

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	HO Overview Section Cleanup 6 — Target BS Scanning Section	
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Re:	Response to IEEE 802.16e-04/06 (Call for Contributions on IEEE 802.16e/D1)	
Abstract	HO Overview Section Cleanup 6 — Target BS Scanning Section	
Purpose	Correct overview section flow and language in HO Overview Section	
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HO Overview Section Cleanup 6

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Problem:

As currently defined, mechanics for hand-over are incomplete or poorly defined. Elements are out of order.

Remedy:

Revise hand-over process overview to more logical format and increase language clarity.

Remedy 1:

HO Cancellation previously relocated to 1.4.1.2.2.6. Move and consolidate content from **1.4.1.2.4.1 Synchronize with downlink and obtain parameters** and **1.4.1.2.4.2 Obtain uplink parameters**.

[Replace 1.4.1.2.2.3 HO cancellation/rejection, page 12, lines 20-29:]

1.4.1.2.2.3 Target BS Scanning

MSS shall scan Target BS for downlink channel & synchronization and uplink channel & synchronization. If MSS had previously decoded a MOB_BEADV message including Target BS ID, Physical Frequency, DCD and UCD, then the scanning and synchronization process may be shortened. If the Target BS had previously received HO notification from Serving BS over the backbone (see section Backbone network HO procedures), then Target BS may place a non-contention based Fast UL ranging IE() (see 8.2.1.5.5.3.3 Fast ranging (Paging) Information Element, 8.3.6.3.4 Fast ranging (Paging) Information Element, and 8.4.5.3.5 & 8.4.5.3.6 Fast ranging (Paging) Information Element) MSS Initial Ranging opportunity in the UL-MAP. MSS shall scan Target BS for UL-MAP that includes either a contention or non-contention based MSS Initial Ranging opportunity.

Remedy 2:

Delete relocated section.

[Delete 1.4.1.2.4.1 Synchronize with downlink and obtain parameters, page 13, lines 1-6:]

~~1.4.1.2.4.1 Synchronize with downlink and obtain parameters~~

~~For MSS that have used their scanning interval to synchronize with Target BS and have decoded the MOB_NBRADV message in the Serving BS, this stage should be immediate. In other situations this procedure defaults to the one specified for initial network entry.~~

Remedy 3:

[Delete 1.4.1.2.4.2 Obtain uplink parameters, page 13, lines 8-12:]

~~1.4.1.2.4.2 Obtain uplink parameters~~

~~For MSS's that have decoded the MOB_NBR_ADV message, this stage should be immediate. In other situations this procedure defaults to the one specified for initial network entry.~~