

PAR FORM

PAR Status: Amendment of Standard (Unapproved PAR)

PAR Approval Date: 0000-00-00

PAR Signature Page on File: Yes

1. Assigned Project Number: 802.11v

2. Sponsor Date of Request: 2004-10-07

3. Type of Document: Standard for

4. Title of Document:

Draft: 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:

6a. Is this an update to an existing PAR? No

6b. The Project is a: Amendment to Std IEEE 802.11

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 information for Working Group Chair:

Name of Working Group Chair: Stuart J Kerry

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Email: stuart@ok-brit.com

9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:

Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:

Telephone: FAX:

Email:

10. Contact information for Sponsoring Society or Standards Coordinating Committee:

Name of Sponsoring Society and Committee: Computer Society Local and Metropolitan Area Networks

Name of Sponsoring Committee Chair: Paul Nikolich

Telephone: 857-205-0050 **FAX:** 781-334-2255

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Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: FAX:

Email:

Name of Co-Sponsoring Society and Committee:

Name of Co-Sponsoring Committee Chair:

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Email:

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: FAX:

Email:

11. The Type of ballot is: Individual Sponsor Ballot**Expected Date of Submission for Initial Sponsor Ballot:** 2006-07-01**12. Fill in Projected Completion Date for Submittal to RevCom:** 2007-07-01**Explanation for Modified PAR that completion date is being extended past the original four-year life of the PAR:****13. Scope of Proposed Project:**

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.

Is the completion of this document contingent upon the completion of another document? No**14. Purpose of Proposed Project:**

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 for the standardization project:

The current IEEE 802.11 specification implies that stations may be managed via SNMP. The use of SNMP introduces 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 standardized 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 create a MIB) to support these new devices.

15. Intellectual Property:**Has the sponsor reviewed the IEEE patent policy with the working group?** Yes**Is the sponsor aware of copyrights relevant to this project?** No**Is the sponsor aware of trademarks relevant to this project?** No**Is the sponsor aware of possible registration of objects or numbers due to this project?** No**16. Are there other documents or projects with a similar scope?** Yes

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.

Similar Scope Project Information:

SimSponsor: IEEE 802 SimProjNo: 11 SimProjD: 2002-12-12 SimTitle: Amendment 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. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization? Do not know at this time**If yes, please answer the following questions:****Which International Organization/Committee?****International Contact Information?****18. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain in five sentences or less.**

19. Additional Explanatory Notes: (Item Number and Explanation)