RETAIL ENERGY CODE

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REFERENCE	**R0006**
STATUS	**For Information**
VERSION	**1.0**

R0006 – SOLUTION

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1 PURPOSE

The purpose of this document is to provide an outline of the solution being considered for R0006 – Missing Meter Technical Details, and to allow the reader to have an understanding of these solutions and provide feedback.

2 BACKGROUND

2.1 CHANGE OVERVIEW

When a Switch occurs, with a concurrent change of Metering Equipment Manager (MEM), and the Meter Technical Details (MTDs) are not received by the Gaining Supplier's MEM, they are unable to provide them to the Gaining Supplier. Lack of MTDs can impact Consumers, Suppliers, and other industry Parties.

The Change Proposer has highlighted that there is currently no defined escalation process available to Suppliers, enabling them to chase for missing MTDs following a Switch.

2.2 PROBLEM STATEMENT

On a Switch, the new MEM and Supplier need to receive the MTDs from the previous MEM to complete the setup of the Consumer's account and billing records. Where MTDs are not sent, there is no dispute or escalation process to resolve this. This prevents the new Supplier from setting up the Consumer's account and issuing a timely and accurate bill.

3 SOLUTION OVERVIEW

Within the REC, there are no means to escalate for missing MTDs that have already been requested via a MM00075 (D0170 – Request for Metering System Related Details). The proposed solution will introduce a new process and make necessary technical changes to allow this escalation to take place.

To facilitate this, it will also introduce a process that will allow MEMs to respond with a rejection to requests for metering system related details, meaning there will be a response expected in all cases by the requesting MEM. This ensures that escalations will only be raised when they are valid.

For this, the Code Manager proposes to make the following changes to the REC, and Technical Specification:

- **New Market Message variant -** MM00369 (D0382 – Rejection Response for Request to LDSO for Site Technical Details) to allow a MEM-to-MEM variant, with appropriate rejection codes to set out why a MEM could not forward the MTDs.
- **New Data Item enumerations -** DI51504 (J2215 – D0170 Rejection Description), new enumerations added that will provide a rejection reason, to set out why the MTDs cannot be forwarded.
- **A new process type** for the Secure Data Exchange Portal (SDEP) to mark an interaction with an escalation flag for a missing response from a MM00075 (D0170).
- **Legal Text within Schedule 14 – Metering Operations** to obligate the use of a MM00369 (D0382) to reject a D0170 request for MTDs.

In addition, Electricity MEMs would be added as a new user category to the SDEP, which would consequently require changes to be made to Schedule 17 – Secure Data Exchange as well as the Secure Data Exchange Service Definition to reflect MEMs as a user of SDEP.

3.1 NEW SDEP PROCESS TYPE FOR MM00075 (D0170) ESCALATION

To facilitate an escalations process for missing responses to a MM00075 (D0170) Market Message, changes will be required to the SDEP. These changes will require:

- The creation of a new process type for flagging an interaction where an escalation has occurred due to the MM00075 (D0170); and
- Addition of MEMs as a user category within the SDEP.

Changes to Schedule 14 – Metering Operations will set out the obligations to utilise the new process type, which would add an escalation flag to a MEM-to-MEM interaction.

The process type will initially be dealt with by an operational contact within the recipient organisation, after 5 Working Days (WDs) it will be possible to escalate this message to that recipient organisation's Contract Manager, and then following another five WDs to the Code Manager. This process is intended to replicate the disputed reads escalations process.

With this new process type, the Code Manager will have access to reporting for performance and compliance monitoring purposes.

MEMs will be added as a new user category to SDEP, with access to flag escalations. Reporting will be available to MEMs, to replicate reporting available for other SDEP Users currently[1].

For clarity, MEMs will only be required to use SDEP for escalations associated with missing MTDs.

The proposed technical specification can be found here.

3.2 MM000369 (D0382) – REJECTION RESPONSE FOR REQUEST TO LDSO FOR SITE TECHNICAL DETAILS

Changes are required to the Market Message MM00369 (D0382), this will serve as the response to a MM00075 (D0170), when the recipient is not able to send the requested details.

[1] SDEP User Guide section 3.2

This Market Message was chosen to be adapted for these purposes as it was created for Licensed Distribution System Operators (LDSOs) to respond to an invalid MM00075 (D0170) and contains the DI51504 (MM00075 (D0170) Rejection Description) Data Item. This makes it the most appropriate choice for a MM00075 (D0170) from MEM-to-MEM.

The changes to the Market Message include:

- Removal of “to LDSO” in the title;
- Amendment to the description, to allow this to be sent following a MM00075 (D0170) with an Action Code 06 (transfer meter technical and commissioning details to new MOP); and
- New scenario variant to account for this to be sent MEM-to-MEM.

There will be no changes to the Data Items contained within the Market Message (i.e., the message structure), however there will be changes to the DI51504 Data Item itself as described in section 3.3 of this document.

The redlined version of MM00369 (D0382) can be found in the technical specification here.

3.3 DI51504 (J2215) – MM00075 (D0170) REJECTION DESCRIPTION

To allow the MM00369 (D0382) to be used for a MEM-to-MEM communication, new enumerations for Data Item DI51503 (J2214) – D0170 Rejection Description need to be added. These enumerations will set out the reasons the recipient MEM cannot send the requested MTD information.

The redlined version of DI51504 (J2215) can be found within the technical specification here.

Value	Description	Intention
06	MEM has never been appointed to MPAN	This will be used when recipient MEM has never been appointed to the MPAN.
07	MEM De-appointed >5 years ago	This will be used when the recipient MEM has not been the Appointed MEM for at least 5 years – this confirms they are not the losing MEM and are not confident in the quality of the MTDs they hold.
09	Incomplete MTDs – missing MM00051 (D0150)	These codes will be used when the recipient MEM has only partial MTDs on record and are missing the information listed within the description.
10	Incomplete MTDs – missing MM00047 (D0149)	
11	Incomplete MTDs – missing MM00260 (D0313)	
12	Incomplete MTDs – Flow set is incomplete	

13	Invalid MTDs held and cannot be sent	These codes will be used when the recipient MEM does not hold valid MTDs.
14	MM00075 (D0170) request invalid	

3.4 LEGAL TEXT CHANGES SCHEDULE 14 – METERING OPERATIONS

New rows will be introduced into the interface tables in Schedule 14 - Metering Operations. This will add two new obligations to the 'change of agent and Switch' process, for both HH and NHH supplies. The new rows are intended to:

- Require a Losing MEM to send a rejection to the MM00075 (D0170) when they are not able to forward MTDs in the required timeframe of 2WD; and
- Enable the Gaining Supplier to enter an escalations process when a MM00075 (D0170) has not been responded to, either with the required meter details, or a rejection via a MM000369 (D0382).

Change will be made to the following sections.

- Section 9 – switch with a concurrent Change of MEM
  - **9.6** – as 9.6.10 and 9.6.11 for Electricity MEM (Half Hourly)
  - **9.7** – as 9.7.10 and 9.7.11 for Electricity MEM (Non-Half Hourly)
  - **9.8** – as 9.8.9 and 9.8.10 for Electricity MEM (No Meter) Half Hourly
  - **9.9** – as 9.9.9 and 9.9.10 Electricity MEM (No Meter) Non-Half hourly

The numbering within the Schedule has been corrected to consider the addition of these rows and small housekeeping amendments will also be made to these tables.

3.5 OTHER LEGAL TEXT CHANGES

In addition to the legal text changes set out in section 3.4, changes will be made to:

- **Schedule 9 – Qualification and Maintenance**. This schedule requires there to be text added to section 2.8 for MEMs to become SDEP Users.

  2.8 (c) becoming a Secure Data Exchange Service User in accordance with the Secure Data Exchange Schedule.

Schedule 17 – Secure Data Exchange

The below removes reference to MEMs only using SDEP for crossed meters.

3.1. The following Parties are entitled to become SDEP Users and/or CMRP Users:

(a) Energy Suppliers;

(b) Distribution Network Operators (DNOs) (SDEP only); and

(c) Electricity Metering Equipment Managers ~~(CMRP only)~~.

3.2. Each Energy Supplier, Metering Equipment Manager and Distribution Network Operator is entitled to become an SDEP User by virtue of being a Party, Each such Party shall Qualify (and remain Qualified) as an SDEP User in accordance with the Qualification and Maintenance Schedule.

- Secure Data Exchange Service Definition

10 Service Users

10.1. The SDEP shall be accessible to:

(a) Energy Suppliers;

(b) Distribution Network Operators;

(c) Metering Equipment Managers; and

(d) the Code Manager.

10.2. Energy Suppliers, Metering Equipment Managers and Distribution Network Operators need to become and (remain) Qualified as SDES Users.

4 SOLUTION UNDER MHHS TARGET OPERATING MODEL

The Market Wide Half Hourly Settlement Target Operating Model separates the electricity market into segments based on the type of meter installed and that meter's capabilities. With this, the Smart segment (RMPs with a Smart Meter installed with a Wireless Area Network) will have the MTDs stored by a centralised registrations service, which will also be responsible for issuing these MTDs to Gaining Suppliers.

This means that the solution proposed here will not be relevant for the Smart segment post MHHS go-live as it will not be the Losing Suppliers responsible for forwarding MTDs, and there will be no MM00075 (D0170) sent to them to escalate.

Further work is required to fully understand the impacts of MHHS on the problem statement within this Change Proposal, and this will be fully considered within the case for change that will be presented within the Preliminary Change Report.

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5 APPENDICIES

5.1 APPENDIX 1 – NEW SDEP PT

MMxxxx - 001 – Request for Metering System Related Details Escalation (Elec)

Message Flow

Market Message Reference	MM Description	Legacy Reference	Version	Notes
MMxxxx	Required		001	

Scenario Variants

Scenario Variant	Name	Source	Target	Owner
SVxxxxx	PTxxxx – Request for Metering System Related Details Escalation (Elec)	Electricity Metering Equipment Manager	Electricity Metering Equipment Manager	Retail Energy Code Company

Data Items

Data Item ID	Legacy Reference	Name
DI90218	SDEP	Additional comments
DI90222	SDEP	Data Flow File ID
DIxxxxx	SDEP	D0170 sent date
DI90232	SDEP	MPAN

DIxxxx	SDEP	New MEM effective from date

Flow Structure

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name
	SDEP Form Collection	1-1		G								
					1							MPAN
					O							New MEM effective from Date
					1							Initial D0170 Sent
					1							Data Flow File ID
					O							Additional comments

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5.2 APPENDIX 2 – CHANGES TO D0382

MM00369 - D0382 - ~~001~~002 - Rejection Response for Request ~~to LDSO~~ for Site Technical Details

Message Flow

Market Message Reference	MM Description	Legacy Reference	Version	Notes
MM00369	The rejection of a D0170 request sent with Action Code 21 (Provide Site Technical Details) or Action Code 06 (Transfer meter technical and commissioning details to new MOP) ~~when sent from a MOP to a Distributor~~	D0382	~~001~~ 002	

Scenario Variants

Scenario Variant	Name	Source	Target	Owner
SV00369	Rejection Response for Request for Site Technical Details	Distribution Network Operator	Electricity Meter Equipment Manager	Retail Energy Code Company

SV00370	Rejection Response for Request for Site Technical Details	Electricity Meter Equipment Manager	Electricity Meter Equipment Manager	Retail Energy Code Company

6 DATA ITEMS

Data Item ID	Legacy Reference	Name
DI50003	J0003	MPAN Core
DI51504	J2215	D0170 Rejection Description

7 FLOW STRUCTURE

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name
94L	MPAN Cores	1-*		G								
					1							MPAN Core
					1							D0170 Rejection Description

7.1 APPENDIX 3 – CHANGES TO J2215

DI51504 - J2215 - D0170 Rejection Description

Data Item

Data Item Reference	Item Description	Legacy Reference	Data Item Owner	Logical Length	Decimal Length	Physical Length	Data Type	Data Type Format
DI51504	Reason given by the DNO to the MOP why a D0215 cannot or should not be sent when a request for such flow is received via the D0170 flow with Requested Action Code 21 or 06.	J2215	Retail Energy Code Company	2	0	2	String	Edifact Level B DTS Variant

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Data Item Enumerations

Value	Description
01	Measurement transformers installed pre 6 November 2008 (BSC CP1225)
02	Measurement transformers not owned by DNO and are unlikely to ever be adopted into DNO ownership.
03	Measurement transformers not DNO owned and not yet adopted into DNO ownership.
04	DNO not relevant network operator for Metering Point.
05	Measurement transformer ratio(s) unknown
06	MEM has never been appointed to MPAN
07	MEM De-appointed >5 years ago
08	Requested details not held by associated MEM
09	Incomplete MTDs – missing D0150
10	Incomplete MTDs – missing D0149
11	Incomplete MTDs – missing D0313
12	Incomplete MTDs – Flow set is incomplete
13	Invalid MTDs held and cannot be sent
14	D0170 request invalid

8 MARKET MESSAGES

Market Message
MM00369
MM00372