Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**	
Title	**CINR Averaging Factor for Scanning**	
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Re:	Corrigendum 2, Reply Comments for LB23a	
Abstract	A proposal is presented for CINR Averaging Factor for Handovers.	
Purpose	Review and approve.	
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CINR Averaging Factor for Handover

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Introduction

The existing standard places an upper limit on the CINR averaging period of 255 milliseconds. This is clearly insufficient for a high mobility environment.

Text Changes

1. Remove “trigger average duration” from tables 348f and 358b, HO triggers

2. In table 358, add the dedicated default averaging factor for HO via TLV in DCD called "Default HO RSSI and CINR averaging parameter". This parameter uses as a default averaging weight for HO dedicated mean CINR and RSSI metrics. The default value for this parameter shall be 1/128 (0x7) for Intra-FA CINR and RSSI, while the default parameter shall be 1/16 (0x4) for Inter-FA CINR and RSSI.

Name	Type	Length	Value
Default HO RSSI and CINR averaging parameter	121	2	Bit #0-3: Intra-FA HO Alpha averaging parameter for physical CINR measurements as follows: 0x0: 1 0x1: 1/2 0x2: 1/4 0x3: 1/8 0x4: 1/16 0x5: 1/32 0x6: 1/64 0x7: 1/128 0x8: 1/256 0x9: 1/512 0x10-0x15: Reserved Default value shall be 0x7 Bit #4-7: Intra-FA HO Alpha averaging parameter for physical RSSI measurements as follows: 0x0: 1 0x1: 1/2 0x2: 1/4 0x3: 1/8 0x4: 1/16 0x5: 1/32 0x6: 1/64 0x7: 1/128 0x8: 1/256

			0x9: 1/512 0x10-0x15: Reserved Default value shall be 0x7 Bit #8-11: Inter-FA HO Alpha averaging parameter for physical CINR measurements as follows: 0x0: 1 0x1: 1/2 0x2: 1/4 0x3: 1/8 0x4: 1/16 0x5: 1/32 0x6: 1/64 0x7: 1/128 0x8: 1/256 0x9: 1/512 0x10-0x15: Reserved Default value shall be 0x4 Bit #12-15: Inter-FA HO Alpha averaging parameter for physical RSSI measurements as follows: 0x0: 1 0x1: 1/2 0x2: 1/4 0x3: 1/8 0x4: 1/16 0x5: 1/32 0x6: 1/64 0x7: 1/128 0x8: 1/256 0x9: 1/512 0x10-0x15: Reserved Default value shall be 0x4

3. Add the following text below the trigger TLV tables (table 358b for DCD and table 348f in MOB_NBR-ADV):

The averaging factor for the trigger is defined via Default HO RSSI and CINR averaging parameter TLV in DCD message.