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<th>Project</th>
<th>IEEE 802.16 Broadband Wireless Access Working Group [<a href="http://ieee802.org/16">http://ieee802.org/16</a>]</th>
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<td>Corrections on MS network entry procedures in transparent RS systems</td>
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<td>Re:</td>
<td>IEEE 802.16j-07/019: “Call for Technical Comments Regarding IEEE Project 802.16j”</td>
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<tr>
<td>Abstract</td>
<td>This contribution proposes corrections on MS network entry procedures in transparent RS systems.</td>
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Correction on MS network entry procedures in transparent RS systems

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Introduction

This contribution corrects sequences chart and flow charts in baseline document IEEE 802.16j-06/026r4 for MS network entry procedures in transparent RS systems such that these charts are consistent with P802.16-2004 Cor2/D4. In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the baseline working document IEEE 802.16j-06/026r4 are listed below.

Moreover, the flow charts of MS network entry procedures in Corrigenda 2/Draft 4 are provided in figure 1 for reference.

(a) Handle CDMA Initial Ranging Code at BS

(b) Handle RNG-REQ (OFDMA PHY only)

Figure 1 MS network entry procedures
Proposed text changes

[Change the following text in line 22 of page 78 as indicated]

When the MR-BS receives initial ranging code or RNG-REQ containing initial ranging code with RS basic CID at the first time, it shall wait for RNG-REQ with the same ranging code from its subordinate RSs for T48 timer.

[Change the figure 199a in page 79 as indicated]

Table 199a—Ranging and automatic adjustments procedure in MR transparent mode
[Replaced the figure 95a in page 80 as indicated]

Figure 95a MS CDMA initial Ranging — Access Transparent RS

1. Wait for Initial Ranging Code
2. Initial Ranging Code
3. Send RNG-REQ (RS basic CID) to MR-BS
4. Done

Figure 95a—Handle CDMA initial ranging code at transparent RS

[Replaced the figure 95b in page 80 as indicated]

Figure 95b MS initial Ranging — Access Transparent RS

1. Wait for RNG-REQ on the burst specified in CDMA Allocation IE
2. RNG-REQ (IR CID, MS MAC address)
3. Send RNG-REQ (RS basic CID, MS MAC address) to MR-BS
4. Done

Figure 95b—Handle RNG-REQ in transparent RS
Wait for Initial Ranging Code or RNG-REQ (RS basic CID, MS IR Code)

Initial Ranging Code or RNG-REQ (RS basic CID, MS IR Code)

Start T48

Wait for RNG-REQ (RS basic CID, MS IR Code) with same ranging code attributes

Wait for RNG-REQ (RS basic CID, MS IR Code) with same ranging code attributes

Select the designated access station for the ranging code attributes

Reported Quality Good Enough?

RNG-RSP (continue or abort, ranging code attribute) with IR CID

Done

RNG-RSP (success, ranging code attribute) with IR CID

Send anonymous BW allocation

Done

Figure 95c—MS CDMA Initial Ranging with Transparent RS — MR-BS

Wait for Initial Ranging Code or RNG-REQ containing initial ranging code

| Initial Ranging Code or RNG-REQ containing initial ranging code |

Start T48

Wait for RNG-REQ with matching ranging code attributes

Timeout T48

RNG-REQ with matching ranging code attributes

Select the designated access station for the ranging code attributes

Good Enough?

Yes

RNG-RSP with status = 1 (continue) to MS

RNG-RSP with status = 2 (abort) to MS

Send anonymous BW allocation

End

RNG-RSP with status = 1 (continue) to MS

RNG-RSP with status = 2 (abort) to MS

Send anonymous BW allocation

Wait for RNG-REQ with RS basic CID

Figure 95c—Handle CDMA initial ranging code in transparent mode at MR-BS
[Replaced the figure 95d in page 82 as indicated]

Figure 95d—Handle RNG-REQ in transparent mode at MR-BS

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