

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	IEEE 802.16a (2-11 GHz) Corrections	
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Re:	Call for contribution IEEE 802.16d-02/01	
Abstract	Errata in 802.16a	
Purpose	Provide corrections to the IEEE802.16a draft standard.	
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IEEE802.16 2-11 Corrections

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General

This contribution present several fixes to the 802.16a, 2-11GHz mode, i.e. to the text provided in P80216a_D7. The fixes are of editorial errors, or minor additions that prevents ambiguity in interpretation of the standard.

Fixes:

(Note: all page numbers are according to document numbering and not PDF numbering)

Section: 8.5.5.3

Page: 200

Line: 30

Synopsis:

The power boosting indication were inserted following a comment suggested this change to be done in the DL-MAP information element. The intention was that the BS would indicate to the SS which of the DL sub-channels where boosted.

The change was done by mistake to the UL-MAP information element and not to the DL-MAP information element. The nature of the mistake was that the comment concerned the DL-MAP IE, but the page number and section referred by mistake to the UL-MAP IE.

Correction:

Page 200, table 116bp:

Page 200, line 30, remove the row containing the '**Boosting**' field.

Page 200, line 60-61, remove lines (description of the **Boosting** field)

Page 200, line 27, change the number of bits of **Subchannel offset** field from 5 to 6.

Page 200, line 32, change the number of bits of **No. OFDM Symbols** field from 9 to 10.

Page 197, line 31, change the number of bits of **Subchannel offset** field from 6 to 5.

Page 197, line 33, change the number of bits of **No. OFDM Symbols** field from 10 to 9.

Page 197, line 32, add new row after the row with **Subchannel offset** field:

Syntax	Size	Notes
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Boosting	2 bits	00: normal (not boosted); 01: +6dB; 10: -6dB; 11: not used.
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Page 197, line 56, add the following line:

Boosting

Indication whether the carriers for this allocation are power boosted.

Section: 8.5.4.3

Page: 192

Line: 56

Synopsis:

There is currently ambiguity concerning boosting of carriers in the downstream transmissions since there is definition of boosting part of the downstream sub-channels, according to the specific sector's activity. There is no indication whether the FCH (i.e. the DL-Frame prefix and the MAPs) are boosted or not. This comment fixes the ambiguity of the DL-Frame prefix, by deterministically specifying that it shall always be boosted by +6dB.

Correction:

Change line to:

“The DL Frame prefix is always transmitted using the burst profile QPSK-1/2 with the mandatory coding scheme and power boosted with +6dB.

Section: 8.5.4.3

Page: 193

Line: 24

Synopsis:

There is currently ambiguity concerning boosting of carriers in the downstream transmissions. Since there is definition of boosting part of the downstream sub-channels, according to the specific sector's activity. There is no indication whether the FCH (i.e. the DL-Frame prefix and the MAPs) are boosted or not. This comment fixes the ambiguity of the DL Information transmitted in the FCH.

Correction:

Page 193, line 24, change the number of bits of the **Reserved** field from 4 to 2.

Page 193, line 25, add new row after the row of **Reserved** field:

Syntax	Size	Notes
Boosting	2 bits	00: normal (not boosted); 01: +6dB; 10: -6dB; 11: not used.

Page 193, line 45, add the following line:

Boosting

Indication whether the carriers for the FCH are power boosted.

Section: 11.4.1.2.7

Page: 260

Line: 21

Synopsis:

It seems to be a cut-and-paste error, but the description text is not relevant to the specific clause (relevant for 11.4.1.2.7 and 11.4.1.2.8)

Correction:

In 11.4.1.2.7 change:

“This field indicates the types of transmit diversity supported by a SS for UL transmission. A bit value of 0 indicates “not supported” while 1 indicates “supported.””

to

“This field indicates the FFT size to be used for transmission. A bit value of 0 indicates 256 FFT points while 1 indicates 2048 FFT points“

In 11.4.1.2.8 fix the following paragraph into a correction description (not clear from the text and context what direction this capability should represent, especially with context of 11.4.1.6):

“This field indicates the types of transmit diversity supported by a SS for UL transmission. A bit value of 0 indicates “not supported” while 1 indicates “supported.””