

1. ASSIGNED PROJECT NUMBER: 802.11v

2. SPONSOR DATE OF REQUEST: 2004-10-07

3. TYPE OF DOCUMENT: Standard

4. TITLE OF DOCUMENT: Amendment to Standard [for] Information Technology – Telecommunications and information exchange between systems – Local and Metropolitan networks – specific requirements – Part II: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: IEEE 802.11 Wireless Network Management

5. LIFE CYCLE: Full-Use

6. TYPE OF PROJECT: Amendment IEEE 802.11

Modified PAR?
In Ballot?

7. WORKING GROUP INFORMATION

Name of Working Group: IEEE P802.11, Working Group for Wireless LANs
Approximate Number of Expected Working Group Members: 411

8. CONTACT INFO FOR WORKING GROUP CHAIR

Name of Working Group Chair: Stuart Kerry
Telephone: 408 474 7356
FAX: 408 474 5343
E-mail: stuart@ok-brit.com

9. CONTACT INFO OF CO-CHAIR/OFFICIAL REPORTER

Name of Co-Chair/Official Reporter:
Telephone:
FAX:
E-mail:

10. CONTACT INFO OF SPONSOR

Sponsor: C/LM
Name of Sponsor Chair: Paul Nikolich
Telephone: 857 205 0050
FAX: 781 334 2255
E-mail: p.nikolich@ieee.org

Standards Coordinator (Power Engineering Society Only):

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11. TYPE OF SPONSOR BALLOT: Individual

Expected Date of Submission for Initial Sponsor Ballot: 2006-07-01

12. PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM: 2007-07-01

13. SCOPE: This amendment provides Wireless Network Management enhancements to the 802.11 MAC, and PHY, to extend prior work in radio measurement to effect a complete and coherent upper layer interface for managing 802.11 devices in wireless networks.

Completion of this document contingent? No

14. PURPOSE: The purpose of this document is to provide amendments to the IEEE 802.11 PHY/MAC layers that enables management of attached stations in a centralized or in a distributed fashion (e.g. monitoring, configuring, and updating) through a layer 2 mechanism. While the 802.11k Task Group is defining messages to retrieve information from the station, the ability to configure the station is not in its scope. The proposed Task Group will also create an AP MIB.

14a. Reason: The current IEEE 802.11 specification implies that stations may be managed via SNMP. The use of SNMP intruduces the following problems: 1. Very few stations in the market include SNMP capabilities. 2. The use of secure SNMP protocol (e.g. SNMPv3) requires significant pre-configuration of the station. 3. Management of a station may be required prior to the establishment of an IP connection. There are cases where a device must be managed because it cannot get IP connectivity. Therefore, a standarized approach to manage stations is required. 802.11 APs have significantly increased in complexity and features, which cannot be controlled via the current MIB. The Task Group needs to expand on the existing MIB (or creat a MIB) to support these new devices.

15. INTELLECTUAL PROPERTY:

Patent Policy: Yes
Copyrights: No
Trademarks: No
Registration of Object: No

16. SIMILAR SCOPE: Yes

Explanation: As IEEE 802.11k is defining measurements, it is the intention of this group to expand on those measurements, if necessary, only after IEEE 802.11k has completed.

Sponsor: IEEE 802

Project Number: 11

Project Date: 2002-12-12

Project Title: Ammendment to Standard for Information Technology - Telecommunications and information exchange between systems - Local and Metropolitan networks-Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications:Radio Resource Measurement of Wireless LANs.

17. FUTURE ADOPTION - INTERNATIONAL SPONSOR: Do not know at this time

Int'l Organization:
Int'l Contact Person:
Telephone:
FAX:
E-mail:

18. FOCUS ON HEALTH, SAFETY OR ENVIRONMENTAL ISSUES:

Explanation:

19. ADDITIONAL NOTES:

I acknowledge having read and understood the IEEE Code of Ethics I agree to conduct myself in a manner which adheres to the IEEE Code of Ethics when engaged in official IEEE business.

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