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DP136 'Enduring ICHIS Compliance Related to RF'

Modification Report

Version 0.1

14 July 2020



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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1. Summary

This proposal has been raised by Tom Woolley from SMS PLC.

The Data Communication Company's (DCC's) derogation period for Intimate Communications Hub Interface Specification (ICHIS) Radio Frequency (RF) levels ended in March 2020. A number of electricity meters remain in the supply chain but not installed that are no longer compliant following the end of the derogation, which would make them unusable.

The Proposer believes that the SEC is in the process of supporting innovative changes to allow the re-use of meters. The Proposer feels there are also multiple scenarios where a meter, once compliant should be able to be re-deployed.

The Proposer believes the wider impacts would lead to inefficiency across the supply chain of reported meters installed negative cost-benefit impact on Parties with a large number of meters that have become non-compliant.

2. Issue

What are the current arrangements?

The ICHIS refers to common interface between Communications Hubs and Smart Meters. The DCC review ICHIS annually to ensure it is fit for purpose and implementation. Removing Radio Frequency (RF) noise experienced by Communications Hubs to increase efficiency is a factor in ensuring ICHIS is fit for purpose.

Meters can produce RF noise which can reach a point where the signal degrades from the host to the Communications Hub. In the winter of 2018, the DCC confirmed that it would make amendments to the ICHIS that temporarily adjusted the RF limits applicable to meters at a range of different frequencies in certain regions. This resulted in a period of derogation up to and including 30 September 2019¹, during which Suppliers would be permitted to continue to install meters which were outside of the limits set in Part F of the ICHIS. The derogation period was then extended to December 2019, however eventually concluded in March 2020.

What is the issue?

The Proposer believes that there is a relatively small stock of meters that are non-compliant now that the derogation period has ended but are still usable within the derogation criteria. Furthermore, where a meter was previously installed under these conditions, if it is removed it could be re-installed, where possible and in line with WAN Coverage.

However, due to the derogation period ending and the criteria of the derogation (namely that the derogation is set at installation date rather than procurement date) these installs would be non-compliant. The Proposer believes any such meters left in vans and warehouses or removed from premises could now be re-deployed.

There are multiple scenarios where a meter, once compliant should be able to be re-deployed, including:

- obsolete stock, in Meter Operator's supply chain
- repatriated/re-usable meters
- recyclable or re-usable meters (as a result of industry change to allow so)

What is the impact this is having?

The Proposer believes ICHIS's permitted RF levels should create flexibility to consider derogated levels (as per WAN Coverage) of already manufactured meters. The impacts of not having this flexibility would have larger negative impacts regarding meter installation and environmental inefficiency. In addition, the Proposer believes there would be a negative cost-benefit impact on Parties such as meter manufacturers and Suppliers with a large number of meters that have become non-compliant. This would be most evidenced in the form of a high write off stock if non-complaint meters are unable to be used.

¹ [DCC Changes to ICHIS consultation](#)

Furthermore, the Proposer believes the impacts would be unwarranted installations and unnecessary wastage, leading to negative environmental impacts and inefficiency. This is because suppliers are obliged to install SMETS2 Complaint Meters, for them to be counted towards roll out; therefore, meters installed by Suppliers would now not be regarded as SMETS compliant and therefore would not contribute to smart meter rollout. Being able to re-use non-compliant meters would create a higher level of environmental efficiency and cost benefit.

Appendix 1: Progression timetable

The recommended approach for this Draft Proposal is to be presented to the Change Sub-Committee for initial comment on the issue. The Change Sub-Committee will then present final comments on the issue.

Timetable	
Action	Date
Draft Proposal raised	14 Jul 2020
Presented to CSC initial comment	28 Jul 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
CH	Communications Hub
CSC	Change Sub-Committee
ICH	Intimate Communications Hub
ICHIS	Intimate Communications Hub Interface Specifications
DCC	Data Communications Company
RF	Radio Frequency
SEC	Smart Energy Code
SMETS	Smart Metering Equipment Technical Specification