



Department for  
Business, Energy  
& Industrial Strategy

# Smart Metering Implementation Programme

## Communications Hub Technical Specifications (CHTS)

**Version 1.1 Draft 3: Release Note**  
**30 May 2017**

# Release Note

This release note accompanies, but does not form part of CHTS V1.1 Draft 3. It describes the principal changes and updates to CHTS V1.0<sup>1</sup>, and the recent revision history of CHTS.

## Summary of main changes

The sections of CHTS listed below incorporate the principal changes and updates made to CHTS V1.0 that have been adopted through a number of Resolution Proposals following the BEIS Technical Specifications Issues Management process<sup>2</sup>.

## Table of Section Changes

The sections of CHTS 1.1 Draft 3 listed below incorporate details of changes and updates made, as follows:

Section	Changes
Various	<p>There are a number of amendments in the following categories:</p> <ul style="list-style-type: none"> <li>• addition of functionality to allow for operation of Communications Hubs in Sub GHz Bands;</li> <li>• changes to improve clarity of drafting;</li> <li>• changes to improve the consistent use of the Glossary Terms; and</li> <li>• grammatical and typographical corrections identified since the last published version.</li> </ul> <p>Such amendments have been made to a number of sections and are not detailed further in this table</p>
4.2.2	Change to ZigBee certification date from February 2016 to July 2017
4.3	Addition of requirements for the HAN Interface where it operates in Sub GHz Bands
4.4.2.1	<p>Section changes as follows:</p> <ul style="list-style-type: none"> <li>• Addition of functionality for communications with Devices operating in the Sub GHz Bands; and</li> <li>• SMETS requires that it must be possible to link four Type 2 Devices to an ESME. This section has been aligned with that SMETS requirement in a way that does not increase the minimum number of Devices supported by a Communications Hub</li> </ul>
4.4.2.2.2	The drafting has been revised to clarify which Commands and Responses a GPF must support in its links with a PPMID
4.4.4	The text in v1.48 Section '4.4.4 – Buffering' implied that there was a minimum requirement for the Communications Hub to buffer Commands over the WAN interface, which is incorrect. It buffers Responses and Alerts only over its WAN interface. The reference to buffering Commands in relation to the WAN interface has been removed
4.4.6.1	The requirement to log and alert, when a downloaded firmware image's verification (prior to activation) fails, has been removed in line with GBCS
4.4.5	Addition of monitoring requirements for operation in Sub GHz Bands
4.5	Addition of text to specify which functionality only applies to Dual Band

<sup>1</sup> CHTS V1.0 was designated in November 2016. In September 2016 the document named CHTS V2.0 Draft 1 was Base-lined by the TBDG. CHTS V2.0 Draft 1 was subsequently renamed 'CHTS 1.1 Draft 1' as part of RFC-055 issued to TBDG 13 Jan 17.

<sup>2</sup> <https://decc.huddle.net/workspace/34269213/files/#/41125520>

Section	Changes
	Communications Hubs
4.5.1.12	New section for addition of a Command to support operation in Sub GHz Bands
4.5.2, 4.5.4.5 and 4.6.3.9	Removed the requirement on GPF to hold a copy of some GSME Constant Data
4.5.4.5	Amended text to limit the reading of GPF constant data to the GPF identifier
4.6.2.5	New section for addition of configuration data items for operation in Sub GHz Bands
4.6.3.9	This section has been changed to make clear that the GPF does not need to maintain a copy of the GSME's Events Configuration Settings data item
4.6.3.12 4.6.3.13 4.6.3.14	New sections for addition of operational data items for operation in Sub GHz Bands
5: Glossary	<p>Amended definition for:</p> <ul style="list-style-type: none"> <li>ESME modified to allow a meter meeting ESME requirements to be used as a micro generation meter without activating other regulatory requirements associated with use of ESME as the main import meter, ZigBee Smart Energy Profile (SEP) modified to reference GBCS.</li> </ul> <p>Added definitions for:</p> <ul style="list-style-type: none"> <li>Dual Band Communications Hub, Dual Band Mesh Communications Hub, Frequency Agility and Sub GHz Bands</li> </ul> <p>Removed definition for:</p> <ul style="list-style-type: none"> <li>GSME Constant Data</li> </ul>

Release Note: Table of Section Changes

**CHTS Document Revision History**

Version	Rev	Date of Issue	Change Summary
1.0	Final	08/11/2016	Version of CHTS incorporated into the Smart Energy Code (SEC) for DCC Release 1.2
1.1	Draft 1	17/08/2016	Baselined by TBDG 21 September 2016
1.1	Draft 2	13/01/2017	Baselined by TBDG 31 January 2017
1.1	Draft 3	04/05/2017	Issued to TBDG for review prior to aselining
1.1	Draft 3	30/05/2017	Draft 3 Baselined by TBDG 30 May 2017

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