

**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 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.

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

445 Hoes Lane

PO Box 1331

Piscataway, NJ 08855-1331, USA

Phone +1 732 562 6367

FAX +1 732 562 1571

Email: [j.haasz@ieee.org](mailto:j.haasz@ieee.org)

# PAR FORM

06/01/01

**PAR Status:** Amendment of Standard

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

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

**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) Security 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?** 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 enhance security and authentication mechanisms.

**10. Purpose of Proposed Project:**

To enhance the current 802.11 MAC to provide improvements in security.

**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 (802.11i) for Security was split off from 802.11e in order to allow the work to progress independently and get done at a quicker pace. A strong market need arrived from publicized weakness to the currently defined 802.11 security.