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16 March 2006

Paul Nikolich
18 Bishops Lane
Lynnfield, MA 01940
p.nikolich@ieee.org

Re: P802.11y - 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: 3650-3700 MHz Operation in USA

Dear Paul:

I am pleased to inform you that on 16 March 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/802-11y.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at j.haasz@ieee.org no later than 14 June 2006.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
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International Stds Programs and Governance
Standards Activities
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CC: stuart@ok-brit.com

PAR FORM

PAR Status: Amendment of Standard

PAR Approval Date: 16 March 2006

PAR Signature Page on File: Yes

1. Assigned Project Number: P802.11y

2. Sponsor Date of Request: 2005-11-18

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 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: 3650-3700 MHz Operation in USA

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 P802.11

7. Working Group Information:

Name of Working Group: Wireless LAN Working Group

Approximate Number of Expected Working Group Members:500

8. Contact information for Working Group Chair:

Name of Working Group Chair: Stuart J Kerry

Telephone: 408-348-3171 **FAX:** 408-474-5343

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: IEEE Computer Society Local and Metropolitan Area Networks

Name of Sponsoring Committee Chair: Paul Nikolich

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

Email: p.nikolich@ieee.org

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:

Telephone: **FAX:**

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: December 2007

12. Projected Completion Date for Submittal to RevCom: December 2008

Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:

13. Scope of Proposed Project:

The scope of the proposed project is the application of 802.11 based systems to the 3650-3700 MHz band in the USA.

Is the completion of this document contingent upon the completion of another document? No

14. Purpose of Proposed Project:

The purpose of this project is to standardise the mechanisms required to allow shared 802.11 operation with other users in the 3650-3700 MHz band in the USA. Likely required mechanisms include: • Specification of new regulatory classes (extending 802.11j) • Sensing of other transmitters (extending 802.11a) • Transmit Power Control (extending 802.11h) • Dynamic Frequency Selection (extending 802.11h)

15. Reason for the Proposed Project:

The existing 802.11 standard and the proposed amendments from currently operating 802.11 Task Groups do not address in detail the rules specified by the FCC for operation in the 3650-3700 MHz band in the USA. The stakeholders for the project are the equipment providers and end users that will be able to use standards-based equipment to operate in the 3650-3700 MHz band.

16. Intellectual Property:

- a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-06-01
- b. Is the sponsor aware of copyright permissions needed for this project?** No
- c. Is the sponsor aware of trademarks that apply to this project?** No
- d. Is the sponsor aware of possible registration activity related to this project?** No

17. Are there other documents or projects with a similar scope? Yes

The current ETSI HiperMAN and IEEE 802.16-2004 standards do not specifically address the rules specified by the FCC for a Contention-Based Protocol for operation in the 3650-3700 MHz band, nor do they address coexistence with IEEE 802.11 projects, but they do address operation in 3400-3800 MHz bands in other regulatory domains. A coexistence protocol for 802.16 systems, currently being addressed in the P802.16h project, could be employed by devices operating in the US 3650-3700 MHz band.

Similar Scope Project Information:

SimSP: P802.16-2004 SimProjNo: P802.16.2004 SimProjD: P802.16.2004 SimTitle: P802.16 Wireless MAN

SimTitle: High Performance Metropolitan Area Networks SimURL: <http://portal.etsi.org/radio/HiperMAN/HiperMAN.asp>

18. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization? Yes

If yes, the following questions must be answered:

Organization Name? ISO/IEC JTC1 SC6 WG1

Technical Committee

International Robin Tasker

Contact CLRC

Information? R.Tasker@dl.ac.uk

19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety? No

If yes, please explain:

20. Sponsor Information

a. Is the scope of this project within the approved/scope/definition of the Sponsor's Charter? Yes

If no, please explain:

b. The Sponsor's procedures have been accepted by the IEEE-SA Standards Board Audit Committee? Yes

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

Item 15 – The project will define a protocol that consists of procedures for initiating new transmissions, procedures for determining the state of the channel (available or unavailable), and procedures for managing retransmissions in the event of a busy channel. IEEE 802 standards have not been designed to accommodate operation in 'lightly-licensed' bands (i.e. non-exclusively licensed, without guarantees about interference), and the 5 GHz concepts of 'Dynamic Frequency Selection' and 'Transmit Power Control' should be generalized beyond sharing with radar systems. This proposed project work on a 'Contention-Based Protocol' is likely to be suitable for use in 'lightly-licensed' bands in other regulatory domains. Item 18 – The project intends to use the joint development process defined in ISO/IEC TR 8802-1:2001 to achieve international standardization.