Detailed Design Change Pack

# Communication Detail

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| Comm Reference: | 3221.4 |
| Comm Title: | XRN5607 Update to the AQ correction processes (Modification 0816S) Detailed Design Change Pack |
| 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:  | [XRN5607](https://www.xoserve.com/change/customer-change-register/xrn-5607-update-to-the-aq-correction-processes-modification-0816s/) |
| Change Class: | Functional |
| \*ChMC Constituency Impacted: | Shippers, all ClassesDistribution Networks (DNOs)*\*Assumed impacted parties of the proposed change, all parties are encouraged to review* |
| Change Owner:  | uklinkdelivery@xoserve.com  |
| Background and Context: | Modification 0816S - Update to AQ Correction Processes has been raised to add two further ‘eligible causes’ to the Annual Quantity (AQ) amendment process within TPD G2.3.21 and to prevent AQ amendments being processed where there is a de-minimis change in value to the AQ. High-level changes: * Creation of two new AQ amendment ‘eligible causes’ (AQ correction reason codes) which Shippers can utilise to request a change to the AQ of their Supply Meter Point (SMP):
	+ Erroneous AQ based on read history.
	+ Change in operation and/or use.
* A change in current validation for existing and the two new correction reason codes, (excluding existing correction reason code 4 – read tolerance), to be introduced under this change. This validation should reject AQ amendment submissions which only request a de-minimis change in AQ to the current value. This de-minimis value should be parameterised with the initial value being 5%.
* The existing Performance Assurance Report Registers (PARR) report detailing the volumes of AQ amendments submitted per reason code and Shipper needs to be updated to include the two new reason codes.

Additional requirements were raised under XRN5607 which do not form part of Modification 0816:Under Modification 0736 / XRN5237, a manual process was introduced for reason code 3 AQ amendment requests. This is a check to confirm if the User submitting the AQ amendment is Affiliated with the previous User. Due to the tight timescale to introduce the changes under Modification 0736, a manual solution was introduced to store and validate against Shipper affiliation data. Under XRN5607, Shipper Users would like to understand the costs and associated benefits of making the affiliation check on reason code 3 AQ amendment submissions automated.The below has been provided to aid customers understanding of the Change Proposal and/or any information that may be useful in reviewing this Detailed Design Change Pack document:* Link to XRN5607 Change Proposal : <https://www.xoserve.com/change/customer-change-register/xrn-5607-update-to-the-aq-correction-processes-modification-0816s>
* Link to UNC Modification 816s: <https://www.gasgovernance.co.uk/0816>
* Link to XRN5237 Change Proposal: <https://www.xoserve.com/change/customer-change-register/xrn-5237-maintenance-of-a-user-relationship-table-for-the-purpose-of-aq-amendments-modification-0736/>
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# Change Impact Assessment Dashboard

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| Functional: | Annual Quantity (AQ) |
| Non-Functional: | None |
| Application: | None |
| User(s): | Shippers and DNOs |
| Documentation: | None |
| Other: | None |

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| --- |
| Files |
| File | Parent Record | Record | Data Attribute | Hierarchy or FormatAgreed |
| AQI | N/A | C41 |  REQUEST\_REASON REQUESTED\_ESTIMATED\_AQ SUPPORTING\_INFORMATION | N/A |
| AQR | N/A | C43 | REQUEST\_REASON REQUESTED\_ESTIMATED\_AQ SUPPORTING\_INFORMATION | N/A |

# Change Design Description

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| **Approved Solution**The solution option that is the basis of the below detailed design was approved at Change Management Committee on 13/06/2023 and was:* Creation of two new AQ correction ‘eligible causes’ (AQ correction reason codes) which Shippers can utilise to request a change to the AQ of their Supply Meter Point (SMP):
	+ Erroneous AQ based on read history.
	+ Erroneous AQ Changein operation and/or use.
* A new validation criterion for all correction reason codes, with the exception of the existing correction reason code 4 – read tolerance, to be introduced. This validation is to reject AQ correction submissions which only request a de minimis change in AQ compared to the current value.

Note: The existing correction reason code 5 is not applicable for AQ and is also out of scope of this requirement. This de minimis value should be parameterised with the initial value being 5%.* The existing PARR/PAFA report detailing the volumes of AQ corrections submitted per correction reason code and Shipper to be updated to include the two new correction reason codes.
* Update to AQ correction Data Discovery Platform (DDP) related dashboards.
* Updates to any impacted ISU reports and BW reports determined through assessing the Reporting Catalogue.
* Automation of affiliation checks for correction reason code 3 which were put in place under XRN5237. This includes:
	+ Creation and maintaining the Shipper affiliation data.
	+ Validation of Shipper affiliations for AQ correction reason code 3.
	+ Rejection mechanism is included where this validation fails.

**Design Definition**As per the approved solution approach, below two new AQ correction ‘eligible causes’ (AQ correction reason codes) will be created and received via the existing AQI file interface (segment C41).**6 - Erroneous AQ based on read history****7 - Erroneous AQ Change in operation and/or use**Below are the new validations introduced for each reason code under XRN5607 and where failed, relevant rejections will be raised. Please refer to the **Shipper Rejections Code** list attached in this change pack.

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| **AQ Correction Reason Code** | **New Validations** |
| 3 – Commencement of a new business activity | * Submitting Shipper User is not affiliated to the previous Shipper User
* Where a Shipper has not provided affiliation data, they are considered to be affiliated to all other Shipper Users therefore the request will be rejected with an appropriate rejection reason.
 |
| 6 - Erroneous AQ based on read history | * The AQ correction submission date is within [12 months] of the Registered User's Supply Point original registration date (a reconfirmation date will not be used)
* The Rolling AQ at the SMP has increased by [100%] or more since the Registered User's Supply Point Registration Date
 |
| 7 - Erroneous AQ Change in operation and/or use | * The defined supporting information must be provided. This is proposed as: ***No Physical change of operational equipment nor commencement of a new business activity***
 |
| 1 -Confirmed Theft of Gas2- Change in Consumers Plant 3 – Commencement of a new business activity6 - Erroneous AQ based on read history7 - Erroneous AQ Change in operation and/or use | * AQ requested value is either less than 95% (ninety five percent) or more than 105% (one hundred and five percent) of the prevailing Annual Quantity
 |

The allowable values for data items within the C41 of the .AQI (AQ Correction Input) file and C43 segment in the .AQR(AQ correction response) file will be updated to include the new correction reason codes (shown below in highlighted text) C41 Segment in .AQI (AQ correction) file

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| --- | --- | --- | --- | --- | --- |
| **RECORD/FIELD\_NAME** **\*Occurs Max 99\***  | **OPT**  | **DOM**  | **LNG**  | **DEC**  | **DESCRIPTION**  |
| REQUEST\_REASON | M | N | 2 | 0 | 1 -Confirmed Theft of Gas, 2- Change in Consumers Plant 3 – Commencement of a new business activity, 4 – Tolerance change, 5 – Winter Consumption,6 - Erroneous AQ based on read history,7 - Erroneous AQ Change in operation and/or use |
| REQUESTED\_ESTIMATED\_AQ | O | N | 15 | 0 | Mandatory where REQUEST\_REASON is one of 1,2,3,4,6,7  |
| SUPPORTING\_INFORMATION | O | T | 254 | 0 | Mandatory where REQUEST\_REASON is 2 & 7. For REQUEST\_REASON 7 the value needs to be:  ***No Physical change of operational equipment nor commencement of a new business activity*** |

C43 Segment in .AQR (AQ Correction Response) file

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| --- | --- | --- | --- | --- | --- |
| **RECORD/FIELD\_NAME** **\*Occurs Max 99\***  | **OPT**  | **DOM**  | **LNG**  | **DEC**  | **DESCRIPTION**  |
| REQUEST\_REASON | M | N | 2 | 0 | 1 -Confirmed Theft of Gas, 2- Change in Consumers Plant 3 – Commencement of a new business activity, 4 – Tolerance change, 5 – Winter Consumption,6 - Erroneous AQ based on read history,7 - Erroneous AQ Change in operation and/or use |
| REQUESTED\_ESTIMATED\_AQ | O | N | 15 | 0 | Mandatory where REQUEST\_REASON is one of 1,2,3,4,6,7 |
| SUPPORTING\_INFORMATION | O | T | 254 | 0 | Mandatory where REQUEST\_REASON is 2 & 7. For REQUEST\_REASON 7 the value needs to be:  ***No Physical change of operational equipment nor commencement of a new business activity*** |

Updated C41 and C43 file records attached for reference:  Below is a list of the existing and new rejections updated as part of XRN5607:

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| **Rejection Code** | **Description** | **Reason Code Applicable to** | **Existing/New Code** |
| MPO00001 | Meter Point does not exist | Both 6 & 7 | Existing |
| CNF00001 | Confirmation reference not found | Both 6 & 7 | Existing |
| CNF00016 | Confirmation does not contain the Meter Point reference provided | Both 6 & 7 | Existing |
| CNF00024 | Confirmation is not Live | Both 6 & 7 | Existing |
| CNF00011 | Confirmation not owned by requesting System User | Both 6 & 7 | Existing |
| POC00001 | Postcode not found | Both 6 & 7 | Existing |
| POC00011 | Postcode does not contain the Meter Point reference provided | Both 6 & 7 | Existing |
| SPO00016 | Request denied as supply point ownership is subject to transfer | Both 6 & 7 | Existing |
| STD00178 | Requested AQ is less than 1 | Both 6 & 7 | Existing |
| AQI00020 | Invalid value provided in the request reason | Both 6 & 7 | Existing |
| MRE00419  | The meter serial number on the read does not agree with the meter serial number held on the Transporter Database | Both 6 & 7 | Existing |
| AQI00018 | Requested AQ is not provided for the reason code | Both 6 & 7 | Existing |
| AQI00013 | Requested AQ is less than the WC value | Both 6 & 7 | Existing |
| AQI00007 | No supporting information provided for AQ correction and where request reason is 2 or 7.  | Will be extended for reason code 7. Currently valid only for reason code 2.  | Existing |
| AQI00003 | Outstanding AQ/WC correction request already exist | Both 6 & 7 | Existing |
| OUT00001 | Outstanding contract change request exist for the meter point. AQ correction not allowed.  | Both 6 & 7 | Existing |
| AQI00016 | AQ correction request not found for cancellation | Both 6 & 7 | Existing |
| AQI00011 | The AQ correction request reason 3 is outside of the 12 week / 3 month Transfer window. | 3 | Existing  |
| AQI00027 | AQ difference is less than the agreed minimum value | 1,2,3,6 & 7 | New |
| AQI00028 | AQ correction submission date is not within 12 months of the Registered User's Supply Point Registration Date | 6  | New |
| AQI00029 | AQ value has not increased by the required percentage since registration date | 6 | New |
| AQI00030 | Supporting information provided is invalid for AQ correction reason code 7 (Erroneous AQ Change in operation and/or use) | 7 | New |
| AQI00031  | Missing Shipper affiliation details  | 3 | New |
| AQI00032 | Shipper affiliation identified, AQ correction not permitted.  | 3 | New |

Note: AQI00011 is an existing rejection for validating AQ correction request reason 3 is outside of 12 week/3 months transfer window This is included to clarify that it considers the re-confirmation scenario and the original registration date will be used for the validation.The updated **Shipper Rejection Codes** document is attached for reference:**Downstream Processes**Where an AQ value has been updated via an AQ correction the NRL (Notifications of Revision to Live Sites) notification will contain the new AQ correction reason codes in the T04 segment, no changes are required to the existing NRL process. The new AQ correction reason codes will be reflected in the existing position, AQ\_CORRECTION\_REASON\_CODE, and there are no file format changes needed as a result of this update. Where an AQ correction has been raised using new correction codes 6 and 7, should the Submitting User wish to cancel they can continue to use the existing C42 record within the AQI and the response to the cancellation request will be sent in the C45 record within AQR file. There are no file format changes needed to support the cancellation process.UK Link - SAP BW * Amendment to AQ correction PARR and PAFA reports to include new correction reason codes.
* Existing SAP BW AQ correction data models to be updated to ensure data is available for downstream reporting e.g. DDP.
* AQ Transparency Report updates to account for new correction reasons 6 and 7.

Data Discovery Platform (DDP)* Updates to DDP AQ corrections dashboards for PAFA and Shipper to include the two new AQ correction codes.
* Updates to DDP AQ rejections dashboard for Shipper / PAFA to include the new rejection reason.

**General Considerations and Highlights**1. For the avoidance of doubt there are no AQI, AQR or NRL file format changes other than those defined in this pack.
2. For reasons Erroneous AQ based on read history (Reason code 6), the 12 months validation will be performed from earliest registration date in the case of a reconfirmation scenario.
3. In case of a late registration (where a meter has been installed prior to registration going live), all validations will consider the meter installation date for processing AQ corrections submitted using reason code 6 (Erroneous AQ based on read history)
4. Affiliation data will be obtained by the Customer Lifecycle team, offline, from Shippers and stored in UK Link. There is no requirement to automate the affiliation data flow from Shippers.
5. It is assumed that this change will not see a significant increase in the volume of AQ corrections submitted, should your organisation have higher than usual volumes to process please contact Xoserve AQ team at AQQ.SPA@xoserve.com before the requests are submitted.
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# Associated Changes

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| Associated Change(s) and Title(s): | N/A |

# DSG

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| Target DSG discussion date: | 25/09/2023 |
| Any further information: | To discuss any comments provided from the Detailed Design Change Pack representations. |

# Implementation

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| --- | --- |
| Target Release: | Release: Feb 2024 |
| Status: | Approved |

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

«RangeEnd:HDS»

Change Management Committee Outcome

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| --- | --- | --- | --- |
| Change Status: | [x]  Approve | [ ]  Reject | [ ]  Defer |
| Industry Consultation: | [x]  10 Working Days | [ ]  15 Working Days |
| [ ]  20 Working Days | [ ]  Other [Specify Here] |
| Date Issued: | 18/09/2023 |
| Comms Ref(s): | 3221.4-VO-PO |
| Number of Responses: | 2 |
| Solution Voting: | [x]  Shipper | Approve |
| [ ]  National Gas Transmission | Please select. |
| [x]  Distribution Network Operator | Approve |
| [ ]  IGT | Please select. |
| Meeting Date: | 11/10/2023 |
| Release Date: | Feb 24 |

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

Version Control

# Document

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version | Status | Date | Author(s) | Remarks |
| 1.0 | For Approval |  | Phanitha Chalasani |  |

# 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 |