Rough Order Magnitude (ROM) Request

Change Reference Number: XRN5068

Please send completed form to: mailto:box.xoserve.portfoliooffice@xoserve.com

Section A: Change Details	
Change Title	Update of AUG Table to reflect new EUC bands
Will the Change impact the UNC (YES / NO)	Yes
MOD Reference (if raised)	Modification 0711S: www.gasgovernance.co.uk/0711
Contact Details of Person Requesting the ROM	
Contact Name	Steve Mulinganie
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Section B: Xoserve Acknowledgement and Business Analyst Contact Details *(Xoserve CIO Office will add)*	
ROM Received Date	**23.12.19** *response period extended due to the Christmas period
ROM Response date	**15.01.20**
Business Analyst Name	**Rajendar Adepu**
Business Analyst Email	**rajendar.adepu@xoserve.com**
Business Analyst Phone	

Rough Order Magnitude (ROM) Response

Type of ROM Evaluation

Modification 0711 seeks to update the Allocation of Unidentified Gas (AUG) Table contained in UNC TPD Section E Annex E-1 to include the new low-level End User Categories (EUC) Band 1 & EUC Band 2 which were brought in by DSC Change Proposal XRN4665 Creation of New End User Categories. The four new categories for EUC Band 1 and EUC Band 2 are:

High Level Solution Description - New EUC with different UIG Share factor			
EUC Band	**Proposed EUC Code**	**Meter Type**	**Market Sector**
EUC01	xx:Eyy01PD	Prepayment	Domestic SMP
	xx:Eyy01PI	Prepayment	I&C SMP
	xx:Eyy01ND	Non - Prepayment	Domestic SMP
	xx:Eyy01NI	Non - Prepayment	I&C SMP
EUC02	xx:Eyy02PD	Prepayment	Domestic SMP
	xx:Eyy02PI	Prepayment	I&C SMP
	xx:Eyy02ND	Non - Prepayment	Domestic SMP
	xx:Eyy02NI	Non - Prepayment	I&C SMP

This ROM request seeks to understand the system impact and efforts around reflecting the new EUCs within the UIG share factor values.

Currently the UIG share factors only consider EUC Band 1 and Band 2 and not the four additional categories for both bandings. This change would result in the additional EUCs being reflected within the UIG share factor values (potentially historical), loaded by the Demand Estimation Team into Gemini and consequentially feeding into SAP ISU.

** **Workgroup have been discussing what the implementation date could be. Please advise on whether this change would need to be delivered within a Major Release or Minor Release (including Minor Enhancements delivery)**

The Proposed Change

(Xoserve' s understanding of the Modification)

As part of XRN4665, the EUC derivation process considered two additional parameters (Market Sector and Market Type) alongside Local Distribution Zone, Annual Quantity and WAR band. The Market Sectors defined are Domestic Supply Meter Points and I&C Supply Meter Points. Also, the Meter Type was categorised as Prepayment and Non-Prepayment. This created 4 new bands under EUC01 and EUC02:

![XOserve logo]

High Level Solution Description - New EUC with different UIG Share factor			
EUC Band	Proposed EUC Code	Meter Type	Market Sector
EUC01	xx:Eyy01PD	Prepayment	Domestic SMP
	xx:Eyy01PI	Prepayment	I&C SMP
	xx:Eyy01ND	Non - Prepayment	Domestic SMP
	xx:Eyy01NI	Non - Prepayment	I&C SMP
EUC02	xx:Eyy02PD	Prepayment	Domestic SMP
	xx:Eyy02PI	Prepayment	I&C SMP
	xx:Eyy02ND	Non - Prepayment	Domestic SMP
	xx:Eyy02NI	Non - Prepayment	I&C SMP

Modification 0711 seeks to update the AUG Table set out in UNC TPD Section E Annex E-1 and in doing so, reflect these new EUCs as part of the UIG share factor values.

Currently, the UIG share factor values do not vary for the new EUCs across Class. This ROM request is raised to analyse the change requirements to estimate the high-level cost (time/effort) in reflecting the new EUCs as part of the UIG share factor values.

Change Impacts

General Impacts to Xoserve and External Parties:

Below are the high-level impacted processes and systems identified:

SAP ISU:

Internal File Format Changes:

SAP ISU expects EUC Band to be sent with additional classification as UIG Share Factor can be different for the same EUC band – requires USS File format change (internal file from Gemini to UK Link) – EUC Field Data type to be changed from CHAR3 to CHAR5.

Internal Interface Changes:

With the USS file format changes, associated changes are required in processing the Daily USS data to store in SAP DB tables.

Changes in Smearing Process

Technical changes required in Monthly Throughput process to aggregate Daily USS data at Monthly level required for Smearing Process.

Technical changes in calculating the throughput share based on the new EUC Band (CHAR5) and existing EUC band (CHAR3).

Report level Changes

Minor technical changes would be required in Pre-smear, Post-smear and Audit Reports

Supporting Info level Changes

Minor technical changes would be required in aggregating the data at EUC Band (CHAR3) to present the data in K91 Format

<u>SAP BW</u>:

Changes are required on existing EUC tables in BW along with Interface changes. The below are the high-level details of changes in BW:

- Modifications in existing BO reporting Universes to cater the changes
- Report changes for circa 15 reports (including PAAR report).
- File structure changes – From Gemini to BW
- BW Database changes to Meter EUC & AQ Table data
- Regression testing on existing reports and Gemini data flow to BW.

External Interface Impacts (Changes to Screens, Portals, Files, Permitted Values, etc.)

No specific external file format changes are expected.

Impacts to Gemini System:

1. Gemini USS file generation batch job will be modified to accommodate the new UIG SHARE FACTOR values to SAP billing system.
2. The new UIG SHARE FACTOR values will load in Gemini as usual and utilised in critical process like Nomination & Allocation, it is recommended to perform the extensive testing.
3. New UIG SHARE FACTOR values will flow to SAP BW systems as per the current functionality however, regression testing in Gemini is recommended to ensure the same.

Impacts UKL Manual Appendix 5b:

TBC

DSC Service Areas Impacted:

Service Area 15: Demand Estimation

Note: DSC Change Committee will resolve any difference between the funding split implied by the above and the benefit split of the proposed change.

Costs and Timescales

Change Costs (implementation):

An enduring solution will cost at least **£ 115,500** but probably not more than **£185,500** to implement.

Change Costs (on-going):

N/A

Timescales:

This will require a UK Link Major release for implementation

Assumptions:

- Cost and efforts associated with market trials are not in scope of this ROM.
- Any changes in the approach to the solution may impact the overall costs of the change.
- Inclusion of any new requirement or modification of the requirements will change the cost.
- These efforts are based on very high-level analysis, based on the discussion for requirement and solution, the stated efforts may change.
- Workshops will be required before actual commencement of the work.
- The modified USS file format must be reviewed and approved by Business Users before regression testing.
- There will be existing environments used to deliver this change. No extra infra requirements are considered.
- ECMS support would be required in various phases of CR. ECMS efforts have not been captured and is assumed will be part of BAU.
- TCS Ops support would be required in various phases of CR. TCS Ops efforts have not been captured and is assumed will be part of BAU.
- Extensive regression testing is required due to the nature of change.
- Test scenarios must be reviewed and agreed during analysis phase and will be key driver for each phase of the project.
- It is also considered that job modification would be signed off before starting the CUT.
- For PIS phase, it is assumed that one person at least would be required from Gemini, SAP Billing, and SAP BW. However, if any additional resources are required, re-estimation of effort and cost is required.
- It is assumed that majority of changes are required USS file generation job in Gemini. Thorough testing including system testing, integration testing and regression testing is required.
- No retrospective updates to USS Day
- No other changes in USS File Format apart from EUC Field

Dependencies:

N/A

Constraints:

N/A

Observations:

N/A