

802.16 Netman Management Plan PAR Proposal

IEEE 802.16 Presentation Submission

Document Number:

IEEE C802.16mgt-04/05r2

Date Submitted:

2004-05-19

Source:

David Johnston

Intel

2111 NE 25th

Hillsboro, OR 97124

Voice: 503 264 3855

Fax: 503 202 5047

E-mail: dj.johnston@intel.com, david.johnston@ieee.org

Venue:

May 2004 802.16 Interim, Shenzhen, China

Base Document:

Purpose:

To describe a PAR and work package for management plane standardization

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.

IEEE 802.16 Patent Policy:

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>>.

802.16 Netman PAR: Management Plane Amendment

David Johnston, Intel,
dj.johnston@intel.com

Basic Work Items for the TG

- Definition of SMC
 - Architecture (CS, where in stack, flow of pkts)
 - Services running over it
- Management interface specs
 - Figure 1 scope expansion
 - Define MLME & PLME interfaces
- OTA Management state access
 - MIB access
 - Link level event transport

Motivation

- Solve high priority management architecture issues
 - Secondary management channel
- Provide interfaces for general standardized management
 - RRM, Measurement, accounting etc
- Interoperable OTA management signaling
 - MIB access, remote event transport etc.

What it is...

- An amendment of 802.16-REVd as amended by 802.16e.
- So it's a standard

#12 Scope

- This document provides enhancements to the IEEE 802.16-2004 as amended by 802.16e standard MAC and PHY management entities to create standardized procedures and interfaces for the management of conformant 802.16 devices

#13 Purpose

- To provide conformant 802.16 equipment with procedures and services to enable interoperable and efficient management of network resources, mobility and spectrum, and to standardize management plane behavior in 802.16 fixed and mobile devices

#18 Explanatory Items

#12

Definition of management plane procedures should be performed with reference to an appropriate architectural model or models.

This amendment will not define such an architectural model, however informative reference to architectural models shall be included.

Logical reference models shall be minimally defining of network entities without constraint on transport or protocol.

This amendment will define network information elements sufficient to enable base station interoperability.

Proposal

- Agree on wording of scope and purpose.
- Bring PAR and 5C form based on this to this afternoon's meeting
- Forward to the WG based if approved by the SG