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<b>Paper Reference:</b>	<b>TABASC_46_1909_21</b>
<b>Action:</b>	<b>For Discussion</b>

## MP077 Business Requirements review

### 1. Purpose

This paper requests the Technical Architecture and Business Architecture Sub-Committee (TABASC) discuss whether the [MP077 'DCC Service Flagging'](#) business requirements are suitable to submit to the DCC for Preliminary Assessment, after incorporating the TABASC input from a previous meeting.

This way, the signed off business requirements will have the support of both the TABASC and the MP077 Working Group before committing to the Proposed Solution as requested at the TABASC meeting on 20 June 2019.

### 2. Context and Proposed Solution

The industry needs a simple and reliable mechanism for identifying where smart devices are, or are not, present at a location. This information is necessary for suppliers to establish whether there is a smart metering system (SMS) they can communicate with at that location, and for distributors to correctly handle alerts. Issues have been identified in the current process where the DCC Service Flagging is incorrect and hinders the switching process for some consumers with smart meters.

The proposed solution is to amend the DCC Service Flag states. The 'W' for Withdrawn Flag will be removed as the Service Request used to trigger this state has been removed from DUIS version 3.0. A new 'N' for Non-Active Flag will be introduced. This flag will cover the following states:

- Installed, not yet commissioned
- Decommissioned
- Recovery/Recovered

By aligning the SEC to the way DCC Service Flags are used, and by introducing the new N Flag, this will provide clarity over the state of an SMS.

### 3. TABASC Discussion

Annex A to this paper sets out the MP077 business requirements, which have been agreed by the Working Group. We ask the TABASC to discuss whether the business requirements are suitable for requesting a Preliminary Assessment from the DCC. If there are any issues with the current MP077 business requirements, we ask TABASC Members to highlight any areas that need amendment and rationale before issuing for Preliminary Assessment.

#### 4. Recommendations

The TABASC is requested to:

- **CONSIDER** The contents of the MP077 business requirements in Annex A; and
- **DISCUSS** whether the MP077 business requirements should be submitted to DCC for Preliminary Assessment.

Harry Jones

SECAS Team

12 September 2019

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# MP077 ‘DCC Service Flagging’

## Business requirements – version 0.2

### About this document

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This document contains the business requirements for this Modification Proposal. It provides detailed information on the business requirements for the Proposed Solution agreed by the Proposer, with input from the Data Communications Company (DCC) and Sub-Committees. It also provides the considerations and assumptions for each business requirement with respect to this Modification Proposal.

## 1. Business requirements

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This section contains the functional business requirements. Based on these requirements a full solution will be developed.

Business Requirements	
Ref.	Requirement
1	DCC to implement a method of understanding if there is a SMS currently at a premise.
2	DCC to have a reliable source of information on the state of DCC Service Flags.
3	DCC to implement a new Service Flag state of "N" for Non-Active to inform where a Device has been installed but not commissioned/set to active.

## 2. Considerations and assumptions

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This section contains the considerations and assumptions for each business requirement.

### 2.1 General

The DCC Service Flag provides the information about state of a Smart Metering System at the consumer premise. The three current states of the DCC Service Flagging are the following:

- “A” for Active;
- “W” for Withdrawn; and
- “S” for Suspended.

The solution will look to address the issue of DCC Service Flags that are currently displaying incorrect information.

This is an initial set of business requirements and will look to be refined further with Working Group input before being used to issue a Preliminary Assessment.

### 2.2 Requirement 1: To implement a method of understanding if there is a SMS currently at a premise.

This requirement obligates the DCC to implement a means of identifying whether there is at least one Device enrolled in a Smart Metering System at a premise.

Currently, the means of identifying Devices is done through noting whether a Smart Metering System (SMS) is active or not. An active SMS is identified by at least one Metering Device that has been commissioned on the SMS.

The current implementation doesn't account for Devices that may have been removed from the SMS or that don't deliver all of the smart functionality. If all Metering Device have been removed from the SMS the status of the SMS remains as active.

Therefore, a more granular approach is required as part of the Modification Proposal's solution to allow for situation where the SMS ceases to exist due to all Metering Devices being removed or not being available.

### 2.3 Requirement 2: To have a reliable source of information on the state of DCC Service Flags.

This requirement obligates the DCC to provide reliable and consistent updates on the state of Service Flags.

At the moment, Service Flags describing the state of the SMS are being set to inaccurate values. Smart Energy Code (SEC) Parties have noted that this inaccuracy has made the switching process of Smart Meters and other Devices harder to complete. It also may result in Suppliers mis-selling a service to consumers if the Service Flag misinforms the Supplier of which services they can provide to the consumer. With reliable information of DCC Service Flags being an integral part of Ofgem's Switching Programme plans, this is required as part of the Modification Proposal's solution.

This requires DCC to remove the “W” for Withdrawn Flag from the DCC Flagging System. With the “W” Flag requiring a Service Request which is not currently used in DUIS and future versions, this Flag is obsolete and needs removing.

DCC will also provide summaries for the current “A” for Active and “S” for Suspended DCC Service Flag States so it can be accurately placed in the SEC. These are required to remove ambiguity from when Flag states are used and to prevent SEC Users being misinformed.

## **2.4 Requirement 3: To implement a new Service Flag state of “N” for Non-Active to inform where a Device has been installed but not commissioned/set to active.**

This requirement obligates the DCC to create a new DCC Service Flag state of “N” to indicate a Non-Active SMS. The “N” flag will be added as a new state to the existing D350M flow.

SEC Parties have identified that after a SMS is fully operational, the flag is set to “A”. However, this flag state did not change on these systems, despite having had all Devices removed from the SMS at a later time.

The proposed “N” flag will be used to identify an SMS with installed Devices where the Devices are not fully operational or have not been commissioned. Until the SMS can deliver the full range of functionality, the DCC Service Flag associated with the SMS will be set to “N”; upon successful commissioning of the Device the DCC Service Flag will be set to “A”.

The “N” Flag is to be used when the following changes occur:

- One or multiple Metering Devices have been added to the SMS and the DCC is informed by the Responsible Supplier that the Devices are in the state “InstalledNotCommissioned”;
- All Metering Devices on the SMS have been set to the state “Decommissioned”; and
- All Metering Devices on the SMS have been set to the states “Recovery” or “Recovered”.

Any time the “N” Flag is used, the D350M flow will be sent over to provide the relevant information to the User.

### 3. Glossary

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This table lists all the acronyms used in this document and the full term they are an abbreviation for.

Glossary	
Acronym	Full term
DCC	Data Communications Company
SEC	Smart Energy Code
SMS	Smart Metering System