Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Reply Proposal for Cor 2 Change Request 124.**
Date Submitted	**2006-11-15~~01~~**

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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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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 refelects 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 ~~null~~set to zero[1] ~~(rfc 2863)~~
— 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

ifTable	ifIndex	ifType (IANA)	ifSpeed	ifPhysAddress	ifAdminStatus	ifOperStatus
BS Sector 1	1	propBWAp2Mp	~~Null~~Zero	MAC address of BS sector	Administration Status	Operational Status
BS Sector 2	2	propBWAp2Mp	~~Null~~Zero	MAC address of BS sector	Administration Status	Operational Status
BS Sector 3	3	propBWAp2Mp	~~Null~~Zero	MAC address of BS sector	Administration Status	Operational Status
Ethernet			~~Null~~Zero	MAC address	Administration Status	Operational Status

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

[1] 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.

— ifType shall be set to propBWAp2Mp (value of 184 as defined in 9.3.2.1)
— ifSpeed shall be set to zero[2] ~~null~~
— 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

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Table 2 provides an example.

Table 2—Example of the usage of ifTable objects for subscriber station

ifTable	ifIndex	ifType (IANA)	ifSpeed	ifPhysAddress	ifAdminStatus	ifOperStatus
SS	1	propBWAp2Mp	~~Null~~Zero	MAC address of SS	Administration Status	Operational Status
Ethernet			~~Null~~Zero	MAC address	Administration Status	Operational Status

[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.