### Title
Relaying RNG-REQ/RSP for MS Network Entry

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### Re:
Call for technical proposals regarding IEEE project P802.16j

### Abstract
This contribution proposes text to clarify RS operation of Ranging Process for distributed controlled RS.
This contribution proposes the scheme with which RS supports MS scanning operation.

### Purpose
Discussion and Adoption in IEEE 802.16j

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Relaying RNG-REQ/RSP for MS Network Entry

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Introduction

In IEEE 802.16j Baseline document 06/026r2, the initial ranging process in Non-transparent RS with Distributed scheduling as defined at section 6.3.9.16.2.2 as described in the figure <XXX>-03.

However, when a RS relays RNG-REQ and RNG-RSP between MS and MR-BS, some field in the message is appropriate to be responded by the RS. For example, the Downlink Operational Burst Profile for a MS in RNG-RSP should be responded by the RS since the RS is the actual node which is physically communicating with the MS.

Figure <XXX>-03—Ranging and automatic adjustments procedure in MR mode
Proposed Text Change

[Modify the followings section at section 6.3.9.16.2.2 on page 25]

"Receiving the RNG-REQ containing the MS MAC Address, the RS may decide which TLV is managed by itself in the RNG-RSP. If there is any field to be managed by the RS such as Downlink Operational Burst Profile, the RS omit the TLV from the RNG-REQ and recompose the RNG-REQ message. The RS transmit the RNG-REQ message with the RS basic CID instead of IR CID in the header to MR-BS.

Once the MR-BS receives the RNG-REQ containing MS MAC Address with the RS basic CID, the MR-BS shall assign Basic and Primary management CIDs to the MS, and transmit a RNG-RSP containing those management CIDs and MS MAC Address with the RS basic CID.

The RS receiving the RNG-RSP containing the management CIDs and MS MAC Address may add the TLV field which is managed by RS and shall transmit it to the MS with the initial ranging CID..."