Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Fix for Handover primitive	
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Re:	Contribution on comments to IEEE 802.16g-05/008r2	
Abstract	In this contribution, we propose to amendment the protocol through add the new section about Data Path description	
Purpose	Adoption	
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Fix for Handover primitive

1. Introduction

The data lossless for non-realtime service is a requirement in IEEE802.16g.

Buffering and synchronization are common mechanisms to meet the data lossless requirement.

This contribution proposes to adopt the SN feedback mechanism which defined in IEEE802.16e/D12 to synchronize the data between serving BS and target BS during handover procedure.

And this contribution also proposes add a new primitive: HO completion to notify NCMS that the handover procedure has been completed.

2. Proposed Text Changes

[Change HO primitive flow diagram between NCMS and target BS to the following]

14.5.9.7 Handover Control Protocol Procedures

[Modify table in section 14.5.9.7.3 as follows]

Event Type	Description
HO-Start	Indicating the MS is ready to handover from the
	current serving BS to the target BS
HO-Cancel	Indicating the current HO procedure is cancelled.
HO-Scan	Providing scanning result to NCMS
<u>HO-CMPLT</u>	Indicating MS network re-entry completion at the
	target BS

[Add a new section as follows]

14.5.9.7.3.4 C-HO-NOTFY(Event_Type==HO-CMPLT)

14.5.9.7.3.4.1 Function

This primitive is used by Target BS to notify NCMS the handover process is completed.

14.5.9.7.3.4.2 Semantics of the service primitive

It delivers the following parameters.

48-bit unique identifier used by MS

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Result Flag
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The sequence number of the last MAC SDU which the MS received before handover to the target BS. The connection associated with the SDU SN is identified by SFID when SDU SN feedback is enabled.

14.5.9.7.3.4.3 When generated

This primitive is generated by target 802.16 BS Entity when the MS completes network re-entry at the target BS. If SDU SN feedback is enabled, the target 802.16 BS Entity shall generates this primitive after it has received SN report header.

14.5.9.7.3.4.4 Effect of receipt

NCMS completes handover procedure.