

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	HO decision factoring the non-pre-assigned DL/UL radio resources	
Date Submitted	2007-02-15	
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Re:	IEEE 802.16 Session #47 plus over the phone	
Abstract	This contribution proposes the updates of IEEE 802.16g D7 document in order to obtain loading information from the Base Station	
Purpose	Update 802.16g draft: HO decision factoring the BS loading figures	
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HO Decision based on DL and UL loading radio resources

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1. Introduction

When evaluating which of the candidate list for handover BS target is to be selected, the serving BS needs to evaluate the Non-pre-assigned radio resources available to the MS obtained through the exchange of backbone messages.

2. Proposed Text Change

Remedy:

Factor the loading information when determining the target BS for handover.

[In 6.3.22.2.2 HO decision and initiation, Modify the text in the 4th Paragraph]:

6.3.22.2.2 HO decision and initiation

When MOB_MSHO-REQ is sent by an MS, the MS may indicate one or more possible target BS. When MOB_BSHO-REQ is sent by a BS, the BS may indicate one or more possible target BSs. MS may evaluate possible target BS(s) through previously performed scanning and Association activity.

Serving BS criteria for recommendation of target BS may include factors such as expected MS performance at potential target BS, **non-pre-assigned DL and UL radio resources** and MS QoS requirements. Serving BS may obtain expected MS performance and **non-pre-assigned DL and UL radio resources** at a potential target BS through the exchange of backbone messages with that BS. Serving BS may negotiate location of common time interval where dedicated initial ranging transmission opportunity for the MS will be provided by all potential target BSs. This information may be included into MOB_BSHO-RSP message.