XRN5482 – Replacement of reads associated to a meter asset technical details change or update (RGMA)

High Level System Solution
Impact Assessment

Change Overview

XRN5482: Replacement of reads associated to a meter asset technical details change or update (RGMA)

Under Unified Network Code (UNC) Shipper Users are responsible for updating the Supply Point Register with any known meter technical detail (MTD) changes or updates and, to provide and maintain reads for Meter Point Reference Numbers (MPRNs) in their ownership.

This change has been raised to investigate and develop the mechanism for Shipper Users to be able to replace an RGMA related read, actual or estimated, where that read is for a read date within their period of ownership. This will be only valid for class 3 and 4 sites.

It is expected that any processes being proposed would align to the existing Updated Meter Read process which currently allows Shipper Users to update any read within their period of ownership, on or after the Code Cut Off Date (Line In the Sand (LIS)), not created as a result of an RGMA transaction. All Updated Meter Reads should continue to be subject to the existing defined validations.

This change will provide Shipper Users with the mechanism to correct inaccuracies in read history through established processes, aiming to reduce the need for manual effort and time required to process a consumption adjustment. This will also aim to minimise the risk of read data issues being passed on to subsequent Shipper Users, following a transfer of ownership, making them increasingly difficult to resolve and, in turn, improve the end consumer switching experience. There may also be an improvement to general read quality within the Supply Point Register and related systems, as an incorrect RGMA related read that is preventing a later actual from being submitted could be corrected. As the change will support Shipper Users in ensuring SMP read histories are correct this will, potentially, improve consumption and Annual Quantity (AQ) data and, subsequently, the share of Unidentified Gas (UiG).

Solution Option

1	Develop new file to replace RGMA Reads for NDM sites with new Meter Read Reason Code

Option 1 - High Level Impact Assessment

Develop new file to replace RGMA Reads for NDM sites with new Meter Read Reason Code

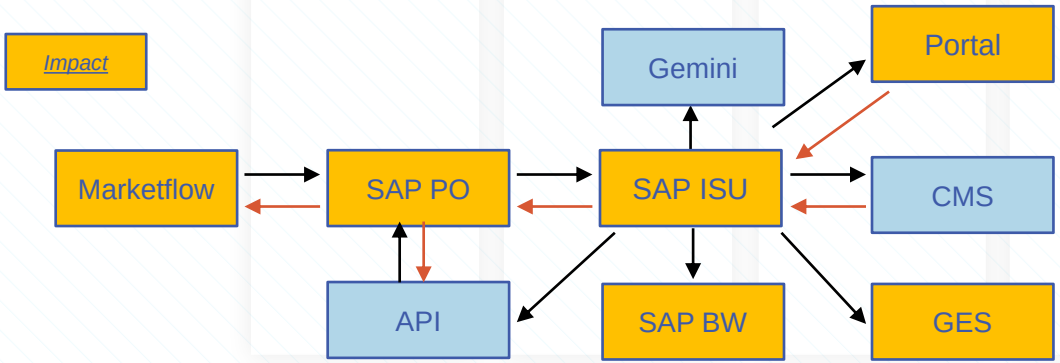
Solution Overview

A new inbound, and a new response, file will be developed that can be used by Shippers to submit to the CDSP, via the IX, replacement Meter Reads related to RGMA transactions where the Supply Meter Point (SMP) was Class 3 or 4 on the read date. These transactions will utilise a new Meter Read Reason Code in order to support initial processing as well as use in downstream processes.

Impacted Areas and Considerations

New file processing and validation
Class 3 and 4 energy reconciliation, including initial check to check reconciliations
Consideration of RGMA replacement reads within NDM estimation
Impact on reporting suite
Display of RGMA replacement reads in the UK Link Portal and Gas Enquiry Service (GES)
Changes to ensure Shipper dashboards correctly reflect RGMA replacements in DDP *(impact to be confirmed during detailed design)*

Impacted Systems



Overall Impact	Release Type	High Level Cost Estimate
X-Large	Major	175,000 to 300,000 GBP

Assumptions

- Class 1 & 2 Supply Meter Points are out of scope.
- A new file pair (submission and response) will be created to cater for both Class 3 & Class 4 Supply Meter Points (that were Class 3 or 4 on the replacement read date)
- Full reporting impacts will be assessed and defined during Detailed Design
- Market Trials are out of scope of the estimation
- These efforts are based on the Customer Requirements and a high-level analysis. Based on further, low level, analysis the stated efforts may change.
- Customer engagement and demand will be sought whilst defining and designing the file format changes
- Processing schedule to be established during detailed design
- Any transition/cut over impacts of this change will be defined within the detailed design
- Impacts to service and operation demand will be defined during the detailed design

Option 1 - System Impact Assessment

	Reports	Interface	Conversion	Enhancements	Workflow	Data Migration
System Component:	BW / BO	SAP ISU, SAP PO, AMT Marketflow	n/a	SAP ISU	n/a	n/a
Impacted Process Areas:	n/a	RGMA, Metering (Reads)	n/a	RGMA, Metering (Reads)	n/a	n/a
Complexity Level (per RICEFW item):	Medium	Low	n/a	High	n/a	n/a
Change Description:	New Read Reason Code needs to flow to BW and DDP for use in existing reports that currently include RGMA reads	RGMA Replacement Read Inbound & Outbound Interface	n/a	New Inbound Processing and Validations for RGMA Replacement Reads for SMPs where Class is = to 3 or 4 at read date.	n/a	n/a

	ISU	BW	PO	AMT	GES	*DDP
Test Data Prep Complexity:	High	Low	Low	Low	Low	Low
Unit and System Test Complexity:	High	Low	Low	Medium	Low	Low
Pen Test Impact:	n/a	n/a	n/a	n/a	n/a	n/a
Regression Testing Coverage:	Very High	n/a	n/a	n/a	Low	n/a
Performance Test Impact:	High	Low	n/a	n/a	n/a	Low
Market Trials:	n/a	n/a	n/a	n/a	n/a	n/a
UAT Complexity:	High	Low	Low	Medium	Low	Low

*Anticipated impact

Option 1 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?	Other Areas
SPA	No	No	No	No	No	No	No
Metering (Reads)	**High**	**Yes**	**Yes**	**No**	**Yes**	**Yes**	**Regression**
Reconciliation	**High**	**No**	**Yes**	**No**	**Yes**	**Yes**	**Regression**
Invoicing – Capacity	No	No	No	No	No	No	No
Invoicing – Commodity	No	No	No	No	No	No	No
Invoicing – Amendment	**Low**	**No**	**No**	**No**	**No**	**No**	**No**
Invoicing – Other	No	No	No	No	No	No	No
AQ Calculation	**Medium**	**No**	**No**	**No**	**Yes**	**No**	**Regression**
RGMA	**Medium**	**No**	**No**	**Yes (GES)**	**No**	**No**	**Regression**
DSC Service	No	No	No	No	No	No	No