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Title	RS Initial Ranging with Non-transparent RS
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Re:	IEEE 802.16j-06/034: "Call for Technical Proposals regarding IEEE Project P802.16j"
Abstract	This contribution proposes procedures for RS initial ranging with non-transparent RS
Purpose	Text proposal for 802.16j Baseline Document
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RS Initial Ranging with Non-transparent RS

Introduction

This contribution describes RS initial ranging with non-transparent RS under centralized scheduling scheme. We propose to use distinct ranging code sets for RS and MS as described in C80216j-06/206. In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the baseline working document IEEE 802.16j-06/026r1 are listed below.

Text Proposal

6.3.10 Ranging

6.3.10.3 OFDMA based ranging

6.3.10.3.4 Relaying support for OFDMA based ranging

6.3.10.3.4.10 RS contention-based initial ranging and automatic adjustments with non-transparent RS

An RS that wishes to perform RS initial ranging shall take a process similar to that defined in section 6.3.9.16.2 with the following modifications.

In initial ranging process, the RS initial ranging code is used instead of the (MS) initial ranging code. The code is selected from the RS-initial-ranging domain as defined in 8.4.7.3.

In addition, after MR-BS receiving the RS CDMA initial ranging code, it should be process with higher priority compare to the process for (MS) CDMA initial ranging code. Furthermore, MR-BS may shortcut the RS network entry procedure if the RS information has already been stored in database of MR-BS.