<table>
<thead>
<tr>
<th><strong>Project</strong></th>
<th>IEEE 802.16 Broadband Wireless Access Working Group [<a href="http://ieee802.org/16">http://ieee802.org/16</a>]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title</strong></td>
<td>Reply Proposal for Cor 2 Change Request 124.</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>2006-11-06</td>
</tr>
</tbody>
</table>
| **Source(s)** | Lei Wang  
Voice: +1-858-480-3240  
mailto: lwang@nextwave.com  
Erik Colban  
Voice: +1-858-480-3240  
mailto: ecolban@nextwave.com  
NextWave Broadband  
12670 High Bluff Dr,  
San Diego, CA 92130, USA  
Fax: [Fax Number] |
| **Re:**     | IEEE 802.16 Letter Ballot #23                                                     |
| **Abstract** | This contribution is a part of a ballot comment to IEEE 802.16 Letter Ballot #23, change request 124. It proposes an amendment to Cor 2 change request 124. |
| **Purpose** | Modify Cor 2 change request 124 as proposed in this contribution.               |
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Proposed Amendment of Change Request 124

Erik Colban
NextWave Broadband Inc.

Introduction

The originator of change request 124 (Erik Colban) withdrew this comment through email sent on September 9/16/2006 to the maintenance group chair (Jon Labs). The reason given to Jon was that the original comment proposed no remedy. Another reason is that the IANA ifType (184), to which this change relates, is obsolete and the Netman task group has told IANA that IEEE intends to deprecate the use of this type in the standards. There is no sense in trying to fix something that will be removed.

However, the group’s resolution is good if additional changes are made to replace IANA IfType 184 by the newly assigned IANA IfType 237.

The following shows the changes needed to the 802.16f standard.

Changes

On page 5:

9.3.2.1 MIB-2 integration

The Internet Assigned Numbers Authority (IANA) has assigned the following ifType ieee80216WMAN to point-to-multipoint broadband wireless access. Previously assigned ifType propBWAp2Mp is deprecated and should not be used. The ifType entities are defined by IANA as follows:

```plaintext
IANAifType ::= TEXTUAL-CONVENTION
SYNTAX INTEGER {
    propBWAp2Mp (184), -- PropBroadbandWirelessAccessPT2multipt
        -- use of this ifType for IEEE 802.16 WMAN
        -- interfaces as per IEEE Std 802.16f is
        -- deprecated and ifType ieee80216WMAN should be used instead.
    ieee80216WMAN (237), -- IEEE 802.16 WMAN interface
}
```

On page 6:

9.3.2.2 Usage of MIB-II tables

The “Interfaces” group of MIB-II, in RFC2863, has been designed to manage various sub-layers (e.g. MAC and PHY) beneath the internetwork-layer for numerous media-specific interfaces. The implementation of ifTable in SNMP managed BS and SS is mandatory.

The implementation of the ifTable for the BS shall create one row for each BS sector. The following recommendations shall be applied to each row defining a BS sector:

- ifIndex value is implementation specific
- ifType shall be set to ieee80216WMAN (value of 237 as defined in 9.3.2.1)
— ifSpeed shall be set to the channel bandwidth
— ifPhysAddress shall be set to the MAC Address of the BS sector
— All other columnar objects shall be initialized as specified in RFC2863.

Table 1 provides an example.

### Table 1—Example of the usage of ifTable objects for base station

<table>
<thead>
<tr>
<th>ifTable</th>
<th>ifIndex</th>
<th>ifType (IANA)</th>
<th>ifSpeed</th>
<th>ifPhysAddress</th>
<th>ifAdminStatus</th>
<th>ifOperStatus</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS Sector 1</td>
<td>1</td>
<td>ieee80216WMAN</td>
<td>channel bandwidth</td>
<td>MAC address of BS sector</td>
<td>Administration Status</td>
<td>Operational Status</td>
</tr>
<tr>
<td>BS Sector 2</td>
<td>2</td>
<td>ieee80216WMAN</td>
<td>channel bandwidth</td>
<td>MAC address of BS sector</td>
<td>Administration Status</td>
<td>Operational Status</td>
</tr>
<tr>
<td>BS Sector 3</td>
<td>3</td>
<td>ieee80216WMAN</td>
<td>channel bandwidth</td>
<td>MAC address of BS sector</td>
<td>Administration Status</td>
<td>Operational Status</td>
</tr>
<tr>
<td>Ethernet</td>
<td></td>
<td></td>
<td>channel bandwidth</td>
<td>MAC address of SS</td>
<td>Administration Status</td>
<td>Operational Status</td>
</tr>
</tbody>
</table>

The implementation of the ifTable for SS must create one row for each SS WirelessMAN interface. Additional rows may be necessary to support other network interfaces, such as Ethernet. The following recommendations must be applied to each row:

— ifIndex value is implementation specific
— ifType shall be set to ieee80216WMAN (value of 237 as defined in 9.3.2.1)
— ifSpeed shall be set to the channel bandwidth
— ifPhysAddress shall be set to the SS MAC Address (of the WirelessMAN interface)
— All other columnar objects shall be initialized as specified in RFC2863

In sections 13.1-13.2:
Replace all occurrences of the string “1.3.6.1.2.1.10.1.184” with “1.0.8802.16.2.237”.

In section 13.3 (and in the MIBs that are distributed as separate files):
Replace all occurrences of propBWAp2Mp with ieee80216WMAN.