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Re:	Contribution on IEEE 802.16f/D5
Abstract	This contribution proposed a method to add conditional event mask feature in event reporting function. With this new feature, network manager can control on what kind of event will be reported from BS and SS. By decreasing useless event flood during special scenarios and make network manager draw their attention more on important events handling.
Purpose	Adoption
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Proposal for Adding Conditional Event Mask to wmanPriTrapControl

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Introduction

In IEEE802.16f, there are BS and SS trap control definitions which can enable/disable BS and SS event reporting. But current definition of BS and SS trap can be only controlled based on network element level and according to event identifier.

Usually operator may like to disable events notification according to specific object or disable events during some special time periods. It is useful when operators make some operations on specific objects like change spare parts etc. These kinds of operations will generate events but operator doesn't want to take care of them.

This contribution proposes to use conditional event mask to suppress the event reporting action during special scenarios. Several conditions are considered as conditional event mask, which includes object instance and time segment.

To fulfill this goal, object instance description field are required to be added in wmanDevCmnEventLogTable which can provide more accurate object instance information.

Proposed Text Changes

1. [Change the text in section **13.2.3.1.3 wmanDevCmnEventLogTable** as the following]

1.1 Add object instance description in **13.2.3.1.3 wmanDevCmnEventLogTable**, keep the previous definition intact.

13.2.3.1.3 wmanDevCmnEventLogTable

wmanDevCmnEventLogTable is used to store local events, and should reside in the non-volatile memory.

The Event Log consists of the following features:

- Each event has its corresponding object instance description.

ASN.1 Definitions:

```
wmanDevCmnEventLogObjectInstance OBJECT-TYPE
        SYNTAX SnmpAdminString
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "This object describes the event related object instance information."
        ::= { wmanDevCmnEventLogEntry 6 }
```

1.2 Add Node wmanPriEventConditionMaskTable to Anex D wmanPriTrapControl, keep the previous structure intact.

ASN.1 Definitions:

```
wmanPriEventConditionMaskTable OBJECT-TYPE
        SYNTAX SEQUENCE OF WmanPriEventConditionMaskEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "This table contains event conditions which are used to disable/enable
                device event traps."
                ::= { wmanPriTrapControl 1 }

wmanPriEventConditionMaskEntry OBJECT-TYPE
        SYNTAX WmanPriEventConditionMaskEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "wmanDevBsEventConditionMaskEntry is indexed by
wmanPriBsEventConditionMaskIndex."
        INDEX { wmanDevBsEventConditionMaskIndex }
                ::= { wmanPriEventConditionMaskTable 1 }

WmanPriEventConditionMaskEntry ::=      SEQUENCE {
                wmanPriEventConditionMaskIndex          Integer32,
                wmanPriMaskStartTime                    TimeStamp,
                wmanPriMaskEndTime                      TimeStamp,
                wmanPriMaskObjectDescription            SnmpAdminString }

wmanPriEventConditionMaskIndex OBJECT-TYPE
        SYNTAX Integer32
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "An index identifies the BS event condition mask."
                ::= { wmanPriEventConditionMaskEntry 1 }

wmanPriMaskStartTime OBJECT-TYPE
        SYNTAX TimeStamp
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
                "Start time for event condition mask."
                ::= { wmanPriEventConditionMaskEntry 2 }

wmanPriMaskEndTime OBJECT-TYPE
        SYNTAX TimeStamp
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
                "End time for event condition mask."
                ::= { wmanPriEventConditionMaskEntry 3 }

wmanPriMaskObjectDescription OBJECT-TYPE
        SYNTAX SnmpAdminString
```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Object instance for event condition mask."
::= { wmanPriEventConditionMaskEntry 4 }

1.3 Modify “wmanDevBsEventTrap” notification parameter, add “wmanDevCmnEventLogObjectInstance”.
ASN.1 Definition:

```
wmanDevBsEventTrap NOTIFICATION-TYPE
    OBJECTS { wmanDevCmnEventId, wmanDevCmnEventLogIndex,
wmanDevCmnEventLogObjectInstance, wmanDevCmnEventLoggedTime, wmanDevCmnEventDescription,
        wmanDevCmnEventSeverity }
    STATUS current
    DESCRIPTION
        "This trap is sent when an event is logged into the table
        wmanDevCmnEventLogTable."
    ::= { wmanDevBsTrapPrefix 1 }
```