Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Changes in the Section "Ranging and uplink parameters adjustment"**
Date Submitted	**2003-09-04**
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Re:	It is a response to a IEEE 802.16e-03/18 - Task Group Review of IEEE 802.16e-03/07r3
Abstract	Supporting material for a comment
Purpose	The document is submitted for review during the comment resolution procedure
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Changes in the Section ""“Ranging and uplink parameters adjustment”""

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1. Introduction

The document suggests certain wording to clarify rationale for Fast Ranging (Paging) procedure. An important part is that the procedure is referenced to as an optional tool that may help in decreasing handover latency.

2. Specific changes in 1.3.1.2.3.1.3 “Ranging and uplink parameters adjustment”

~~For MSS’s that have used their scanning interval to do ranging with target BS this stage should be immediate.~~

~~Otherwise, this stage is similar to the one performed~~An MSS may perform ~~at~~ an initial network entry as specified in 6.2.9. During this stage the MSS is assigned a new basic and primary management CID in the target BS.

If the MSS has used scanning interval(s) to do preliminary ranging with target BS, and if the target BS received HO-notification message that contains the MAC address of the MSS, (see section C.2.4 “Backbone network HO procedures”) the BS may choose, instead of waiting for initial ranging request in MAINT region, to allocate non-contention transmission opportunity for the MSS.

As opposed to ~~initial~~regular network entry, where ~~this stage~~initial ranging is performed on contention basis, here the ranging opportunity may be allocated individually~~by the BS~~ based on an MSS’s 48-bit MAC address~~identifier. This identifier is~~assuming this identifier was forwarded to the target BS via the backbone network ~~(see section Backbone network HO procedures).~~

Allocation of non-contention ranging opportunity ~~This~~ is done using the Fast_UL_ranging_IE() (see Fast ranging (Paging) Information Element) in the UL-MAP..

~~UL-MAP. When an initial ranging opportunity is not allocated individually, this procedure defaults to the one specified for initial network entry.~~