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Title	Collision Avoidance in UL HARQ (15.2.14.2.1)	
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Re:	Comments on IEEE P802.16m/D2 for IEEE 802.16 Working Group Letter Ballot Recirc #30a	
Abstract	The contribution proposes text changes IEEE P802.16m/D2 in Section 15.2.14.2.1 (HARQ Signaling)	
Purpose	To be discussed and adopted by the IEEE 802.16 Working Group	
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Collision Avoidance in UL HARQ (15.2.14.2.1)

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Introduction

In UL HARQ, the collision may happen between Persistent Allocation (PA) data burst and retransmission data burst because of different timing interval. Also, retransmission data burst may conflicts with Co-located Coexistence (CLC) active interval. In current D2, it is only allowed to change the resource index in the same subframe. However, this cannot solve the whole problem. This contribution proposes skip instruction as an additional solution.

Instructions to Editor

[Adopt the text changes described below starting on page 198, line 55]

Begin proposed text with markup

15.2.14.2.1.2 Uplink

...

In the retransmission procedure, if AMS does not receive a UL Basic Assignment A-MAP IE for the HARQ data burst in failure, AMS shall transmits the next subpacket through the resources in the next frame at the same subframe resource location assigned to the previous subpacket transmission with the same ACID. A UL Basic Assignment A-MAP IE may be sent to signal control information for retransmission with the corresponding ACID and AI_SN being not toggled. Upon receiving the UL Basic Assignment A-MAP IE, AMS shall perform the HARQ retransmission as instructed in this UL Basic Assignment A-MAP IE. As an example, ABS may change the resource index of the HARQ data burst or may command to skip retransmission in the corresponding subframe.

End proposed text with markup