

**Jodi Haasz**

06/01/01 11:03 AM

To: jcarlo@ti.com  
cc: <stuart.kerry@philips.com>, <dhala@cisco.com>  
Subject: P802.11e and P802.11i

1 June 2001

Dr. Jim Carlo  
Texas Instruments  
9208 Heatherdale Drive  
Dallas, TX 76243

Re: P802.11e Amendment to STANDARD [for] Information Technology-Telecommunications and information exchange between systems-Local and metropolitan area networks-Specific requirements-Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Medium Access Method (MAC) Quality of Service Enhancements

P802.11i Amendment to STANDARD [for] Information Technology-Telecommunications and information exchange between systems-Local and metropolitan area networks-Specific requirements-Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Medium Access Method (MAC) Security Enhancements

Dear Jim:

I am pleased to inform you that on 1 June 2001 the IEEE-SA Standards Board approved the above referenced projects until December 2005. Copies of the file are attached in .pdf format.

**Now that your projects have been approved, please forward a roster of participants involved in the development of these projects. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2f under *Duties of the Sponsor* which states:**

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

**Attached is an Excel spreadsheet for your convenience. Please forward these lists to me via e-mail at [j.haasz@ieee.org](mailto:j.haasz@ieee.org) no later than 1 September 2001.**

At the bottom of this e-mail, please find URLs which you may find useful in the development of your proposed standard and in submitting your final draft for approval. We strongly recommend that a copy of your draft be sent to this office for review prior to the final voting by the working group to allow for a quick review by the editorial staff before sponsor balloting.

If you should have any further questions or would like to receive this information in paper, please contact me at 732-562-6367 or by email at [j.haasz@ieee.org](mailto:j.haasz@ieee.org).

Sincerely,

Jodi Haasz  
Senior Administrator, Standards Board

PS - The information in the .pdf file is viewable in Adobe Reader, version 3.0 or higher. If you do not have this software, please go to <http://www.adobe.com/prodindex/acrobat/readstep.html#reader> to download the free version.

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#### Standards Process-at-a-Glance

<http://standards.ieee.org/resources/glance.html> - A quick-reference site useful to any standards developer.

#### IEEE Standards Style Manual

<http://standards.ieee.org/guides/style/index.html> - Guidelines that establish style and format requirements for the preparation of proposed IEEE standards.

#### IEEE Standards Companion

<http://standards.ieee.org/guides/companion/index.html> - An overall view of the standards process; what to do, what to avoid, lessons learned, and sample forms.

#### Implement Plan for Metric Policy 9.20

<http://standards.ieee.org/announcements/metric.html> - Information on when, why and how the plan will be implemented and what exceptions exist.

#### Leading a Standards Development Group

<http://standards.ieee.org/faqs/ltpres.html#q1> - A free training session offered by staff to make the most of the standards process. After attending, you will have a great understanding of

- the need for due process and consensus
- how to submit PARs and Drafts
- the "legal" aspects (copyrights, trademarks, patents)
- how staff can help you

#### Standards Coordinating Committee 10

<http://standards.ieee.org/faqs/SCC10.html> - An explanation of the importance of coordinating with the IEEE Dictionary (SCC10) as is mandated on the PAR form.

#### Balloting Information

[http://standards.ieee.org/resources/glance\\_at\\_balloting.html](http://standards.ieee.org/resources/glance_at_balloting.html)

#### Standards Development Solutions

<http://standards.ieee.org/sds/index.html>



Sample Roster.xls



802-11i.pdf



802-11e.pdf

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Jodi Haasz

Senior Administrator, Standards Board

Standards Activities

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# PAR FORM

06/01/01

**PAR Status:** Revision of Amendment

**1. Sponsor Date of Request:** 03/20/2001

**2. Assigned Project Number:** 802.11e

**3. PAR Approval Date:** 05/30/2001

**PAR Signature Page on File:** Yes

**4. Project Title and Working Group/Sponsor for this project Document type and title:**

**Document type:** Standard for

**Title:** Amendment to STANDARD [for] Information Technology-Telecommunications and information exchange between systems-Local and metropolitan area networks-Specific requirements-Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Medium Access Method (MAC) Quality of Service Enhancements

**Name of Working Group (WG):** 802.11

**Name of Official Reporter:** Stuart J Kerry

**Telephone:** 408-348-3171

**FAX:** 408-474-7247

**Email:** stuart@ok-brit.com

**Name of Working Group Chair:** (if different than Reporter)

**Telephone:**

**FAX:**

**Email:**

**Name of Sponsoring Society and Committee:** C/LM

**Name of Sponsoring Committee Chair:** James T Carlo

**Telephone:** 214-693-1776

**FAX:** 214-853-5274

**Email:** j.carlo@ieee.org

**Name of Liaison Rep.(If different than Sponsor Chair):**

**Telephone:**

**FAX:**

**Email:**

**5. Type of Project:**

**5a. Is this an update to an existing PAR?** Yes

**If YES: Indicated PAR number/approval date:** 802.11e - 03/30/2000

**If YES: Is this project in ballot now?** No

**5b. The project is a:** Amendment to Std. 802.11-1999

**6. Life Cycle:** Full Use

**7. The type of ballot is:** Individual Sponsor Ballot

**Expected Date of Submission for Initial Sponsor Ballot:** 09/30/2001

**8. Fill in Projected Completion Date for Submittal to RevCom:** 1/31/02

**9. Scope of Proposed Project:**

Enhance the 802.11 Medium Access Control (MAC) to improve and manage Quality of Service, and provide classes of service. Consider efficiency enhancements in the areas of the Distributed Coordination Function (DCF) and Point Coordination Function (PCF).

**10. Purpose of Proposed Project:**

To enhance the current 802.11 MAC to expand support for LAN applications with Quality of Service requirements. Provide improvements in the capabilities and efficiency of the protocol. These enhancements, in combination with recent improvements in PHY capabilities from 802.11a and 802.11b, will increase overall system performance, and expand the application space for 802.11. Example applications include transport of voice, audio and video over 802.11 wireless networks, video conferencing, and media stream distribution.

**11. Intellectual Property**

**Has the sponsor reviewed the IEEE Patent policy with the Group?** Yes

**Are you aware of the possibility of any copyrights relevant to this project?** No

**Are you aware of the possibility of any trademarks relevant to this project?** No

Are you aware of possible registration of objects or numbers due to this project? No

12. Are you aware of other standards or projects with a similar scope? No

13. Will this standard (in part or in whole) be submitted to an international organization for consideration/Adoption? Yes

If yes, please answer the following question:

Which International Organization/Committee? JTC1 SC6

International Contact Information: Tony A Jeffree  
Phone: 011+44-161-973-4278  
FAX: 011+44-161-973-6534  
Email: tony@jeffree.co.uk

14. Is this project intended to focus on health, safety environmental issues? No

15. Mandatory Coordination: SCC10 (IEEE Dictionary) by Circulation of Drafts  
IEEE Staff Editorial Review by Circulation of Drafts  
SCC14 (Quantities, Units and Letter Symbols) by Circulation of Drafts

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

This PAR has removed the Security effort now placed into a separate PAR (proposed 802.11i) in order to allow both projects to progress independently and get done at a quicker pace.