Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Proposed text for Accounting Management**
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Re:	
Abstract	This contribution proposes Text for Accounting Management.
Purpose	Adoption
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1   ***Table of Content***

6

1

1.   Introduction

2

This contribution proposes the Text for Accounting Management.

2.   Accounting Management

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[Replace subclause 14.2.1.2. with the following:]

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14.2.1.2 Service primitives for accounting management

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14.2.1.2.1 M-ACM-REQ

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Function:

9

This primitive can be issued by the NCMS to retrieve the accounting records from BS.

10

Semantics of the service primitive:

11

The parameters of the primitives are as follows:

12
```
13              (
14                      Operation_type: Action,
15                      Action_type: null,
16                      Destination: BS,
17                      Attribute_List :
18                              MS MAC Address
19                              Service Flow Identifier
20                              Accounting Record Number
21              )
```
22   **MS MAC Address**
23   48-bit MAC address which will identify MS
24   **Service Flow identifier**
25   32-bit service flow identifier which will identify service flows of an MS
26   **Accounting Record Number**
27   Identifies accounting record within one session

When generated:

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This primitive can be generated at the NCMS to request accounting accord from a BS.

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Effect of receipt:

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When this primitive is received from NCMS, the BS shall gather accounting information and return the information using the M-ACM-RSP primitive.

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14.2.1.2.2 M-ACM-RSP

Function:

This primitive is issued by a BS to respond to M-ACM-REQ.

Semantics of the service primitive:

The parameters of the primitives are as follows:

      M-ACM-RSP
      (
            Operation_type: Action,
            Action_type: null,
            Destination: NCMS,
            Attribute_List :
                  MS MAC Address
                  Service Flow Identifier
                  Accounting Record Number
                  Accounting Octets
                  Accounting Packets
                  Service Flow Information
)
      MS MAC Address
            48-bit MAC address which will identify MS
      Service Flow identifier
            32-bit service flow identifier which will identify service flows of an MS
      Accounting Record Number
            Identifies accounting record within one session
      Accounting Octets
            The number of octets captured on this service flow.
      Accounting Packets
            The number of packets captured on this service flow.
      Service Flow Information
            Required QoS information of a service flow include traffic characteristics and
            a scheduling type such as service class name, QoS parameter set type,
            maximum sustained traffic rate, maximum traffic burst, minimum reserved
            traffic rate, minimum tolerable traffic rate, service flow scheduling type,
            tolerate jitter and maximum latency.

When generated:

This primitive shall be generated by the BS in response to an M-ACM-REQ primitive.

Effect of receipt:

The NCMS receives the primitive, it contains the requested information and it is assumed that the NCMS will use this information for accounting purposes.

14.2.1.2.3 M-ACM-IND

Function:

This primitive is issued by a BS to indicate to the NCMS the accounting event or to report the accounting record autonolously.

Semantics of the service primitive:

The parameters of the primitives are as follows:

```
M-ACM-IND
(
        Operation_type: Action,
        Action_type: null,
        Destination: NCMS,
        Attribute_List :
                MS MAC Address
                Service Flow Identifier
                Accounting Record Event
                Accounting Record Number
                Accounting Octets
                Accounting Packets
                Service Flow Information
)
```

MS MAC Address
        48-bit MAC address which will identify MS
Service Flow identifier
        32-bit service flow identifier which will identify service flows of an MS
Accounting Record Event
        Start, stop, interim update.
Accounting Record Number
        Identifies accounting record within one session
Accounting Octets
        The number of octets captured on this service flow.
Accounting Packets
        The number of packets captured on this service flow
Service Flow Information
        Required QoS information of a service flow include traffic characteristics and
        a scheduling type such as service class name, QoS parameter set type,
        maximum sustained traffic rate, maximum traffic burst, minimum reserved
        traffic rate, minimum tolerable traffic rate, service flow scheduling type,
        tolerate jitter, and maximum latency.

When generated:

This primitive is generated at a BS when an accounting session is created, deleted, or changed.

Effect of receipt:

NCMS will update the accounting record accordingly.

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