

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Section describing change of channel descriptors	
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Re:	Recirculation Ballot #3a	
Abstract	Describes how channel descriptors are changed	
Purpose	Attachment to submitted comment	
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Proposed section describing channel descriptor change

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0.0.1 Update of Channel Descriptors

The channel descriptors, i.e., the UCD and DCD messages, are transmitted at regular intervals by the BS. Each descriptor contains the Configuration Change Count which shall remain unchanged as long as the channel descriptor remains unchanged. All UL-MAP and DL-MAP messages allocating transmissions and receptions using burst profiles defined in a channel descriptor with a given Configuration Change Count value, shall have a UCD/DCD Count value equal to the Configuration Change Count of the corresponding channel descriptor.

The procedure to transition from one generation of the channel descriptors (and as a consequence the set of burst descriptors) to the next is shown in Figure 1 and Figure 2, for the up- and downlink respectively. The Configuration Change Count shall be incremented by 1 modulo 256 for every new generation of channel descriptor. After issuing a DL-MAP or UL-MAP message with the Configuration Change Count equal to that of the new generation, the old channel descriptor ceases to exist and the BS shall not issue UL-MAP and DL-MAP messages referring to it. When transi-

tioning from a generation to the next the BS shall schedule the transmissions, of the UCD and DCD messages in a way, that each terminal has the possibility to hear it at least once.

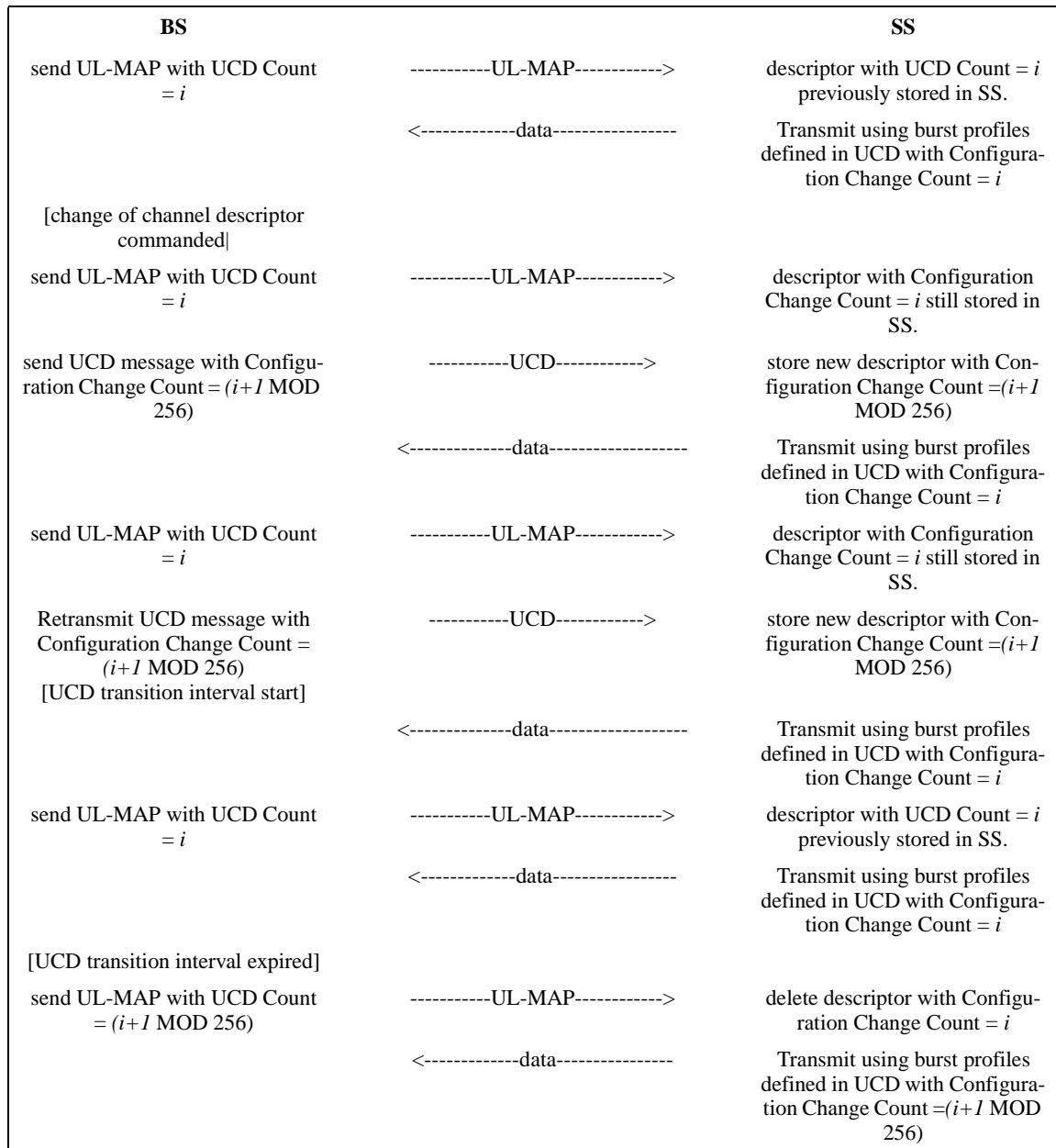


Figure 1—Uplink Channel Descriptor update

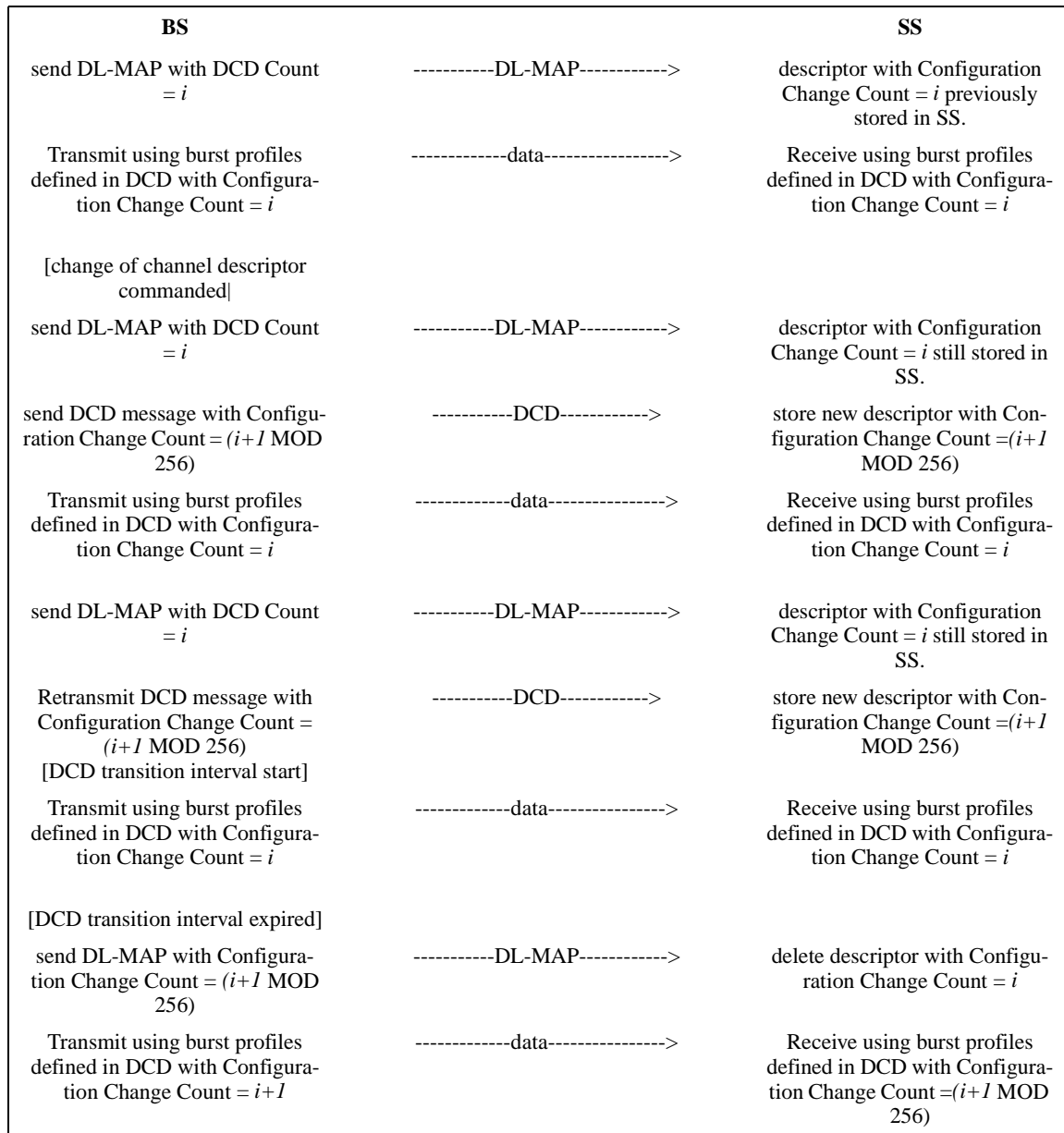


Figure 2—Downlink Channel Descriptor update

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