Detailed Design Change Pack

# Communication Detail

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| Comm Reference: | 3221.3 – VO - PO |
| Comm Title: | XRN 5567 - Implementation of Resend Functionality for Messages from CSS to GRDA (REC CP R0067) |
| Comm Date: | 18/09/2023 |

**Change Representation**

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| Action Required: | For Representation |
| Close Out Date: | 02/10/2023 |

# Change Detail

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| Xoserve Reference Number: | XRN 5567 |
| Change Class: | Functional change to Gas Retail Data Agent systems, but no impact expected to DSC Customers |
| \*ChMC Constituency Impacted: | Under 5567 the following parties are recorded as directly or indirectly impacted: Shippers; DNs and IGTs. We have also highlighted other parties such as Suppliers are impacted by 5567.  Note: this change pack details changes to messages that none of the above parties are party to. This change pack describes introduction of GRDA to CSS messages and responses. |
| Change Owner: | David Addison  [david.addison@xoserve.com](mailto:david.addison@xoserve.com) |
| Background and Context: | As part of the Switching Programme, all switch requests with an effective date on the following day should receive the Secured Active or Cancellation message within the gate closure window. Below are the messages expected from the CSS:  o RegistrationSecuredActiveSynchronisation  o RegistrationCancelledSynchronisation  o RegistrationSecuredInactiveSynchronisation  There are instances where the Secured Active message or Cancelled message has not been received on D-1 (D being CSS Registration Effective Date) after the gate closure window, due to the message not being generated or issues in transmission/receipt, leaving the registration request in a pending state within UK Link.  REC Change Proposal R0067 – will introduce the capability for the Gas Retail Data Agent (GRDA - the role that the CDSP performs in REC) to request a **Resend** of a missing message or request a **Refresh** of an individual Supply Meter Point’s Registration data from CSS in instances where we suspect that UK Link and CSS data are misaligned.  The CDSP currently actively monitors to identify missing Secured Active notifications from CSS within the gate closure window. Introduction of a CSS Resend functionality would allow systems which interface with the CSS to request a re-send of out of sync messages or missing messages without the need for manual intervention.  Where CSS are able to provide resend messages by gate closure on D-1 this should enable the CSS Effective Date and the UK Link Confirmation Effective Date to be aligned. This will allow the GRDA to process the CSS registration status update within the processing window as per the existing process.  The Resend functionality is a key mitigation of impacts to the UK Link system as a result of missing or late gate closure messages. The implementation of this change should lower the risk by reducing the number of missing messages and messages received following gate closure.  The Refresh functionality is a beneficial tool to be utilised where it has been identified that CSS and UK Link systems are out of sync in relation to registration data. The refresh functionality allows us to request a snapshot of the current active registration within the CSS system to help resolve the misalignment with greater efficiency.  The Refresh functionality will be made available for utilisation for registrations with missing messages once the relevant registration has become active. The resolution process itself will be as per the existing process i.e. CDSP will manually create a registration in UK Link (Note: this will have a different effective date than that in CSS). |

# Change Impact Assessment Dashboard

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| Functional: | Supply Point Registration |
| Non-Functional: | No specific Non-Functional Requirements are identified. We are assuming that response times will remain within documented standards in the CSS Service Definition.  Note: we have not planned for performance testing as part of this change. |
| Application: | SAP ISU  CSS API Client – this is the component that manages interface between CSS and GRDA within the CDSP systems |
| User(s): | No UK Link Users are expected to have direct Change Impacts.  This change impacts the interfaces between CSS and the GRDA. |
| Documentation: | No UK Link Manual documentation is expected to be impacted |
| Other: | None identified |

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

# Change Design Description

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| **Resend Request - New Process**  Change Proposal R0067 will introduce a new Resend API in order to notify CSS of the pending state, for which the follow up Secured Active or Cancelled message has not been received.  Within CDSP a new process will be created that will automatically monitor the registration status within UK Link and if there is a CSS registration for which a RegistrationSecuredActiveSynchronisation message has not been received within the gate closure window on the calendar day before the registration is due to become active, then a resend request will be created by UK Link and sent to CSS.  A new process will monitor the registration status within the gate closure and will trigger resend requests from 18:30 hours until 19:00 hours. Where a pending CSS registration is identified then the new API resend request message will be sent to CSS. The process will run every 15 minutes and will issue a resend request for every registration that remains in a pending state (maximum of 3 attempts made). Where any registration remains in a pending state following the last request, an incident will be raised with the DCC service desk to investigate as per the current process.  A successful receipt of a resend from CSS will follow the BAU process. This is also the case for the receipt of cancellation messages whereby these can be received at any point in time and will be actioned in line with the existing process. However, it is important to note that where any requests remain outstanding or are received late, the new process will not fix this and will require refresh activities which are set out below.  **Refresh Request**  This change will also introduce the registration refresh functionality to validate the Shipper/Supplier information between UK Link and CSS systems.  If there are some indications of synchronisation issues between UK Link and CSS, a new manual process will be implemented to request a resend for the latest registration data from CSS.  The trigger for the refresh function will be a manual trigger to be used as and when required. An example of where this could be used is where we identify a missing registration. Currently a DCC service desk ticket is raised to investigate which may have extended resolution timescales. Following implementation of this change the Refresh API can be used as a tool to trigger the request for the latest state of the CSS registration in order to confirm the information held within UK Link and CSS matches. The response received will be handled via the existing BAU resolution process i.e. manually create a registration in UK Link which will have a different effective date than that in CSS.  Where there is a discrepancy between the effective date in UK Link and CSS, UNC Modification 0836S (and the IGT UNC equivalent) (subject to approval of these Modifications) will be followed. The solution for the UNC and IGT UNC Modification are proposed to be implemented under XRN5675. |

# Associated Changes

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| Associated Change(s) and Title(s): | * XRN 5535 - Processing of CSS Switch Requests Received in ‘Time Period 5’. * XRN5675 - Subject to approval of the UNC and IGT Modification approvals, i.e. UNC Mods 0836S and 0855 and their IGT UNC equivalents, being approved, this will define the approach to treatment of settlement impacts following utilisation of the Refresh functionality. |

# DSG

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| Target DSG discussion date: | 01/01/0001 |
| Any further information: | N/A |

# Implementation

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| Target Release: | Release: Adhoc DD/MM/YYYY in line with REC67 timelines. |
| Status: | For Approval |

Industry Response Detailed Design Review

«RangeStart:HDS»  
  
Change Representation

(To be completed by User and returned for response)

# *Please consider any commercial impacts to your organisation that Xoserve need to be aware of when formulating your response*

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| User Contact Details: | Organisation: | «h1\_organisation» |
| Name: | «h1\_name» |
| Email: | «h1\_email» |
| Telephone: | «h1\_telephone» |
| Customer decision on Change Pack: | «h1\_userDataStatus» | |
| Representation Publication: | «h1\_consultation» | |
| Representation Comments: | «h1\_userDataComments» | |

# Xoserve’ s Response

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| Xoserve Response to Organisations Comments: | «h1\_xoserveResponse» |

Please send the completed representation response to [uklink@xoserve.com](mailto:uklink@xoserve.com)

«RangeEnd:HDS»

Change Management Committee Outcome

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| Change Status: | Approve | Reject | | | Defer |
| Industry Consultation: | 10 Working Days | | 15 Working Days | | |
| 20 Working Days | | Other [Specify Here] | | |
| Date Issued: | 18/09/2023 | | | | |
| Comms Ref(s): | 3221.3-VO-PO | | | | |
| Number of Responses: | 2 | | | | |
| Solution Voting: | Shipper | | | Approve | |
| National Gas Transmission | | | Please select. | |
| Distribution Network Operator | | | Approve | |
| IGT | | | Approve | |
| Meeting Date: | 11/10/2023 | | | | |
| Release Date: | Adhoc 09/12/23 | | | | |

Please send the completed representation response to [uklink@xoserve.com](mailto:uklink@xoserve.com)

Version Control

# Document

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| Version | Status | Date | Author(s) | Remarks |
|  |  |  |  |  |

# Template

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| Version | Status | Date | Author(s) | Remarks | Approved By |
| 1.0 | Approved | 09/03/2022 | Rachel Taggart | Detail Design Change Pack transferred to own document | Change Management Committee on 09/03/2022 |
| 1.1 | Approved | 25/04/2023 | Rachel Taggart | Updated with new font branding | Emma Smith |