Contents

At PNSG on 11th April, Xoserve was asked to confirm:

- RGMA Core / Non Core Classification (Slides 2-4)
- Latest RGMA testing progress (Slides 5 – 8)
  - Including latest on projected issues that will be carried into MT.

Appendix (Slides 9 – 12)
- RGMA outstanding clarifications test scenarios

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RGMA Core / Non Core Classification - Summary

- Xoserve has classified the RGMA scope into Core and Non Core processes.

- This exercise has been completed to enable delivery activities within a challenging plan to be **appropriately prioritised** (with primary focus on Core RGMA).

- All test scope and defects have been aligned with an appropriate business process and progress stats have been reported internally and externally by business process.

- At the request of PNSG (via PwC) the next slide was produced to succinctly articulate a definition of Core and Non Core RGMA. This slide was used as an input to PwC's RGMA update to the PNSG on 1st April.

- In order to provide additional detail on Non Core scenarios a specific list of Non Core business processes is also provided on slide 4.

RGMA Process Overview: Core & Non-Core

- The table below outlines how Xoserve has classified RGMA scope into 'Core' and 'Non Core' business processes (this classification is a build on details previously shared at PNSG)
- The classification broadly aligns with the scenarios defined by the MTWG
- Xoserve has applied the classification to all RGMA defects and test activities.
- **Slide 10 onwards details the outstanding Xoserve test scenarios for Core and Non Core classifications.**

RGMA Process	Classification	Summarised Overview
Asset Install	**Core**	• Install of a meter or convertor
Asset Removal	**Core**	• Removal of a meter or convertor
Asset Exchange	**Core**	• Exchange of a meter or convertor
Asset Update (Billing Critical)	**Core**	• Updates to data attributes which are billing critical
Asset Update (Non Billing Critical)	**Core**	• Updates to data attributes which are non billing critical
Validation Testing	**Core**	• File validation / rejection code testing
Non Core Scenarios	**Non Core**	• Specific / lower volume scenarios which sit outside the core asset install / removal / exchange / update processes e.g. collars, bypass, AMR

Non Core – Detailed Process Overview

- The table below provides an overview of the specific business processes / RGMA functionality for which **some discrete elements** have been classified as Non-Core RGMA testing scope.

Process		
Collars	AMR	Location Notes
Bypass	Smart	Meter Point Status
Meter Reposition	Market Sector Code	Reads in File
Datalogger	Manual Asset Updates	Shipper Transfer
C&D Store	Data Update Code	Meter Inspection
Location Code	MDD Validation	Gas Act Owner

RGMA Testing Progress – Key Messages

- **The current status of RGMA functionality testing:**

    - End to End Test Cases Outstanding: **6**
    - Clarifications Test Cases Outstanding: **17 (4 Core)**
    - Validations Test Cases Outstanding:
        - **14** high instance - *more than 125 occurrences in a month across all participants*
        - **56** have very low instances – <u>collectively</u> *0.25% of all rejections issued – 20 scenarios have never occurred in the last 12 months.*
    - Major/Critical Defects Outstanding: **15** – *currently all bar two have a target fix date of 15th April.*

- **The impact of the above on RGMA market trials commencing has been assessed by Xoserve as "low" and therefore it is suggested that meaningful MT can commence as planned.**

- Delivery challenges have persisted for Validations Testing, some of which are now anticipated to be resolved by the 16th. Some defects will persist after that date for low volume validations.

- It's anticipated that a small number of functional issues will be carried into Market Trials. The issues are isolated to specific scenarios and their impacts have been assessed.

- **Note 1: The scope of Xoserve's UAT of RGMA includes retest and regression testing after defect fixes have been deployed.**

Overall Status By Process

Process	MT Scenario Mapping	E2E activities Complete	Clarifications Test Case Volume	Test Cases Started	Test Cases Completed	Test Cases Remaining	Open Critical / Major Defects
Asset Install	8.1	97% (+2%)	23	23	22 (+2)	1 (-2)	3 (-5)
Asset Removal	8.5, 11.1, 11.2	Complete	11	11	11 (+1)	0 (-1)	1 (-2)
Asset Exchange	8.2	92% (+7%)	15	15	13 (+3)	2 (-3)	2 (-10)
Asset Update (Billing Critical)	8.3	Complete	10	10	9 (0)	1 (0)	1 (-3)
Asset Update (Non Billing Critical)	8.4	Complete	5	5	5 (0)	0 (-1)	1 (-1)
Non-Core Process	8.6, 23.1, 23.2, 23.3 **	85%	91	91	78	13	0
Validations *High Volume*	N/A	N/A	29	29	15	14	7 (-5)
Validations *Low Volume*	N/A	N/A	71	71	15	56	
TOTAL			255	255 (100%)	168 (66%)	87 (34%)	15

- *** Non core also includes RGMA functionality which sits outside the defined MT scenario scope*
- *Validations high volume >125 total instances per month across all participants*
- *(bracket) indicates change since last PNSG Update (Monday 11th)*

Managing Issues Carried into MT
Reported to PNSG Monday 11th

Issue Summary	Processes Impacted	MT Impacts
DRS Meter Reads: When a meter and convertor activity is completed the system will send a single DRS file containing 2 reads with the same date. This behaviour differs in legacy; one read is sent with a date of D and the other with D+1 Points to note: • 5,587 of 24mil sites currently have a corrector installed	**Asset Exchange, Install, Removal** (where convertor is fitted)	This will impact organisations whose systems are unable to accommodate 2 reads on the same date NB Industry engagement via the UKLC Solution Design Group is in progress to discuss impacts
Response Notes mapping: For 30 (of 116) rejection code scenarios, the response notes are incorrect leading to rejection files being sent with erroneous content within this field. ***Missing RGMA reference code** (i.e. location of the error in the file) impacting 31 rejection codes (including 4 high volume codes) . Rejection should include the error location, Marketflow is not producing this.* Points to note: • Of the 30 problematic rejection codes only 5 are high volume scenarios • An exception is still generated and rejection code mapping is unaffected • A fix is in progress for this issue	**Validations**	Systems which utilise the **rejection code** to process exceptions will be unaffected by this issue. Participants will not be provided with the full rejection details and will not be able to locate the position of the error in the file. Expected fix, test and release is due Saturday 16th April.
Data Update Code (DUC) within the JOB file: If a JOB file is sent with DUC populated, the field will be ignored Points to note: • The absence of DUC functionality in the JOB file does not adversely impact business process. To undertake an asset update followed by an exchange a UPD file must be sent followed by a JOB file	**Asset Install, Exchange, Removal**	A DUC value should not be passed within the JOB file. NB Industry engagement via the UKLC Solution Design Group is in progress to discuss impacts

Managing Issues Carried into MT
New Issues

Issue Summary	Processes Impacted	MT Impacts
• **AMT Splitting & Routing** – a single input file with multiple transactions should create a single output file covering all transactions including all Marketflow rejected transactions and all SAP accepted and rejected transactions	ALL	This will impact the ability to reconcile inbound transactions with outbound responses. A single response will be received per transaction. Expected fix, test and release is due Thursday 13th April **EXPECTED TO BE RESOLVED BEFORE MT START**
• **AMT Splitting & Routing** – a single RESPN (record) should be issued on the response file. AMT Marketflow is generating two RESPN records on the response file when an error is found in Marketflow and an error in SAP. It should generate a single RESPN for all errors.	Validations	Participants will receive multiple RESPN records in response files. Expected fix, test and release TBC (post 15th April)

Appendix: RGMA Outstanding Test Scenarios

- Test scenarios detailed on the following slides have open defects and **should not** be tested by participants.

    - Scenarios are specific to specific transaction and data conditions
    - Full details of the scope of the scenario, the associated data conditions (pre-requisites) and expected results are provided.

- **All other RGMA scenarios that are not detailed here can be tested by participants.**

Appendix: RGMA Core Clarifications Scenarios Outstanding
Planned completion of scenarios by 15th April

Scenario	Processes Impacted
(132) Description: Test the non-billing critical update (location code) with read provided through UPD file and no RTC provided **Pre-requisites:** Meter point status should be live , asset status should be live **Expected results:** DRS (Dataset Read Notification) file should be generated and with an U read. Location code updated but no time slices created. Read loaded.	Exchange
(148) Description: Test the converter exchange without reporting meter and reporting datalogger through UPD file. All reads and RTC provided **Pre-requisites:** The site should have meter and convertor **Expected results:** The file will be accepted and converter exchange would happen. Outbound files -UPR and DRS (both meter and converter closing read and opening read)would be triggered irrespective of read/RTC provided or not for meter in input UPD file.	Exchange
(133) Description: Test the meter install activity through JOB file submitted by LI shipper and Appointment Date during the CO window of shipper transfer. Current SU shipper owned the site during the said CO period. Both read and RTC provided. **Pre-requisites:** Meter point should have undergone Shipper Transfer and no meter ever at site. Site owned by a different shipper till D day and no class change. **Expected result:** File Accepted and meter installed. DRS file would be generated and triggered to the shipper who was LI during the appointment date with the opening read as shipper provided read (which is the current SU shipper).	Install
(33) Description: To test the billing critical update of meter through UPD file without reporting convertor. Read provided for meter with RTC. **Pre-requisites:** The site should have meter and convertor **Expected results:** The file will be accepted and billing critical update will happen and reads(both meter and converter closing read and opening read for converter) will be derived and DRS generated with two N95 records containing opening and closing reads and RTC of both meter and converter for the measuring device. Outbound files UPR/DRS would be send	Update BC

RGMA Non-Core Scenarios Outstanding

Scenario	Processes Impacted	Impact Commentary
(108) Description: Test a billing critical attribute update (number of dials) with reads and RTC has been provided through UPD file . The dials has been increased from N to N+X. Read to be provided with no zeroes prefixed. **Pre-requisites:** Meter point status is live , asset status is live and meter and converter at site **Expected results:** Asset activity will happen successfully. One N95 records would be derived. RTC and the read for closing of both meter and converter. As the reading in file has more characters, then superfluous digits shall be removed from the right.	Reads in File	TBC
(119) Description: Test the converter install activity through JOB file, when the last read date is less than 01-OCT-1995 **Pre-requisites:** Meter point status is live and meter at site with last read loaded before 01 Oct 1995. **Expected results:** File should be rejected with appropriate rejection code	Reads in File	TBC
(120) Description: Test the meter exchange activity through UPD file, when the last read date is less than 01-OCT-1995 **Pre-requisites:** Meter point status is live and meter at site with last read loaded before 01 Oct 1995. **Expected results:** File should be rejected with appropriate rejection code	Reads in File	TBC
(136) Description: Test the converter removal (RMOVD) through UPD file Provide reads but no RTC for converter. Do not provide read for meter. **Pre-requisites:** meter and converter installed at site. **Expected results:** File processed and system updated. DRS(Dataset Read Notification) file should be generated with 2 N95 1)capturing the closing read and RTC of meter and converter and 2) an opening read and RTC for meter.	Reads in File	TBC
(154) Description: Test Bypass status opening can be done as a standalone activity using UPD file, The measuring devices should not be reported (there is none at site). **Pre-requisites:** No devices at site and site is isolated. But a converter and meter present in the previous installation. No bypass at site. **Expected results:** File will be accepted and Bypass will be opened on the site . Outbound files will be triggered. DRS triggered with 2 N95 records, (final and opening reads and RTC of meter and converter)	Bypass	TBC
(48) Description: Test the meter activity through JOB file with transaction type code OTVST and transaction reason code CLAMP and report meter asset status is CA. No RTC provided in the read segment. **Pre-requisites:** The meter point status should be live , asset status should be live. **Expected results:** The site would be isolated , meter asset status code will be updated ,and isolation flag would be set . Reads would be loaded and DRS generated if .Outbound files should be triggered. No C&D store update should be done and hence no CDR generated.	Reads in File	TBC
(49) Description: Test the meter activity through JOB file with transaction type code OTVST and transaction reason code UNCLAMP and report meter asset status is LI.RTC provided. **Pre-requisites:** The meter point status should be isolated , asset status should be capped / clamped. **Expected results:** The site would be reconnected, meter asset status code will be updated to LI ,and Stop Commodity Flag would be unset . JRS Outbound files should be triggered. Reads would be loaded. No C&D store update should be done and hence no CDR generated.	Reads in File	TBC

RGMA Non-Core Scenarios Outstanding

Scenario	Processes Impacted	Impact Commentary
(57) Description: To test bypass removal along with convertor and meter report in JOB file **Pre-requisites:** The site should have BYPASS set . The site should meter and convertor live . **Expected results:** The file will be rejected and bypass will not be removed	Bypass	TBC
(59) Description: To test bypass install along with convertor and meter report in JOB file **Pre-requisites:** The site should not have BYPASS set . The site should meter and convertor live . **Expected results:** The file will be rejected and bypass will not be installed	Bypass	TBC
(79) Description: Test Bypass status removal can be done as a standalone activity using UPD file, The measuring devices should not be reported. **Pre-requisites:** Meter point status is live , meter and converter at site, Bypass has been open in the site , asset status is live **Expected results:** File will be accepted and Bypass will be removed on the site . Outbound files will be triggered. DRS triggered with 2 N95 records , (final and opening reads and RTC of meter)	Bypass	TBC
(82) Description: Test Bypass status closing can be done as a standalone activity using UPD file, The measuring devices should not be reported (there is none at site) **Pre-requisites:** No devices at site and site is isolated. But a converter and meter present in the previous installation. Bypass is open. **Expected results:** File will be accepted and Bypass will be closed on the site . Outbound files will be triggered. DRS triggered with 2 N95 records , (final and opening reads and RTC of meter and converter)	Bypass	TBC
(08) Description: To test two or more RGMA files are received with effective date of work on the same day through JOB file followed by a non billing activity. **Pre-requisites: Expected results:** The first file received Should be accepted, and the subsequent files should be rejected as there is read due to the first asset activity	Other	TBC
(12) Description: Test two or more RGMA files are received on the same date with no appointment/read date, by a converter update through UPD file first (non billing critical but reads provided) and meter update through UPD file later (non billing update with reads) **Pre-requisites:** Site with Meter and Convertor update **Expected results:** The first file received Should be accepted, and the subsequent files should be rejected as there is read due to the first asset activity	Other	TBC