RETAIL ENERGY CODE

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01	Proposal Plan
02	**Impact Assessment**
03	Consultation
04	Final Recommendation

CHANGE REPORT

I0222 - ESME ID UPDATE REJECTIONS

DOCUMENT VERSION	V1.0
PROPOSED IMPLEMENTATION DATE	TBD
IMPLEMENTATION APPROACH	Big Bang

RESPONSIBLE COMMITTEE	Technical Expert Panel	**CHANGE PATH**	Self-Governance
PRIORITY STATUS	High	**URGENCY**	Standard
IMPACTED STAKEHOLDERS	ERDA, DNOs, Suppliers, MOAs		

LEAD ANALYST (SOLUTION LEAD)	SUBJECT MATTER EXPERT
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OVERVIEW

The Electricity Smart Meter Equipment (ESME) ID is a unique identifier that provides a designation for a Smart Meter. Electricity Retail Data Agent (ERDA) systems were updated as per the requirements in R0033 to not allow for multiple incidences of an individual ESME ID to be registered, and reject the update, even when a second incidence of an ESME ID would be legitimate, for example in the case of a re-use of Metering Asset or a Crossed Meter. This Issue seeks to resolve this feature of the ESME ID validation while maintain data accuracy.

RETAIL ENERGY CODE

CONTENTS

1 Summary 3
2 Problem Statement 3
3 Impacts 3
4 Cross-Code Impacts 4
5 Proposal plan 4
6 Stakeholder Engagement 4
7 Priority Status and Urgency 5
8 Summary of Analysis Undertaken 6
9 Proposed Solution 6
10 Draft Legal Text 7
11 Appendix 7
12 Glossary 8

BACKGROUND

1 SUMMARY

The issues underlying I0222 result from an unintended consequence of the implementation of the R0032 requirements; these consequences were not highlighted during the R0032 impact assessment process. The ESME ID was introduced in R0032 and implemented in November 22. More background information can be found in the Change Report for R0032.

Where the ESME ID sent within a Market Message is subject to validation, currently the ERDA only permit for a single instance of an ESME ID to be used. Validation is conducted at a Distributor level by ERDA. This results in a system where an ESME ID may only appear once in a Distribution Network Operator (DNO)'s portfolio, which can result in unintentional consequences beyond the intended validation effects.

The inability to accept beyond a single ESME ID means that it is not possible, for instance, for a supplier to re-use a Metering Asset, once removed, in a different property, as the ID remains the same in the new property as the old. This results in both operational difficulties for the supplier, the DNO, and ERDA, as well as a poor Consumer outcome, as billing and switching processes may be affected.

2 PROBLEM STATEMENT

ERDA data validation on the ESME ID and Number of Displayed Register Digits Data Items in the D0312(MM00256) Market Message is imperfect and can result in invalid rejections. For the ESME ID this occurs when more than one incidence of an ESME ID is passed through individual ERDA system, as it only allows for a single occurrence, even if historic ones have been end-dated.

In situations where a Metering Asset has been re-used, thus re-using the ESME ID, a rejection will occur, in an example of an unintended functionality of the validation system.

3 IMPACTS

CONSUMERS
Smart Consumers - Indirect

REC SERVICE PROVIDERS
ERDA

REC PARTIES AND SERVICE USERS
Suppliers
MOAs
DNOs

REC DOCUMENTS / PRODUCTS
TBD

MHHS DESIGN	MHHS DATA SPECIFICATION	MHHS CODE DRAFTING
Indirect	TBD	N/A

ERDA will be impacted directly as they carry out the ESME ID validation process. Suppliers and MOAs will be impacted as Parties who receive the D0312 rejection Market Message containing the ESME ID rejection reason.

There is also an indirect impact on the MHHS Program – whilst the I0222 solution options will not affect MHHS drafting, these validation errors need to be resolved quickly, as the ESME ID Data Item is used (and must be used accurately) in several planned MHHS processes.

Smart Consumers will be impacted as D0312 rejections may lead to inaccurate data being available via EES at the time of a Switch.

4 CROSS-CODE IMPACTS

The ESME ID Data Item is not changing, only how it is validated so no SEC impact is expected.

5 PROPOSAL PLAN

Milestone	Activity	From	To
Definition		**04 Feb 25**	**31 May 25**
	Solution Development	Feb	March
	Legal Review	Feb	March
	Impact Assessment	Feb	May

6 STAKEHOLDER ENGAGEMENT

The Code Manager has engaged (and will continue to do so), as needed, with industry as the Issue has developed. This Issue was discussed at the February 25 REC Change Issues Group (CHIG) meeting in order to workshop the proposed solution options. The Issue will be discussed at future meetings of the CHIG as required.

The Code Manager will also discuss this Issue at various other forums (such as the Technical Change Workshop, and the REC Issues Group), on an as-needed basis.

RETAIL ENERGY CODE

7 PRIORITY STATUS AND URGENCY

PRIORITISATION MATRIX

Category	Significance / Resource impacts / Urgency	Further selection / breakdown	Score (0-3)	Weighting	Weighted Score
Impacts	Consumer Impact	Direct	2	27	53
	Retail Markets Impact	Innovation and Market Arrangements	2	17	33
	RECCo / REC Party / REC Service Provider Impact	Operational Effectiveness and Efficiencies	2	7	13
		Legal and Regulatory Compliance	0	14	0
Resource	Complexity / Effort / Duration		2	9	18
Strategic Alignment	Contribution to/ Alignment with the objectives of the REC		2	17	17
	Contribution to/ Alignment with RECCo's Forward Work Plan		1		8
Urgency *(The need to progress a change to meet a targeted date)*		Other Planned Activity	2	10	20
				Overall Priority Score (rounded)	163

Priority Score	Priority Status
171 and above	Critical
151 to 170	High
101 to 150	Medium
0 to 100	Low

Priority Status	HIGH
Change Proposal Type	STANDARD

Urgent Change Proposals meet the Criteria for Urgency as set out by Ofgem

This Issue has been given a priority status of High, based on a score of 163. This score has been calculated on the basis of most metrics having been given a score of moderate impact/complexity/urgency. This reflects the substantial scale of change that this Issue seeks to deliver, as it will resolve unintended functionalities that impact systems affecting Consumers, the MHHS Programme, and multiple REC Parties and a Service Provider.

SOLUTION

8 SUMMARY OF ANALYSIS UNDERTAKEN

The Code Manager has worked with the MPRS Provider, RECCo, MHHS program experts and the REC CHIG to develop a solution that addresses the problem statements and meets the data cleanse needs of the MHHS program.

The proposed solution will align the current ESME ID validation arrangements with the proposed arrangement for the MHHS program. Post-MHHS ESME ID validation rules are found in the IF-005 message specification; the proposed solution would apply this to ESME IDs relating to pre-MHHS and non-MHHS Metering Assets.

The Code Manager has ruled out changes to the "Number of Displayed Register Digits" Data Item (DI51600/J2313) as part of the scope of I0222. This is because progression of these changes within I0222 will extend the timescales of the Issue due, and because the outcomes can be achieved via a Change Request to be issued by the MHHS program.

9 PROPOSED SOLUTION

The Code Manager is proposing changes to the Data Specification to modify the Data Enumerations value list for the MOP Flow Response Code (DI51544/J2256) Data Item in order to align Code V with validation found in the MHHS program Interface Catalogue Data Item IF-005.

MOP Flow Response Code (DI51544/J2256): Enumeration V:

Current Drafting:

Rejected - ESME ID exists in MPRS. Not Removed Meter, Associated Import/Export MSID or Related MPAN

Proposed Drafting:

Rejected - ESME ID already live in MPRS on an Installed Meter MSN for an MPAN.

Tracked Changes:

Rejected - ESME ID already live in MPRS on an Installed Meter MSN for an MPAN. ~~and does Nnot match Removed Meter, Associated Import/Export MSID or Related MPAN.~~

The Code Manager expects that by retaining the removed elements of the enumeration ("Not Removed Meter, Associated Import/Export MSID or Related MPAN") in the MPRS validation rules, the alignment in the Data Specification to the MHHS IF-005 validation for Code V can be achieved with no loss of existing validation functionality.

The Code Manager will look to initiate conversations on consequential changes to MPRS validation in parallel with the progression of changes to the Data Specification.

10 DRAFT LEGAL TEXT

The legal text changes to deliver the proposed solution to I0222 can be found here.

11 APPENDIX

CHANGE PROPOSAL	Link
RELATED CHANGE – R0032	Link
LEGAL DRAFTING	Link

RETAIL ENERGY CODE

12 GLOSSARY

TERM	DEFINITION
Data Item	means the most granular level of data defining a specific attribute in respect of a data type, the permissible values for which are defined and controlled in the Data Item Catalogue.
DNO	means a person holding an Electricity Distribution Licence.
Crossed Meter	means that a meter installed at a Consumer's premises is associated to an RMP for another premises.
ERDA	means a provider of a DNO's Electricity retail data service.
Market Message	means a structured communication sent between two Market Participants in the form and with the content required (and as otherwise specified) by the Data Specification.
Metering Asset	shall have the same meaning as Metering Equipment.
MOA	means a Party which has Qualified in that role under the Qualification and Maintenance Schedule. Where used in respect of a particular Metering Point, it means the MOA Appointed by an Electricity Supplier in accordance with the Metering Operations Schedule. The MOA is accountable for the installation, replacement, repair and maintenance of electricity Metering Equipment (either itself or by an EMO), and the MOA must also therefore be Accredited under the Metering Accreditation Schedule.
Energy Supplier	means a person which is either or both an Electricity Supplier and/or a Gas Supplier.
Switch	means a change to the Registered Supplier for an RMP.