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Title	Clarification TLV for repetition during HO	
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Re:	Call for comments, Sponsor Ballot on 802.16e/D8	
Abstract	Draft includes Repetition Coding Indication field which indicates Repetition Coding Indication to perform proper modulation in the cell edge, as a result to get signaling gain. We propose to extend the RNG-REQ and RNG-RSP message encodings.	
Purpose	Change RNG-REQ message encodings for repetition during handover	
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Clarification of TLV for Repetition during HO

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1. Motivation

Even though the current specification supports a number of MCS modulation level, the RNG-RREQ and RNG-RSP message contain only DIUC. Therefore, when SS perform handover or initial ranging at the cell edge, there is no way for SS to communicate BS using a certain MCS level. In this Draft, we offer a solution to overcome this problem including the Repetition Coding Indication.

2. Changes summary

[Insert the new text in the table 364 of section 11.5 as shown below:]

11.5 RNG-REQ management message encodings

Table 364-RNG-REQ message encodings

Name	Type (1 byte)	Length	Value (variable-length)	PHY Scope
Repetition Coding Indication	xx (probably 11)	1	This parameter indicates Repetition Coding Indication Bit 0 -1: denotes Repetition . If this TLV is not presented, it shall be assumed that no repetition coding is adopted. 0b00 – reserved for no adoption of repetition 0b01 - Repetition coding of 2 used 0b10 - Repetition coding of 4 used 0b11 - Repetition coding of 6 used Bit 2- 7: reserved	All

[Insert the new text in the table 367 of section 11.6 as shown below:]

11.6 RNG-RSP management message encodings

Table 367-RNG-RSP message encodings

Name	Type (1 byte)	Length	Value (variable-length)	PHY Scope
Downlink Operational Burst Profile	7	2	This parameter is sent in response to the RNG-REQ Requested Downlink Burst Profile parameter. Byte 0: <u>4 MSB: Specifies Repetition Coding Indication</u> <u>0b0000 - No repetition coding</u> <u>0b0001 - Repetition coding of 2 used</u> <u>0b0010 - Repetition coding of 4 used</u> <u>0b0011 - Repetition coding of 6 used</u> <u>4 LSB: Specifies the DIUC value</u> Byte 1: Configuration Change Count value of DCD defining the burst profile associated with DIUC.	All