

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Elimination of Common Frame Concept per May Agreement	
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Source(s)	Ken Stanwood NextWave Wireless. Mariana Goldhamer Alvarion. Wu Xuyong Huawei.	Voice: +86-755-28976776 Fax: kstanwood@cygnuscom.com
Re:	IEEE 802.16h-07/013 Task Group Review of P802.16h/D2b	
Abstract	Instructions for Elimination of Common Frame Concept.	
Purpose	To consolidate the 16h draft.	
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Elimination of Common Frame Concept per May Agreement

Ken Stanwood

NextWave Wireless

Overview

At the end of session 49 in May, it was agreed by the task group that the concept of a “common” frame could be eliminated. However, due to the fact that the decision was made at the end of that session and was based on numerous inputs, no specific editorial instructions were available for the editor. So, IEEE P802.16h/D2b [1] still contains the concept of common frames. This document gives editorial instructions to remove common frames.

Specific editorial changes

~~This section provides a list of changes to IEEE P802.16h/D2b document [1].~~

~~Blue underlined text represents specific editorial additions.~~

~~Red strikethrough text is to be deleted.~~

~~Black text is text already in the draft.~~

~~***Bold italic*** text is editorial instructions to the editor.~~

~~***On page 4, line 37, delete section 3.102.***~~

~~***On page 72, line 28, delete-replace the word “common” by “shared”.***~~

~~***On page 72, line 47, remove the common sub-frames from Figure h25. Instruct the editor to arrange the figure h25 accordingly.***~~

~~***On page 73, line 61, change “Common sub-frames” to “shared sub-frames”.***~~

~~***On page 74, line 22, delete-change section 15.1.5.2: as:***~~

15.1.5.2 Master sub-frames and the Common sub-frame

The maximum number of different Master sub-frames is 3. They can optimally accommodate three systems sharing a frequency channel or a number of systems interfering on co-channel and adjacent channels. The usage of common subframe is optional.

The timing of the Master/Common sub-frames is provided in section 15.7 for each regulatory frequency band.

~~***On page 74, line 49, delete-change the sentence: “The optional common sub-frame preceding a Slave within a CXCC allocation will not be transmitted.”***~~

~~***On page 76, line 47, change “and will be allowed to use the Common sub-frame” to “and may be allowed to use the Slave sub-frame.” (Goes to Mariana’s adhoc)***~~

~~***On page 99, line 12, delete-change the word “common” to “shared”.***~~

~~***On page 100, line 23, in the rightmost box, delete-change the word “common” to “shared”.***~~

~~***On page 109, line 15, delete-change the sentence that begins “The SS that operates such that it does not interfere with other systems...”to***~~

” The SS that operates such that it does not interfere with other systems can use ~~either one of the~~ optional Common sub-frame, Shared or the Master sub-frame for their data traffic, while the data traffic of SSs operating with interfering conditions can only be scheduled within the Master sub-frame.”

On page 109, line 34, ~~delete-change~~ the word “Common,” to optional Common

On page 109, line 35 delete the sentence starting with “In order to respect the...”

~~On page 109, line 38, delete the entire sentence.~~

~~On page 109, line 40, delete “the Common and” and change “sub-frames” to “sub-frame”~~

On page 109, line 44, ~~remove the common subframes from Figure h46.~~ Instruct the editor to draw a figure without common sub-frames before figure h46, with introducing sentence.

On page 110, line 1, remove ~~the common subframes from~~ Figure h47.

On page 110, line 40, change “Common” to “Shared”

On page 111, line 1, delete “after transmitting the DL Common sub-frame” and change the following sentence into ” If “Listen-before-talk” is supported, will have to implement a min. 50 us “Listen-before-talk” in order to sense the media before the 802.16-slave sub-frame start.”

On page 111, line 36, delete “, with the exception of the Common sub-frame,”

On page 111, line 45, delete “, with the exception of the common sub-frames,”

On page 111, line 51, delete “the other Common sub-frames or”

~~On page 114, line 16, remove common subframes from Figure h51. (Also this figure shows the alternative frame structure that was removed.)~~

On page 115, instruct the editor to delete lines 18-57, including common frames in Figure h52 and introduce shared frames since they are no longer necessary.

References

[1] IEEE P802.16h/D2b: Air Interface for Fixed Broadband Wireless Access Systems Improved Coexistence
IEEE C802.16h-07/059
Mechanisms for License-Exempt Operation, Working Group Draft.