Project	**IEEE 802.16 Broadband Wireless Access Working Group** <http://ieee802.org/16>
Title	**Proposed Text on BW-REQ Channel for Baseline Content of Uplink Control Structure for IEEE 802.16m SDD based on Contribution C802.16m-08/725**
Date Submitted	**2008-07-15**

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Re:	UL Control Rapporteur Group Discussions
Abstract	This contribution provides the requirements on ranging sequences.
Purpose	For review and discussion in the Project 802.16m UL Control Rapporteur Group
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Requirements for Ranging Sequences Design for 802.16m

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1 Introduction

This contribution proposes text for section “11.x.2.5 Bandwidth Request Channel” in C802.16m-08/725 “Proposed Baseline Content on the Uplink Control Structure for the 802.16m SDD”,

2 Proposed text

----------Text start ----------

11.x.2.5 Bandwidth request channel

The random access bandwidth request procedure is described in Figure 11.x.1. A 5-step regular procedure (step 1 to 5) or an optional quick access procedure (step 1,4 and 5) may be supported concurrently. Step 2 and 3 are optional used only in 5-step regular procedure. In step 1, MS sends a bandwidth request indicator that may indicate information such as MS addressing and/or request size (FFS) and/or UL transmit power report (FFS), and the BS may allocate UL grant based on certain policy. The 5-step regular procedure is used independently or as fallback mode for quick access procedure. The MS may piggyback additional BW-REQ information along with user data during UL transmission (step 5).

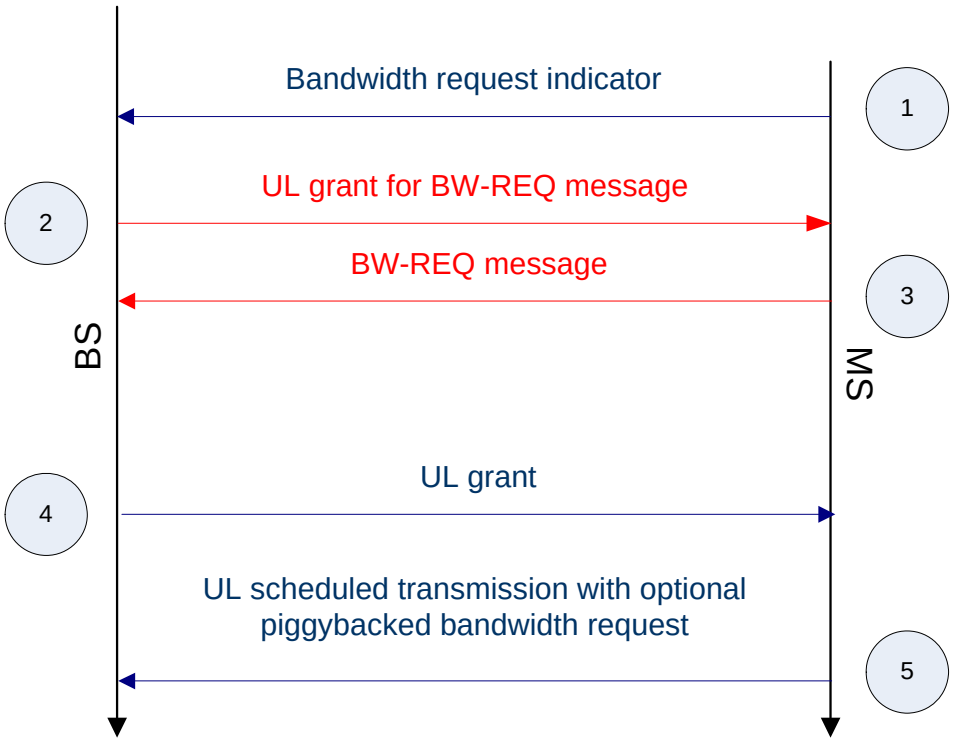

Figure 11.x.1 BW-REQ procedure

11.x.2.5.1 Multiplexing with other control channels and data channels

The BS can configure the allocation in terms of the number of resource units for bandwidth request channel.

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