Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Outline for 802.16 Mobility MIB**
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Re:	Contribution to IEEE 802.16i
Abstract	In this contribution, we propose to give an outline for mobility MIB
Purpose	Adoption
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Outline for IEEE802.16i

ZTE Corporation.

Introduction

This contribution propose outline for IEEE802.16 Mobility MIB standard.

Proposed Text

1. Overview
   1.1 Scope
   This document provides updates to IEEE Std 802.16's MIB for the MAC, PHY and associated management procedures in order to accommodate recent extensions to the standard. The project will use protocol-neutral methodologies for network management to develop resource models for the management of devices in a multi-vendor 802.16 network.

   1.2 Purpose
   The purpose of this project is to provide a definition of managed objects to enable the standards-based management of 802.16 devices. This project extends upon the work of IEEE 802.16f in adding MIB support for new features and functions added in IEEE 802.16e and other projects.

   1.4 Management Reference Model[x1]
   Figure 1 shows a management reference model of Mobility Broadband Wireless Access (MBWA) networks. It consists of a Network Management System (NCMS), managed nodes. BS managed nodes collect and store the managed objects in the format of requirement that are made available to NCMS via management protocols, such as CORBA etc.
   There are two kinds of terminals in MBWA system. One is the node that should be managed and the other has not the requirement.
   The Figure1 is the reference model which includes the MSS managed and no managed.
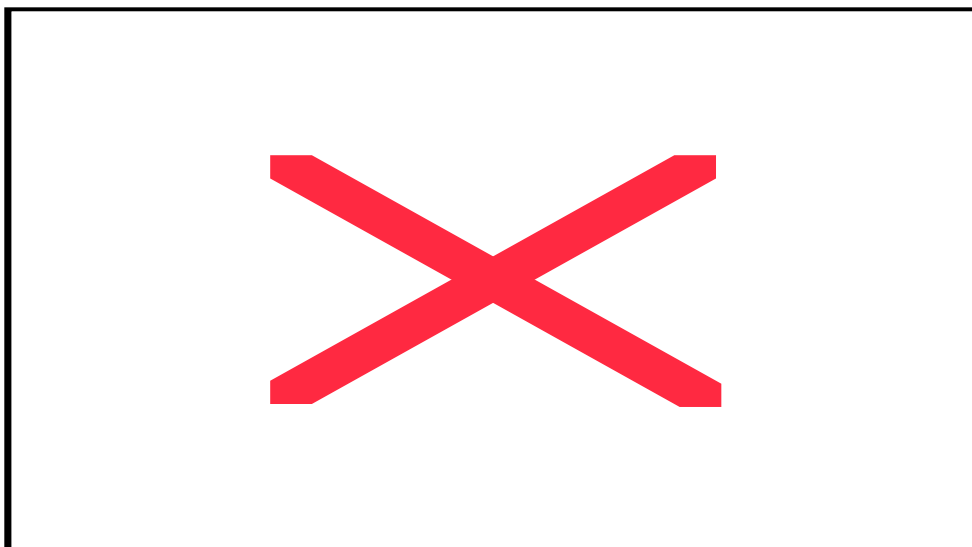

Figure1 network management reference model

1.5 Managed Objects

The definition of managed objects in this standard are expressed in IRP. It supports a management protocol agnostic approach, including CORBA, SNMP etc.

Considering the architecture of 3GPP IRP, the BS/MSS can be mapped to EM, and the NCMS can be mapped to NM.

2.   Reference

15.   802.16 Mobility Network Resource Model

15.1 Network Resource Model (NRM) Analysis

The management information between BS/MSS and NCMS includes management control information and network resource information. The network resource information means the abstract of specific managed object. For example, which management object class and which attributes and operations for that management object class should be abstracted for a managed network resource. In this specification, network resource information is defined based on managed nodes function, and the corresponding management object is named network resource management object.

15.2   Generic Configuration NRM

15.3   Generic Performance NRM
15.x   xxx

16   Solution Set