Document Version History

Version	Status	Date	Author(s)	Summary of Changes

2	For Approval	29/06/23	David Addison	Amendment to reflect re-design