RETAIL ENERGY CODE

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01	Proposal Plan
02	Impact Assessment
03	Consultation
04	Final Recommendation

CHANGE REPORT

I0341 – IMPROVED VALIDATION FOR DI51599 - ELECTRICITY SMART METER EQUIPMENT (ESME ID)

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

RESPONSIBLE COMMITTEE	Technical Expert Panel	CHANGE PATH	Self-Governance
PRIORITISATION CATEGORY	Standard	URGENCY	Standard
IMPACTED STAKEHOLDERS	Data Services, Electricity Retail Data Service, EES Users, Metering Equipment Managers, Meter Operator Agents		

LEAD ANALYST (SOLUTION LEAD)	TECHNICAL LEAD	ASSURANCE LEAD	SUBJECT MATTER EXPERT
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OVERVIEW

This REC Issue seeks to update the ESME ID validation rules to prevent invalid ESME IDs being displayed in the Electrical Enquiry Service (EES).

CODE MANAGER RECOMMENDATION

The Code Manager recommends that the REC Change Panel:

- **APPROVE** the Proposal Plan, including the Responsible Sub-Committee, Change Path, Priority Status, Urgency and timetable.

RETAIL ENERGY CODE

CONTENTS

Code Manager Recommendation 1
1 Summary 3
2 Problem Statement 3
3 Impacts 3
4 Cross-Code Impacts 4
5 Proposal Plan 4
6 Stakeholder Engagement 4
7 Prioritisation Category and Urgency 4
8 Solution 5
9 Appendix 6
10 Glossary 6

BACKGROUND

1 SUMMARY

A Distribution Network Operator (DNO) has raised an issue with the Electrical Smart Metering Equipment (ESME ID) data stored in the Supplier Meter Registration Service (SMRS). Some of the ESME IDs are passing MPRS basic validation but are being rejected when sent onwards to the appointed Meter Operator Agent (MOA), preventing a change of service (Rejection of IF-033 'SMRS Request for Supplier Agent Appointment' with IF-035 'SMRS Appointment Status Notification' Response R).

The ESME ID is also communicated within the IF-033 and IF-035 agent appointment messages. The issue then arises that an invalid ESME ID within the IF-033 request leads to a failed validation and a rejected appointment. To resolve this, the currently appointed MOA must correct the data via an IF-005 'MTD Updates to SMRS' message. The Electricity Enquiry Service (EES) is displaying invalid ESME IDs which have been accepted by SMRS.

R0032 - New Registration data items and processes to support the transition to Market-wide Half-Hourly Settlement (MHHS) introduced ESME ID as a new data item to be added into SMRS and displayed in EES to facilitate MHHS data cleansing activities. R0032 amended the D0312 Market Message to introduce the current ESME ID Validation (XX-XX-XX-XX-XX-XX-XX-XX (0-9, A-Z)).

2 PROBLEM STATEMENT

EES is displaying some ESME IDs which are invalid despite passing SMRS validation. These ESME IDs do not match up with the ESME ID validation rules in the Data Communications Company (DCC) systems. This can also prevent a change of MOA as these ESME IDs are being rejected by the incoming MOA. I0341 has been raised to update the ESME ID validation rules.

3 IMPACTS

REC PARTIES AND SERVICE USERS
Data Services
Electricity Retail Data Service
EES Users
Metering Equipment Managers
Meter Operator Agents

REC DOCUMENTS / PRODUCTS
Schedule 14 – Metering Operations
Data Item Catalogue

REC SERVICE PROVIDERS
DCC

CONSUMERS
Electricity

4 CROSS-CODE IMPACTS

Following initial discussions with the Proposer, it is believed a cross-code change may be required, to update the validation rules in SMRS (thus requiring a Balancing and Settlement Code (BSC)-led Change), or the Data Integration Platform (DIP) rules (thus requiring a DIP-led Change). The Code Manager is liaising with the BSC and the DIP Manager to discuss the solution options and potential cross-code impacts.

I0341 was also raised at the CCSG meetings on 21 September and 19 October for awareness.

5 PROPOSAL PLAN

Milestone	Activity	From	To
Definition		**01 Oct-26**	**30 Apr-27**
	Solution Analysis	October	December
	Solution Development	December	February
	Legal Review	February	March
	Party Impact Assessment	March	April

6 STAKEHOLDER ENGAGEMENT

I0341 was flagged at the CCSG meetings on 21 September and 19 October, and at Change Issues Group on 01 October. No comments were raised, but the Code Manager will continue to keep industry Parties updated as the Issue progresses.

7 PRIORITISATION CATEGORY AND URGENCY

7.1 PROPOSER REVIEW

The Proposer of this Issue has provided a review stating this Issue:

- Does not meet the criteria for Urgency;
- Aligns to the Stragetic Direction Statement by improving the accuracy, completeness and reliability of Smart Meter data, enabling a more digital, efficient and consumer-focused energy system. Improved data quality supports accurate billing, Settlement, flexibility services and smart Tariffs, aligning particularly with SDS Objectives 14 (Digital Energy System), 13 (Consumer-Focused Flexibility), 12 (Efficient Market Signals) and 2 (High Quality of Service);
- Has a medium level of importance as the increased accuracy of data improves switching times for Smart Meter Customers; and
- Has a medium level of complexity to add the enhanced validation into MPRS.The Proposer would like to avoid IF-005 changes until the D0312 is decommissioned. The Proposer believes that REGEx change to EMDS and DIP Schema would have a low

impact that could be implemented sooner, this would not prevent ESME IDs being invalid in the D0312 only the IF-005.

Their review can found in the initial submission form here.

7.2 CODE MANAGER REVIEW

The Code Manager is proposing this Issue be given an Urgency Status of Standard and a Prioritisation Category of Standard.

The Code Manager believes this Issue:

- Does not meet the Ofgem criteria for Urgency;
- Has a low alignment to the Strategic Direction Statement compared to other Changes;
- Has medium importance as it delivers useful but broadly comparable benefits to other Standard changes; and
- Has a medium complexity as it may require a cross-code Change Proposal.

8 SOLUTION

Following initial discussions with the Proposer, the Code Manager plans to explore two main solution options:

- Option A (SMRS) would require more than a format validation rule update for ESME IDs. When the ESME ID is created, there is a template incorporating three components which act as identifiers for specific attributes, including the Supplier. Option A would look to emulate that validation within SMRS.
- Option B (DIP) would be to add a REGEx format structure to the DIP Schema. This would mean that if an invalid ESME ID is submitted, it would fail based on the structural validation. However, valid ESME IDs could potentially be deemed invalid via this method if it does not comply with the DCC's method for creating ESME IDs. It might be structurally valid as an EUI-64 address, but still not represent a legitimate DCC-issued ESME ID.

Legal text changes have not yet been confirmed.

RETAIL ENERGY CODE

9 APPENDIX

CHANGE PROPOSAL	Link

10 GLOSSARY

TERM	DEFINITION
Balancing and Settlement Code (BSC)	means the Balancing and Settlement Code, as defined in the Electricity Supply Licences.
Data Communications Company (DCC)	means each person holding a DCC Licence. Regarding transition from the Original DCC Licensee to the Successor DCC Licensee, see Paragraph 1.6
Data Integration Platform (DIP)	means the data integration platform made available pursuant to the BSC.
Distribution Network Operator (DNO)	means a person holding an Electricity Distribution Licence.
Electricity Enquiry Service (EES)	means the service described as such in the EES Service Definition.
Marketwide Half-Hourly Settlement (MHHS)	means market-wide half hourly settlement, which is being introduced pursuant to the BSC (see MHHS Implementation).
Meter Operator Agent	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.