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DP132 'DLMS references in GBCS'

Modification Report Version 0.1



About this document

This document is a draft Modification Report. It currently sets out the background, issue, and progression timetable for this modification, along with any relevant discussions, views and conclusions. This document will be updated as this modification progresses.

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Contact

If you have any questions on this modification, please contact:

Emmanuel Ajayi

020 8132 4134

emmanuel.ajayi@gemserv.com

1. Summary

This proposal has been raised by Tony Pile from Landis + Gyr.

Device Language Message Specification (DLMS) develops, maintains, supports and promotes the specifications for data exchange for Smart Metering, smart energy management and related fields. The DLMS User Association (UA) publishes four books; Green, Blue, Yellow and White. The Green and Blue Books are referenced in the SEC, specifically in SEC Schedule 8 'Great Britain Companion Specification' (GBCS).

The DLMS UA have issued new versions of the DLMS Green and Blue Books, meaning the references within the SEC are no longer valid.

The proposal is to update the SEC to replace the current wording to specific DLMS books specific editions must be referenced so meter manufacturers can be confident of which editions relate to which specific GBCS versions.

GBCS references to earlier versions of the Blue and Green book should be updated to allow manufacturers to comply and make use of the new functionality if they wish to.

2. Issue

What are the current arrangements?

The Device Language Message Specification (DLMS) develops, maintains, supports and promotes the specifications for data exchange for Smart Metering, smart energy management and related fields. The DLMS UA publishes four books as set out below:

DLMS Books		
Book	Version number currently referenced in SEC	Contents
Green	DLMS UA 1000-2 Ed. 8	Communication and structure of Devices, which enables Devices to be ready for communication.
Blue	DLMS UA 1000-1 Ed. 12.0	Technical detail of how data is stored in electricity meters and how this information needs to be actioned
Yellow	Not specifically referenced	Testing protocol for what has been defined in the Green and Blue books
White	Not specifically referenced	Definitions within the DLMS

What is the issue?

The DLMS have issued a new version of the DLMS Green and Blue Books. This makes the references within the SEC in need of updating. Schedule 8 'GBCS' references Green Book (DLMS UA 1000-2 Ed. 8) and Blue Book (DLMS UA 1000-1 Ed. 12.0), whereas DLMS are now onto Ed.9 and Ed.13 respectively.

The yellow book only allows use of Conformance Testing Tool (CTT) 3.1, which in turn aligns with new versions of the Green Book (DLMS UA 1000-2 Ed. 8.3) and Blue Book (DLMS UA 1000-1 Ed. 12.2).

What is the impact this is having?

The Yellow book states testing needs to be applicable to the latest version of the Conformance Testing Tool (CTT) 3.1. From 3 March 2020 CTT 3.0 or any testing done against CTT 3.0 is no longer valid.

This has an impact on the Central Product List (CPL) submissions, as meter manufacturers are required to test their Devices against the CTT in order to submit their Devices to the CPL. If a Device is not listed on the CPL, the DCC cannot communicate with it.

Since GBCS references to earlier versions of the Blue and Green book, it should be updated to allow manufacturers to comply and make use of the new functionality if they wish to. For further clarity these are minor changes does not affect the Device functionality defined in GBCS.

Appendix 1: Progression timetable

This proposal will be presented to the Change Sub-Committee (CSC) on 26 May 2020.

Timetable	
Event/Action	Date
Draft Proposal raised	21 May 2020
Presented to CSC for initial comment	26 May 2020

Appendix 2: Glossary

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

Glossary	
Acronym	Full term
CPL	Central Product List
CTT	Conformance Test Tool
DMLS	Device Message List Specification
GBCS	Great Britain Companion Specifications
SEC	Smart Energy Code
UA	User Association