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Title	A New Primitive for Indicating Network Attachment	
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Re:	Contribution on comments to IEEE 802.16g/D5	
Abstract	In this contribution, we propose a new primitive to infer NCMS of network attachment.	
Purpose	Adoption	
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A New Primitive for Indicating Network Attachment

Jaesun Cha and Chulsik Yoon

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1. Motivation

According to the current draft, NCMS shall issue M-MTM-REQ(power on) and C-NEM-REQ(ranging) primitives to activate 802.16 terminal. But, NCMS doesn't know when the 802.16 terminal is ready to perform ranging after it receives M-MTM-RSP(power on) primitive. After the 802.16 terminal is powered on, it shall scan for downlink channel, establish synchronization with a BS and obtain transmit parameters from UCD and DCD message before initial ranging. It will take a couple of seconds to complete aforementioned initialization steps because of transmission interval of UCD and DCD. Therefore NCMS can't issue C-NEM-REQ(ranging) right after it receive M-MTM-RSP(power on).

In this contribution, we propose a new control primitive which tell that 802.16 terminal is synchronized with BS and ready to perform initial ranging.

2. Proposed Text Changes

[Insert the following figure before subclause 14.2.81 on page 99]

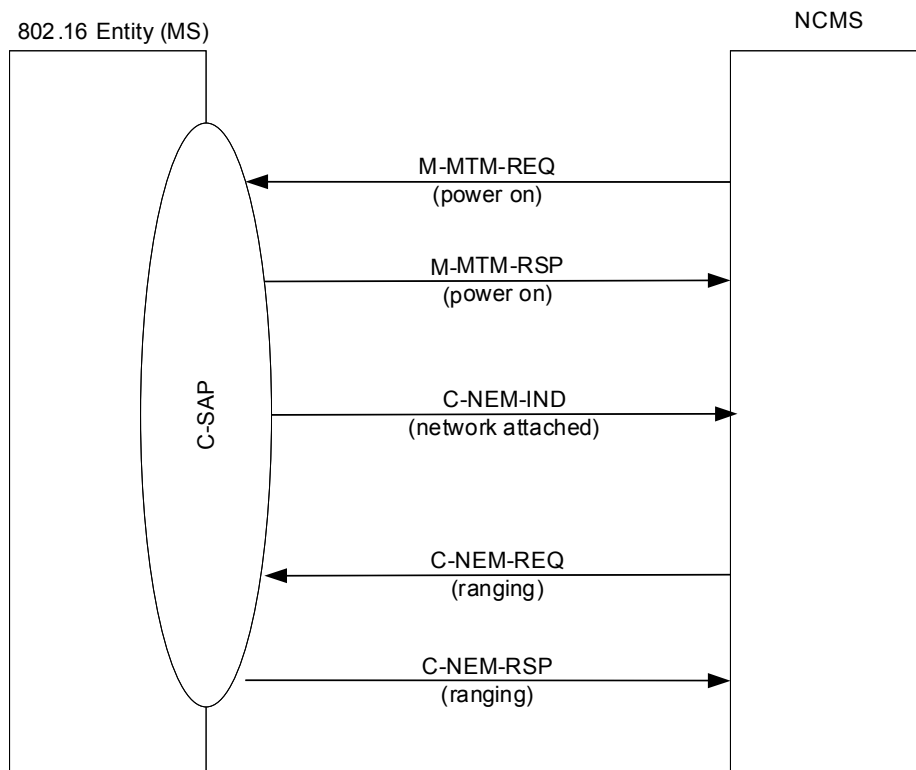


Figure xxx – network attachment

[Insert a new subclause 14.2.8.4 as follows]

14.2.8.4 C-NEM-IND

Function:

This primitive is used by 802.16 entity to infer NCMS of the completion of initialization procedure which includes synchronization with the BS and acquirement of downlink/uplink transmission parameters.

Semantics of the service primitive:

The following parameters are included in this primitive.

```
C-NEM-IND
(
    Message_id,
    Operation_Type(Action),
    Action_Type(network attached),
    Object_id (MS MAC address),
    Attribute_list:
)
```

When generated:

This primitive is generated when 802.16 entity completes initialization steps and is ready to perform initial ranging.

Effect of receipt:

NCMS can issue C-NEM-REQ(ranging) to request the 802.16 entity to perform initial ranging after it receives this primitive.