Detailed Design Change Pack

# Communication Detail

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| Comm Reference: | 3342.1 - VO - PO |
| Comm Title: | XRN5846 - New allowable value (M - Thermal Mass) for Meter Type Code (H100) |
| Comm Date: | 17/02/2025 |

**Change Representation**

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| Action Required: | For representation |
| Close Out Date: | 03/03/2025 |

# Change Detail

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| Xoserve Reference Number: | [XRN5846](https://www.xoserve.com/change/customer-change-register/xrn-5846-new-allowable-value-m-thermal-mass-for-meter-type-code-h100/) |
| Change Class: | Functional, Non-Functional and Documentation change. |
| \*ChMC Constituency Impacted: | Shippers (All Classes)  Distribution Networks  Independent Gas Transporters (IGTs)  \*Assumed impacted parties of the proposed change, all parties are encouraged to review |
| Change Owner: | [uklinkdelivery@xoserve.com](mailto:uklinkdelivery@xoserve.com) |
| Background and Context: | The allowable values utilised within the Review of Gas Metering Arrangement (RGMA) files are owned and maintained under the Retail Energy Code (REC). This data is provided to the Central Data Service Provider (CDSP) by Shipper Users and Meter Asset Managers (MAMs) as part of the RGMA process. The data is issued out by the CDSP as part of other downstream processes such as Shipper Transfers.  As part of the H100 project, thermal mass meters will be used and a new Meter Type Code was created to identify these. The allowable value ‘M’ has been added to the Meter Type Code (A0025) field as part of the Market Domain Data (MDD) and now CDSP systems must be updated to reflect this.  The change would the allowable values in all connected parties’ systems to be aligned to ensure the flow of meter information and accurate maintenance of the Supply Point Register. |

# Change Impact Assessment Dashboard

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| Functional: | RGMA validation check framework. Meter Type allowable value updates. |
| Non-Functional: | Ensure performance of RGMA file flows with addition of new data item.  and potential for future increased volumes. |
| Application: | UK Link |
| User(s): | Shippers (all classes) |
| Documentation: | UK Link Interface Documents. Reports. |
| Other: | None |

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| Files | | | | |
| File | Parent Record | Record | Data Attribute | Hierarchy or Format  Agreed |
| See below for list of impacted Files/Interfaces | | | | |

# Change Design Description

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| **Overview**  With the introduction of thermal mass meters as part of the H100 project, we must ensure that meter asset data can be shared and stored accurately for all meter types across the gas industry and stakeholder systems.  Change proposal XRN5846 has been raised to add ‘M’ (Thermal Mass) as an allowable value in all inbound and outbound interfaces where the field Meter Type/Meter Type Code is utilised in order to ensure no failures occur.  The scope of changes:   * All the interfaces (Files/APIs) which have Meter Type/Meter Type Code field will be updated to include the values provided within the REC Meter Product General (MPG) data for Meter Type Code. * These interfaces will be tested to prove the message communication happens correctly with the Meter Type/Meter Type Code value M. This includes ensuring data flows into GES. * Changes will be made to RGMA validation check framework program to include value M as provided within the REC MPG data records for Meter Type Code. * The Meter Type/Meter Type Code value will flow to Reporting systems using the existing route and it will appear in the reports. * All impacted UK Link Interface Documents to be updated.   **Interfaces/Reports Impacted**  The impact to the interfaces listed below, relates to the new allowable value of M (thermal mass) being displayed where there is a Meter Type/Meter Type Code field. This is only applicable if an MPRN has an associated thermal mass meter type. No structural changes are required to these interfaces.  All impacted UK Link Interface Documents will be updated where allowable values are stated against the Meter Type/Meter Type Code field to reflect this change. As the only change is to an allowable value and the pace at which the change is being progressed, the updated versions of the documents will be provided during change development.  The below tables include, for visibility, all related files that have been impact assessed. The files that require update have been flagged as such.  ***Interfaces (UK Link):***   |  |  |  |  | | --- | --- | --- | --- | | **File name** | **Segment name** | **Field name** | **Update required** | | CFR | K14 | METER\_TYPE | Yes | | CFR | U75 | METER\_TYPE | Yes | | NRF | K14 | METER\_TYPE | Yes | | NRF | U75 | METER\_TYPE | Yes | | NMR | K14 | METER\_TYPE | Yes | | NMR | U75 | METER\_TYPE | Yes | | TRF | U75 | METER\_TYPE | Yes | | BRR | K14 | METER\_TYPE | Yes | | BRR | U75 | METER\_TYPE | Yes | | ASN | K14 | METER\_TYPE | Yes | | ASN | U75 | METER\_TYPE | Yes | | TMC | U75 | METER\_TYPE | Yes | | EDL | B37 | METER\_TYPE | Yes | | EWS | E25 | METER\_TYPE | Yes | | IDL | B44 | METER\_TYPE | Yes | | CRS | K14 | METER\_TYPE | Yes | | CRS | U75 | METER\_TYPE | Yes | | SNR | K14 | METER\_TYPE | Yes | | SNR | U75 | METER\_TYPE | Yes | | TRS | U75 | METER\_TYPE | Yes | | JOB | METER | METER TYPE CODE | Yes | | JRS | METER |  | No | | CDJ | METER |  | Yes | | UPD | METER | METER TYPE CODE | Yes | | TNI | U75 | METER\_TYPE | Yes | | ONJ | METER | METER TYPE CODE | Yes | | ONU | METER | METER TYPE CODE | Yes | | UPR | METER |  | No | | CDN | M79 | NEW\_METER\_TYPE | Yes | | CDN | M82 | NEW\_METER\_TYPE | Yes | | CDR | M80 | NEW\_METER\_TYPE | Yes | | CDR | M81 | NEW\_METER\_TYPE | Yes | | CDR | M83 | NEW\_METER\_TYPE | Yes | | CDR | M84 | NEW\_METER\_TYPE | Yes | | RNJ | METER |  | No | | RNU | METER |  | No | | TAP | P17 | METER\_TYPE | Yes | | PPN | G40 | METER\_TYPE | Yes | | IQL | B44 | METER\_TYPE | Yes | | EQL | B37 | METER\_TYPE | Yes |   ***Interfaces (APIs):***   |  |  |  |  | | --- | --- | --- | --- | | **Interface name** | **Segment name** | **Field name** | **Update required** | | BRR | K14 | METER\_TYPE | Yes | | BRR | U75 | METER\_TYPE | Yes | | ASN | K14 | METER\_TYPE | Yes | | ASN | U75 | METER\_TYPE | Yes | | TMC | U75 | METER\_TYPE | Yes | | Supply point switching\* | NA | METER\_TYPE | TBC | | Meter Asset Enquiry\* | NA | METER\_TYPE | TBC | | Supply Point Enquiry\* | NA | METER\_TYPE | Yes |   \* These have been included for completeness but any updates required to these APIs/supporting documentation will be made via the REC change process.  ***BW/BO Reports:***  There are circa 22 reports containing Meter Type/Meter Type Code, these will be updated to allow the new allowable value of M.  ***Gas Enquiry Service (GES):***  Presently Meter Asset Data and Meter Asset History screens display the Meter Type information. The GES portal screen will display ‘Thermal Mass’ where a thermal mass meter exists. No functional change required to GES.  **Testing**  These interfaces will be tested to prove the message communication happens correctly with the Meter Type/Meter Type Code value M. The interface to GES will be tested to ensure thermal mass data flows accurately.  **RGMA**  A change will be made to the RGMA ONJOB/ONUPD validation check framework program to include the new M allowable value. As part of this change the allowable value will be configured to align with REC Meter Product Data going forward. This will allow for future new allowable values to be utilised without the need to amend the code, resulting in the new values flowing through without being rejected.  **Go Live/Cut Over Activity (Shippers)**  Once implemented, should Shipper Users need to update the Meter Type Code for any existing asset, this can be done using the BAU UPD submission process.  During the release delivery we will reach out to Shippers we believe to be impacted i.e. have responsibility for Supply Meter Points with a thermal meter asset attached but not recorded as such in UK Link. |

# Associated Changes

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| Associated Change(s) and Title(s): | XRN5298 - H100 Fife Project - Phase 1 (Initial Assessment) |

# DSG

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| Target DSG discussion date: | 24/03/2025 |
| Any further information: | None |

# Implementation

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| Target Release: | Release: June 2025 |
| 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» | |
| Commercial impacts: | «h1\_commercial\_impacts» | |
| 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: | Click here to enter a date. | | | | |
| Comms Ref(s): |  | | | | |
| Number of Responses: |  | | | | |
| Solution Voting: | Shipper | | | Please select. | |
| National Gas Transmission | | | Please select. | |
| Distribution Network Operator | | | Please select. | |
| IGT | | | Please select. | |
| Meeting Date: | Click here to enter a date. | | | | |
| Release Date: | Release: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY or NA | | | | |

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 |
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# 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 |
| 1.2 | Updated | 14/08/2023 | Kate Lancaster | Updated with Representation tabs |  |