

Network Management Study Group, Proposed PARs

IEEE 802.16 Presentation Submission

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Base Document:

Purpose:

Propose Pars for 802.16 Security, Management and MIBs.

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Network Management SG Proposed PARs

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Proposed TGs

MIB TG

- Fixed MIB
 - PAR NOW!
- Mobile MIBs
 - PAR Later

Fixed and Mobile Management TG

- Define interfaces & Primitives
- Advanced Inter BS Signaling
 - Mobility performance gain
 - Mobility management gain
- MIB Access signaling
- SW Download?
- Billing?
- RRM
 - RRM Management signaling
 - BS-BS Interference mgmt

Security TG

- PKMv2
- Efficient Link cipher
- Auth only Link cipher
- Crypt only Link cipher

Reference Model AdHoc,

- Sync with WiMax, 802.21 & others
- Define and/or import Informative network models

Meeting times for MIB & Security TGs can overlap

Security PAR

- Security PAR Purpose
 - Provide confidentiality of user information being transferred over the wireless medium and prevent unauthorized use of 802.16 services. And support efficient/secure handover performance
- Security PAR Scope
 - This document provides enhancements to the IEEE 802.16-RevD/802.16e MAC security sub-layer to provide confidentiality of user data and authorization and authentication between base stations and fixed and mobile subscriber stations.

MIB Fixed PAR

- #13 MIB PAR Purpose
 - Provide an ASN.1 definition of managed objects to enable standards based management of 802.16 devices
- #12 MIB PAR Scope
 - This document provides enhancements to the IEEE 802.16-2004 standard to define a management information base (MIB) for the MAC and PHY and associated management procedures
- Fixed + Mobile PAR not needed at this time

Explanatory Items

- #18
 - #12 802.16-2004 is expected to be the standardized form of the 802.16-RevD ongoing work. This standard defines a fixed broadband wireless access system. It does not include mobility, that will be defined in a later amendment

Motion

- Empower the Netman SG chair to draft PAR and 5 criteria text based on the file 802.16f_par_form_r0.doc to be brought to the netman study group, May 20th 1.30pm, for review and approval
- Moved: Jay Klein
- Seconded: Joon-hyuk
- Y:6 N:0 A:1

Management PAR

- Network Management PAR Purpose
 - Provide 802.16 equipment with procedures to enable interoperable and efficient management of network resources, mobility and spectrum and to align 802.16 data and management plane interfaces with non 802.16 networks to which they attach
- Network Management PAR Scope
 - This document provides enhancements to the IEEE 802.16-RevD/802.16e standard CS, MAC and management entities to create standardized procedures and service interfaces for the management of conformant 802.16 devices