Project		s Working Group http://ieee802.org/16>
Title	<u> </u>	t RS System under Centralized Scheduling
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IEEE 802.16j-07/007r2: "Call for Technical Comments and Contributions regarding IEEE

Re:

	Project 802.16j"	
Abstract	This contribution proposes procedures for MS periodic ranging in non-transparent RS under	
	Centralized Scheduling	
Purpose	Text proposal for 802.16j Baseline Document	
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MS Periodic Ranging in Non-transparent RS System (under Centralized Scheduling

Introduction

This contribution describes MS periodic ranging in non-transparent RS system under centralized scheduling scheme. In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the baseline working document IEEE 802.16j-06/026r2 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

[Insert the following sebclause]

6.3.10.3.4.2 MS periodic ranging and automatic adjustments in non-transparent RS systems

The periodic ranging process shall begin by sending a periodic-ranging CDMA ranging code on the UL allocation dedicated for that purpose.

6.3.10.3.4.2.1 Non-transparent RS with Centralized Scheduling

When RS receives the CDMA code, RS shall locally send RNG-RSP to MS on the access link. In order to send RNG-RSP to MS on the access link, it sends an RS BR header to the MR-BS. Upon receipt of RS BR header at MR-BS, MR-BS will allocate resources for RNG-RSP and indicate to RS with RS DL MAP-IE in DL-MAP.

When the RS receives multiple codes in a frame, the RS sends a RS BR header which contains information of number of received codes

The message sequence charts (Table xxx) and flow charts (Figure xxx and Figure yyy) define the periodic ranging and adjustment process that shall be followed by compliant RSs and MR-BSs.

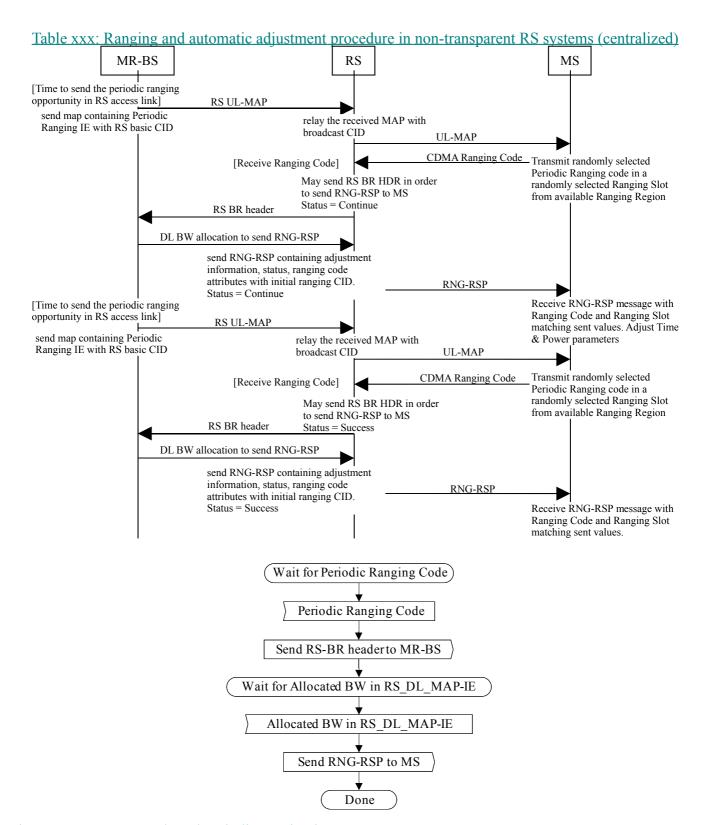


Figure xxx MS CDMA-based periodic ranging in non-transparent RS systems – Access Non-transparent RS

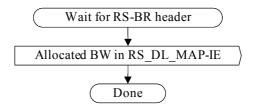


Figure yyy MS CDMA-based periodic ranging in non-transparent RS systems – MR-BS

6.3.10.3.4.2.2 Non-transparent RS with Distributed Scheduling

[This subclause is just a place holder. The contents are in a different contribution.]