Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Comments on SS ranging and automatic adjustments for the RS group**
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Re:	IEEE 802.16j-07/043: "IEEE 802.16 Working Group Working Group Letter Ballot #28"
Abstract	This contribution proposes MS ranging and automatic adjustments for the RS group
Purpose	Text proposal for 802.16j Draft Document.
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Comments on SS ranging and automatic adjustments for the RS group

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Introduction

The accepted contribution (IEEE C802.16j-07/459r6 Comments on SS ranging and network entry in transparent and non-transparent mode) did not include MS ranging and automatic adjustments for the RS group. This contribution proposes remedy for MS ranging and automatic adjustments for the RS group and covers the following comments:

Comment#	subclauses	Authors		Type
673	6.3.10.3.4.2.1	Gamini	Senarath	Technical

In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the draft standard P802.16j/D1 are listed below.

Specification Changes

[Note: The text accepted in the previous meeting (comment #0565: document IEEE C802.16j-07/459r6) are marked in "Gray"*]*

[Delete 6.3.9.16.3.1.1 as following indicated:]

~~6.3.9.16.3.1.1 MS network entry procedures~~

~~Each RS group member shall monitor the CDMA ranging codes from subordinate nodes. If the group parent is not a member of the RS group, then RS group members shall follow the procedures in 6.3.9.16.1. If the group parent is a member of the RS group, then the RS group members other than the parent shall follow the procedure in 6.3.9.16.1, and the parent (if not MR-BS) shall follow the procedures in 6.3.9.16.2.~~

6.3.10.3.1.1 MR-BS and RS behavior during contention-based initial ranging

[Insert the following paragraphs as indicated:]

When an SS performs initial ranging in systems using non-transparent RSs with same BSIDs as the MR-BS, MR-BSs and non-transparent RSs shall perform the same steps as transparent RSs with the following modifications:

— Instead of transmitting the RNG-RSP to the SS directly, the MR-BS shall transmit the RNG-RSP to a non-transparent RSs with RS basic CID, and then RS shall relay the received RNG-RSP to MS with ranging CID.

When an SS performs initial ranging in systems using non-transparent RSs with unique BSIDs and centralized scheduling, MR-BSs and non-transparent RSs shall perform the following tasks:

6.3.10.3.1.2 MR-BS and RSs in the RS group behavior during contention-based initial ranging

When an SS perform ranging in systems with transparent RSs in the RS group, MR-BSs and RSs shall perform the same tasks defined in subclause 6.3.10.3.1.1 for the transparent RS.

When an SS perform ranging in systems using non-transparent RSs with same BSIDs as the MR-BS in the RS group, MR-BSs and RSs shall perform the same tasks defined in subclause 6.3.10.3.1.1 for the non-transparent RSs with same BSIDs as the MR-BS.