Reply Proposal for Cor 2 Change Request 124.

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.

Notice
This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

Release
The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.

Patent Policy and Procedures
The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures <http://ieee802.org/16/ipr/patents/policy.html>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair <mailto:chair@wirelessman.org> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will
disclose this notification via the IEEE 802.16 web site <http://ieee802.org/16/ipr/patents/notices>.
Proposed Amendment of Change Request 124

Introduction

This contribution proposes an alternative remedy to Cor2 CR 124. It reflects the discussion in Netman and was approved without opposition by the TG.

Changes

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 propBWAp2Mp (value of 184 as defined in 9.3.2.1)
- ifSpeed shall be \textit{null}set to zero\footnote{The data rate in bits/s varies dynamically between zero and a theoretical maximum and there is no concept of an interface speed in the IEEE 802.16 standards. In such cases, according the RFC2863, the ifSpeed should be set to zero.}
- 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>
<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>propBWAp2Mp</td>
<td>\textit{nullZero}</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>propBWAp2Mp</td>
<td>\textit{nullZero}</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>propBWAp2Mp</td>
<td>\textit{nullZero}</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>\textit{nullZero}</td>
<td>MAC address</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 propBWAp2Mp (value of 184 as defined in 9.3.2.1)
— ifSpeed shall be set to zero
— ifPhys Address shall be set to the SS MAC Address (of the WirelessMAN interface)
— All other columnar objects shall be initialized as specified in RFC2863

On page 7:

Table 2 provides an example.

<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>SS</td>
<td>1</td>
<td>propBWAp2Mp</td>
<td>null/Zero</td>
<td>MAC address of SS</td>
<td>Administration Status</td>
<td>Operational Status</td>
</tr>
<tr>
<td>Ethernet</td>
<td></td>
<td></td>
<td>null/Zero</td>
<td>MAC address</td>
<td>Administration Status</td>
<td>Operational Status</td>
</tr>
</tbody>
</table>

2 The data rate in bits/s varies dynamically between zero and a theoretical maximum and there is no concept of an interface speed in the IEEE 802.16 standards. In such cases, according the RFC2863, the ifSpeed should be set to zero.