

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Renaming of handover and paging SAP primitives in section 14.5.9.2</b>	
Date Submitted	<b>2006-01-11</b>	
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Re:	Contribution on IEEE 802.16-2004/IEEE802.16g	
Abstract	This contribution proposes to update the primitive names in sections 14.5.9.2 of 16g r2.	
Purpose	Adoption	
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# 1 Problem Statement

The purpose of this contribution is to update M-SAP and C-SAP primitive names based on universal naming schema.

## 2 Proposed Text

### 14.5.9.2 Paging Management

#### 14.5.9.2.1 Paging Group Management

##### 14.5.9.2.1.1 Paging Group Management Procedure

The location information of an idle MS is managed by the unit of Paging Group in Paging Service of an NCMS, and paging messages are sent to all the BSs within the called MS's Paging Group. The NCMS should divide the whole service area into multiple Paging Groups and notify this Paging Group information to all the BSs within the service area, where a BS may be a member of one or more Paging Groups. ~~In this contribution, we propose service primitive for Paging Group Action which is exchanged through Management Service Access Point (M-SAP) of Management Plane specified in IEEE 802.16g baseline document. Paging Group Action is performed by Paging Service of an NCMS. Service primitives for paging group management are exchanged through management service access point (M-SAP) of management plane, as shown in Fig. 12~~

Figure 1 Paging Group Management Service Primitives

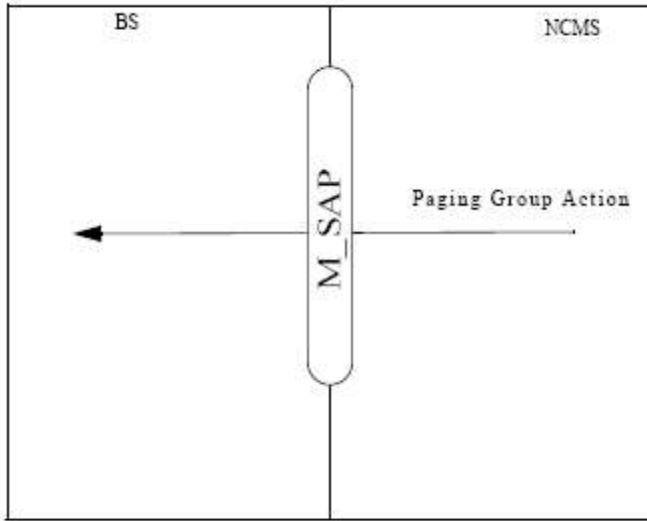


Figure 323—ASF indication and ASF response primitives flow

**14.5.9.2.1.2 Service Primitive for Paging Group Management**

**14.5.9.2.1.2.1 Paging Group Action M-PG-NOTFY**

This primitive is used by NCMS to trigger a paging group management procedure. The Operation Type included in this primitive defines the type of paging group management procedure to be performed. The possible Operation Types for this primitive are listed in Table xxx.

<u>Event Type</u>	<u>Description</u>
<u>Paging Group Action</u>	<u>Inform a BS of Paging Group IDs</u>

**14.5.9.2.1.2.1.1 Function**

This primitive is issued by an NCMS to inform a BS of Paging Group ID(s) of the BS.

**14.5.9.2.1.2.1.2 Semantics of the service primitive**

The parameter of the primitive is as follows:

**M-PG-NOTFY**  
**Paging Group Action**  
 ( —  
— Operation\_type: Set,  
— Action\_type: Paging Group Action,  
— Object\_ID: NCMS,  
— Attribute\_List:  
 Paging Controller ID, —

Number of Paging Group IDs  
Paging Group ID List

)

**Paging Controller ID**

The Paging Controller ID is a logical network identifier for the serving BS or other network entity retaining MS service and operational information and/or administering paging activity for the MS while in Idle Mode.

**Number of Paging Group IDs**

The number of Paging Group IDs in this primitive.

**Paging Group ID List**

List of Paging Group IDs of a BS (eg, Paging Group ID1, Paging Group ID2, ... , Paging Group IDn)

**14.5.9.2.1.2.1.3 When generated**

This primitive is generated when an NCMS initializes or updates paging group configuration information and notifies the information to a BS.

**14.5.9.2.1.2.1.4 Effect of receipt**

When the BS receives this primitive, it updates its Paging Group ID information according to the delivered Paging Group ID List, and broadcasts the updated Paging Group ID information in MOB\_NBR-ADV, DREG-CMD, MOB\_PAG-ADV, DCD, RNG-RSP messages.

**14.5.9.2.2 Paging Procedure**