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# DP147 'SMKI Full Extract

## Modification Report

Version 0.1

23 October 2020



Managed by



## About this document

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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

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This proposal was raised by Chun Chen on behalf of the Data Communication Company (DCC).

Each day, the DCC provides a full Smart Meter Key Infrastructure (SMKI) extract. The full extract is now taking several hours for Parties to download, and more than 24 hours for the DCC to produce.

## 2. Issue

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### What are the current arrangements?

Currently the DCC provides a full SMKI extract as required by SEC Appendix O 'SMKI Repository Interface Design Specification', Section 2.3.3.

- DCC have an obligation to ensure that the SMKI Repository SFTP interface enables DCC Gateway Connection Users' systems to download the files that are lodged in the SMKI Repository, where they have successfully established a connection to the SFTP Interface
- The DCC shall ensure that the Organisation Certificates and OCA Certificates contained within the two Device anchor slot Certificate files shall be the same.
- DCC shall lodge a document in the SMKI Repository, which sets out details of which of the base set of Organisation Certificates and OCA Certificates may be placed in specific Device anchor slots.

### What is the issue?

The issue is the full SMKI extract, which is run daily, is currently 16GB in size, and will only grow as Devices are added to the DCC ecosystem. This full extract is now taking several hours for Parties to download, and more than 24 hours for the DCC to produce.

### What is the impact this is having?

The impact of not amending the production of the report is the risk of the DCC not being able to meet their obligations in the current time scales to produce full extract for download and for Parties to download it.

## Appendix 1: Progression timetable

This Draft Proposal was raised on 23 October 2020 and will be presented to the Change Sub-Committee on 27 October 2020.

Timetable	
Event/Action	Date
Draft Proposal raised	23 Oct 2020
Presented to CSC for initial comment	27 Oct 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
DCC	Data Communications Company
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator and Secretariat
SMKI	Smart Meter Key Infrastructure
SFTP	SSH File Transfer Protocol
SSH	Security Shell