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| Project | IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 > | |
| Title | MS Handover Ranging with RS | |
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| Submitted | | |
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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 MS handover ranging with RS | |
| Purpose | Text proposal for 802.16j Baseline Document | |
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MS Handover Ranging with RS

Introduction

This contribution describes MS handover ranging with RS under centralized scheduling scheme. An RS that supports MS handover ranging shall take a process similar to that defined in C80216j-07/xxx, MS initial ranging with transparent RS and C80216j-07/xxx, MS initial ranging with non-transparent RS. 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

6.3.10.3.6 Relaying support for OFDMA based ranging

6.3.10.3.4.7 MS CDMA handover ranging and automatic adjustment with RS

An RS that supports MS handover ranging shall take a process similar to that defined in section xxx with the following modifications.

In CDMA handover ranging process, the CDMA handover ranging code is used instead of the initial ranging code. The code is selected from the handover-ranging domain as defined in 8.4.7.3.

Alternatively, if the RS is pre-notified by the serving MR-BS for the upcoming handover MS, MR-BS may provide BW allocation information for MS by transmitting an RLY-BST to the RS. Afterward, the RS should construct Fast Ranging IE and send to MS for transmitting an RNG-REQ message.