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Title	Editorial change in OFDMA parameter sets for SBC-REQ/RSP message	
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Re:	IEEE Std 802.16-2004/Cor2/D2	
Abstract	This document contains editorial change in OFDMA parameter sets for SBC-REQ/RSP message.	
Purpose	Adoption of proposed changes into Std. 802.16-2004/Cor2/D1	
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Editorial change in OFDMA parameter sets for SBC-REQ/RSP message

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Background

There are some editorial errors in OFDMA parameter sets for SBC-REQ/RSP message. For example, some parameter sets have TLV encodings which doesn't exist any more. Therefore, we have to fix the errors in the parameter sets.

Proposed Changes

[Modify the title of the section 11.8.6 on Page 406 as follows]

11.8.6 Extension Extended subheader capability

Change the text fragment as indicated:

Specifies extension extended subheader capability supports:

[Modify the section 11.7.20 on Page 398 as follows]

11.8.3.7.20 OFDMA parameters sets

This field indicates different parameter sets supported by a WirelessMAN-OFDMA PHY MS. This field is not used for other PHY specifications. If necessary, MS and BS may send additional TLVs to override functions and values defined in the parameter sets of this TLV.

Type	Length (bytes)	Value	Scope
204	1	<u>Bit#0: support OFDMA PHY parameter set A</u> <u>Bit#1: support OFDMA PHY parameter set B</u> <u>Bit#2-#4: HARQ parameters set</u> <u>0b000: HARQ set 1</u> <u>0b001: HARQ set 2</u> <u>0b010: HARQ set 3</u> <u>0b011: HARQ set 4</u> <u>0b100: HARQ set 5</u> <u>0b101-0b111: reserved</u> <u>Bit#5: support OFDMA MAC parameters set A</u> <u>Bit#6: support OFDMA MAC parameters set B</u> <u>Bit#7: reserved</u> <u>Note: Bit#0 and #1 shall not be set to 1 together. Bit #5 and #6 shall not be set to 1 together.</u>	<u>SCBSBC-REQ</u> <u>SBC-RSP</u>

[Modify the table “OFDMA PHY parameter set B” on Page 400 as follows]

Sets	Items	Sub-items	References
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<u>OFDMA PHY parameter set B</u>	<u>Subscriber transition gap</u>	SSTTG = 50 μ sec	11.8.3.1
		SSRTG = 50 μ sec	
	<u>OFDMA SS demodulator</u>	64 OAM	11.8.3.7.2
		CTC	
		STC	
		HARQ chase	
		Dedicated pilot	
	<u>OFDMA SS modulator</u>	CTC	11.8.3.7.3
		HARQ chase	
	<u>OFDMA SS permutation support</u>	AMC 2 X 3 support	11.8.3.7.4
	<u>OFDMA SS MIMO uplink support</u>	Single-antenna Collaborative SM	11.8.3.7.6
	<u>OFDMA SS CINR measurement capability</u>	Physical CINR measurement from the preamble	11.8.3.7.9
		Physical CINR measurement for a permutation zone from pilot subcarriers	
		Effective CINR measurement for a permutation zone from pilot subcarriers	
	<u>OFDMA SS uplink power control support</u>	Uplink open loop power control support	11.8.3.7.11
	<u>OFDMA MAP capability</u>	Extended HARQ IE capability	11.8.3.7.12
		Sub MAP capability for first zone	
	<u>Uplink control channel support</u>	Enhanced FAST_FEEDBACK	11.8.3.7.13
		ULACK	
	<u>OFDMA MS CSIT capability</u>	CSIT compatibility type A	11.8.3.7.14
Sounding response time capability = next frame			
Max number of simultaneous sounding instructions = 2			
SS does not support P values of 9 and 18 when supporting CSIT type A = 0 (SS supports P values of 9 and 18)			
<u>OFDMA SS demodulator for MIMO support</u>	2-antenna STC matrix A	11.8.3.7.5	
	2-antenna STC matrix B vertical coding		
<u>OFDMA SS modulator for MIMO support</u>	Capable of single antenna Capable of collaborative SM with one antenna	11.8.3.7.16	

[Modify the table “OFDMA MAC parameter set A” on Page 403 as follows]

Sets	Items	Sub-items	References
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<u>OFDMA MAC parameter set A</u>	<u>Capabilities for construction and transmission of MAC PDUs</u>	<u>Ability to receive requests piggybacked with data</u>	<u>11.8.2</u>
		<u>No ability to use 3-bit FSN values used when forming MAC PDUs on non-ARO connections</u>	
	<u>PKM Version Support</u>	<u>PKM version 2</u>	<u>11.8.4.1</u>
	<u>Authorization policy support</u>	<u>EAP-based authorization at the initial network entry</u>	<u>11.8.4.2</u>
		<u>EAP-based authorization at re-entry</u>	
	<u>MAC (Message Authentication Code) Mode</u>	<u>CMAC</u>	<u>11.8.4.3</u>
	<u>PN window size</u>	<u>PN Window Size in PNs = 128</u>	<u>11.8.4.4</u>
	<u>Power save class types capability</u>	<u>Power save class type I supported</u>	<u>11.8.5</u>
	<u>ExtensionExtended subheader capability</u>	<u>No support of extended subheader format</u>	<u>11.8.6</u>
	<u>HO Trigger metric support</u>	<u>BS CINR mean = Yes</u>	<u>11.8.7</u>
<u>BS RSSI mean = Yes</u>			
<u>Relative delay = No</u>			
<u>BS RTD = No</u>			
<u>Association type support</u>	<u>No support of association</u>	<u>11.8.8</u>	

[Modify the table “OFDMA MAC parameter set B” on Page 403 as follows]

<u>Sets</u>	<u>Items</u>	<u>Sub-items</u>	<u>References</u>
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<u>OFDMA MAC parameter set B</u>	<u>Capabilities for construction and transmission of MAC PDUs</u>	<u>Ability to receive requests piggybacked with data</u>	<u>11.8.2</u>
		<u>No ability to use 3-bit FSN values used when forming MAC PDUs on non-ARO connections</u>	
	<u>PKM Version Support</u>	<u>PKM version 2</u>	<u>11.8.4.1</u>
	<u>Authorization policy support</u>	<u>EAP-based authorization at the initial network entry</u>	<u>11.8.4.2</u>
		<u>EAP-based authorization at re-entry</u>	
	<u>MAC (Message Authentication Code) Mode</u>	<u>CMAC</u>	<u>11.8.4.3</u>
	<u>PN window size</u>	<u>PN Window Size in PNs = 128</u>	<u>11.8.4.4</u>
	<u>Power save class types capability</u>	<u>Power save class type I supported</u>	<u>11.8.5</u>
	<u>Extension-Extended subheader capability</u>	<u>Support of extended subheader format</u>	<u>11.8.6</u>
	<u>HO Trigger metric support</u>	<u>BS CINR mean = Yes</u>	<u>11.8.7</u>
		<u>BS RSSI mean = Yes</u>	
<u>Relative delay = No</u>			
<u>BS RTD = Yes</u>			
<u>Association type support</u>	<u>No support of association</u>	<u>11.8.8</u>	