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Title	**Restructuring and Renaming of Management -Primitives in section 14.2.9**
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Re:	Contribution on comments to IEEE 802.16g/D2
Abstract	In this contribution, we propose to define some primitives for Neighbor BS Management.
Purpose	Adoption
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Restructuring and Renaming of Management Primitives in section 14.2.9.3

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1. Motivation

In Section 14.2.9, there are some primitives which control network entry procedure or manage the mobile terminal status. But, the format of the primitives doesn't follow the service primitive template defined in Section 14.1.

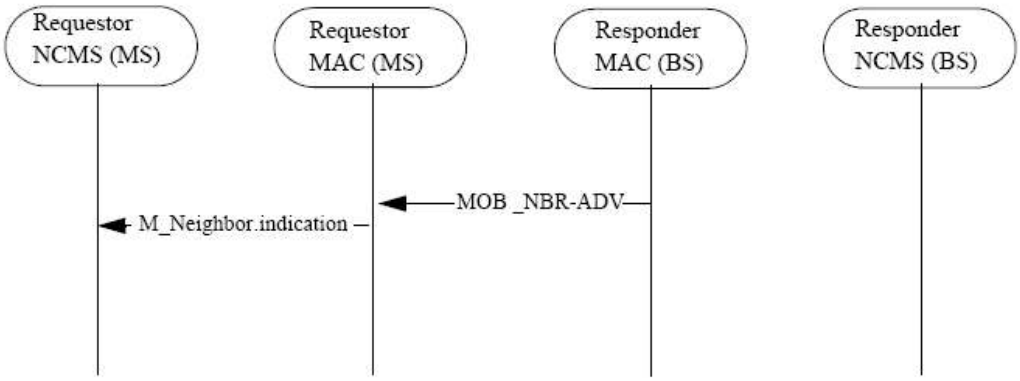
In case of Section 14.2.9.9, the section structure also needs to be changed to make it consistent with other sections.

2. Proposed Text Changes

[*Modify section 14.2.9.3 as follows and move it to the end of section 14.2.1.3.1.2.2*]

~~14.2.1.4~~14.2.1.3.1.2.3 ~~**Neighbor C-CM-NOTFY Advertisement Primitives**~~~~M_Neighbor.indication~~

When 802.16 MAC receives neighbor advertisement (MOB_NBR-ADV), this primitive is used to deliver the information to upper layers.



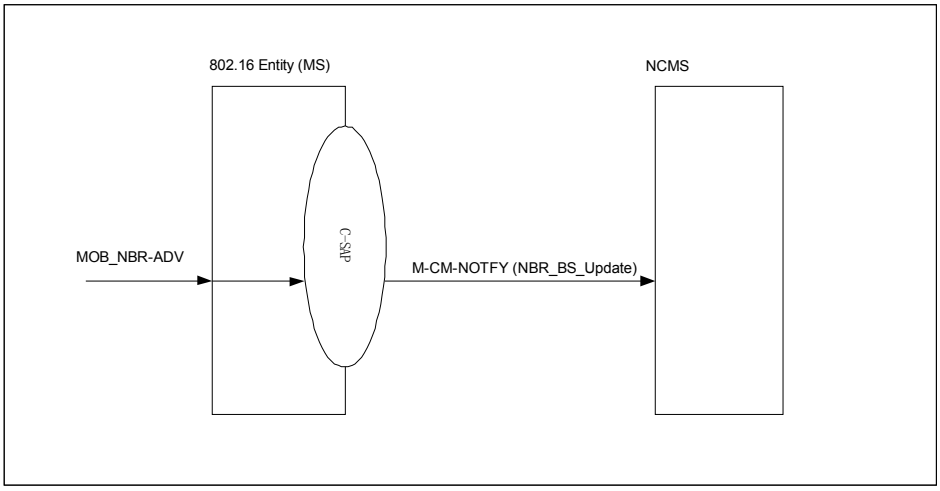


Figure 508 – ~~The use of Neighbor Advertisement Indication~~ **Neighbor Advertisement** Primitives

14.2.9.3.1 ~~M_Neighbor.indication~~M-CM-**NOTFY**

14.2.9.3.1.1 Function

This primitive is generated by MAC layer to notify the upper layer entity of reception of neighbor advertisement (MOB_NBR-ADV) from BS.

14.2.9.3.1.2 Semantics

~~M_Neighbor.indication~~M-CM~~C-NEM~~-NOTFY
(
Message ID,
Event_Type : NBR_BS_Update,
Object ID : NCMS,
Attribute_list:
Source,
Destination,
Operator ID,
N_Neighbors,
Neighbor BS-ID,
HO Process Optimization,
Current BS's MIH Capability INFO
MIH INFO Bitmap
)

14.2.9.3.1.3 When generated

This primitive is generated for the MAC layer to notify the upper layer entity of MOB_NBR-ADV contents received from the BS.

14.2.9.3.1.4 Effect of receipt

Upper layer entity acquires information of BSes.

Table 463 – ~~M_Neighbor.indication Parameters~~**Neighbor Advertisement Attributes**

Name	Type	Valid Range	Description
Source	EVENT_SOURCE	N/A	The original point from where this primitive is initiated

Destination	EVENT_DESTINATION	N/A	This specifies the destination where this primitive finally arrives
Operator ID			Unique ID assigned to the operator
N_Neighbors			The count of the unique combination of Neighbor BSID, Preamble Index and DCD.
Neighbor BS-ID			Base station ID

HO Process Optimization	Enumeration	Bit #0: Omit SBCREQ/RSP management messages during re-entry processing Bit #1: Omit PKM Authentication phase except TEK phase during current re-entry processing Bit #2: Omit PKM TEK creation phase during re-entry processing Bit #3: Omit REGREQ/RSP management during current re-entry processing Bit #4: Omit Network Address Acquisition management messages during current re-entry processing Bit #5: Omit Time of Day Acquisition management messages during current re-entry processing Bit #6: Omit TFTP management messages during current re-entry processing Bit #7: Full service and operational state transfer or sharing between serving BS and target BS (ARQ, timers, counters, MAC state machines, etc…)	Network re-entry process optimization after handover
Current BS's MIH Capability MIH INFO	Enumeration	MIH Not Supported MIH Supported	This indicates whether current BS delivering neighbor advertisement supports MIH or not.

MIH INFO bitmap	Enumeration	Available WLAN AP, Available WLAN AP MIH Enabled, Available WLAN AP MIH Capability unknown, Available 3GPP BS, Available 3GPP BS MIH Enabled, Available 3GPP BS MIH Capability unknown, Available 3GPP2 BS, Available 3GPP2 BS MIH Enabled, Available 3GPP2 BS MIH Capability unknown.	