



Standards Project Authorization

1. <u>August 25, 1979</u> Date of Request	Project No. <u>802</u> Approved: <u>3/13/80</u> Date
For Standards Committee Use Only	
2. <input checked="" type="checkbox"/> New Standard <input type="checkbox"/> Revision of _____ Standard No. _____	<input type="checkbox"/> Reaffirmation of _____ <input type="checkbox"/> Withdrawal of _____ Standard No. _____
3. Project Title: <u>Local network for Computer Interconnection.</u>	
4. Scope and Purpose of Proposed Standard: <u>The proposed standard will apply to data processing devices which need to communicate with each other at a moderate data rate (1 M bit/sec) and within a local area (physical data path up to 4 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacture so that the hardware and software customization necessary for effective data communication is minimized or eliminated.</u>	
5. Sponsor <u>Computer Standards</u> Technical Committee	<u>Computer Society</u> Society
5a. Proposed ANSI Committee <u>X3</u>	ANSI Project #: _____ Date Approved: _____
6. Proposed Coordination: <u>Dr. Herbert Hecht Computer Society Representative to X3. Also coordination with IEC Committees will be undertaken. Minutes will be mailed to ANSI x 3 Secretary.</u>	
Method of Coordination: <u>Communications Society</u> <u>Computer Sids. Committee (added by amendment 9/17/81 StB meeting)</u>	
7. Name of Group that will Write the Standard <u>Microprocessor Standards</u> Subcommittee <u>Local Network</u> Working Group	
8. Estimated Final Ballot Date <u>December 1982</u> To Technical Committee <u>March 1983</u> To Standards Board	
9. Person Delegated to Receive Communications and Conduct Liaison with Interested Bodies: Name: <u>Maris Graube</u> Company: <u>Tektronix, Inc.</u> Street address: <u>P. O. Box 500, N/S 5B-188</u> <u>Beaverton, OR 97077 (503) 644-0161 Ext. 6234</u> City State Zip Code Telephone	
10. Submitted by: Name: <u>Dr. Robert G. Stewart</u> Company: <u>Stewart Research Enterprises</u> Street address: <u>1650 Belvoir Drive</u> <u>Los Altos, CA 94022 (415) 941-6699</u> City State Zip Code Telephone	

Form SF 1 (4-1979)

Nov 2008
IEEE 802
LMSC

Opening EC Meeting
8 AM-10:30AM

EC Affiliation Update

- Any changes in affiliation among EC members?

Sept/Oct 2008

SA BoG Actions

- BoG approved the SA Strategic Plan-Kenney will provide details later
- Nikolich won Member-at-Large seat on 2009-2010 BoG in fall election

The 2008 BoG consists of:

SA President:	George Arnold
SA President Elect:	Chuck Adams
Standards Board Chair:	Bob Grow
Standards Board Past Chair & Corporate Advisory Group Chair:	Steve Mills
IEEE-SA Treasurer:	Don Wright
Secretary (non-voting):	Judy Gorman
Members-At-Large:	Dennis Brophy, Lanny Floyd, Bilel Jamoussi, Ben Johnson, Fran O'Brien, Ted Olsen, Greg Saunders, Phil Wennblom

new members in 2009/2010: James Williamson, Paul Nikolich

September 2008

SA Standards Board Actions

Standards Approved

New:

P802.1AX/D2.1- LAN Link Aggregation

P802.11y/D11.0 WLAN Amendment 3: 3650-3700 MHz operation in USA

Revisions:

P802.3/D2.3 CSMA/CD Access Method and Physical Layer Specifications

Reaffirmations: none

Corrigendum:

P802.1ak-2007/Cor1/D3.0- VLANs - Amendment 7: Corrections to the Multiple Registration Protocol

Extensions: 802.16h

Withdrawals: next slide

- **Withdrawn**

- **802.5 Standards**

- **802.5-1997 (R2003)** Token Ring Access Method and Physical Layer Specifications
- **802.5j-1997 (R2003)** Token Ring Fibre Optic Media
- **802.5r-1997 (R2003)** Token Ring Dedicated Token Ring Operation
- **802.5t-2000 (R2003)** Token Ring 100 Mbit/s Dedicated Token Ring Operation
- **802.5v-2001 (R2003)** Token Ring Gigabit Token Ring Operation
- **802.5w-2000 (R2003)** IEEE Corrigenda to Token Ring
- **802.5p-1993 (R2003)** Part 2: Logical Link Control-Annex X: End system Route Determination

- **Other SASB activities of interest**

- ProCom: Copyright—Law to describe
- PatCom: working on FAQ regarding ballot comments on potentially essential patents

September 2008

SA Standards Board Actions

Projects Approved

New:

P802.11ac- WLAN MAC and PHY spec amendment for Very High Throughput below 6GHz

Revisions: none

Reaffirmations: none

Extensions:

P802.1AB- Station and Media Access Control Connectivity Discovery

Withdrawals: none

Draft PARs to NesCom

- IEEE P802.3.1 Standard for Management Information Base (MIB) definitions for Ethernet
- IEEE P802.3-2008/Cor 1 (IEEE 802.3bb) Corrigendum 1 Timing considerations for PAUSE operation
- IEEE P802.3bc Amendment: Ethernet Organizationally Specific TLVs
- IEEE P802.3at DTE Power Via MDI Enhancements, modification to Existing Approved PAR

- IEEE P802.11 Revision PAR for IEEE Std 802.11-2007
- IEEE P802.11 Very High Throughput 60 GHz PAR

- IEEE 802.15.4f Low Rate WPANs- Amendment: Active RFID System PHY
- IEEE 802.15.4g Low Rate WPANs- Amendment: PHY for WNAN)

- IEEE 802.15.7 PHY and MAC standard for short-range wireless optical communication using visible light

- IEEE P802.20b MAC Bridging Support

- IEEE P802.21 Media Independent Handover Services - Extensions for Supporting Downlink Only Broadcast Technologies

PARs due to time out DEC08

- 802.1AC Standard for Media Access Control (MAC) Service Definition
- 802.3ar Amendment: Enhancements for congestion management
- 802.11.2 Recommended Practice for the Evaluation of 802.11 Wireless Performance
- 802.15.5 Recommended Practice for mesh topology capability in Wireless Personal Area Networks (WPANs)
- 802.16h Improved Coexistence Mechanisms for License-Exempt Operation Amendment
- 802.21 Standard for Media Independent Handover Services

If these projects will not be submitted to RevCom in time for the December 2008 meeting, you need to take one of the following steps:

1. Request an extension for the project (PAR). Please note that this extension request can be from one to four years, although further justification may be requested for an extension request which exceeds two years.
2. Request withdrawal of the project (PAR).

Draft Standards to Sponsor Ballot

- Check with EC members
- 802.1: dot1aj (cond) dot1aw (cond)
- 802.3: dot3at DTE Power (cond), dot3av 10Gb/s EPON (cond.)
- 802.11: dot11n (cond.)
- 802.15: dot15.3c 60GHz (cond.)
- 802.16: none
- 802.17: none
- 802.20: none
- 802.21: none
- 802.22: none

Draft Standards to RevCom

- Check with EC members
- 802.1: dot1ap (cond)
- 802.3: none
- 802.11: none
- 802.15: dot15.4c, dot15.5 (cond)
- 802.16: dot16rev (cond), dot16j (cond.), dot16h (cond.)
- 802.17: none
- 802.20: none
- 802.21: none
- 802.22: none

SA Standards Board

802 Members on SASB and its subcommittees

SASB members: Bob Grow (chair), Steve Mills (past Chair), David Law, Glen Parsons, Mark Epstein, Arnie Greenspan, Jon Rosdahl

NesCom: Geoff Thompson, Jon Rosdahl, Mark Epstein

RevCom: David Law (chair), Clint Chaplin, Phil Barber, Wael Diab,

ProCom: David Law, Glenn Parsons

PatCom: David Law, Steve Mills, Fran O'Brien

AudCom: Glenn Parsons (chair), Clint Chaplin, Arnie Greenspan

IEEE Staff Introductions

1. Karen Kenney: 802 Ombudsman and Associate Managing Director, Business Administration
2. Michelle Turner Program Manager, Document Development
3. Michael Kipness: Program Manager, Technical Program Development
4. Kathryn Cush: Program Manager, Technical Program Development
5. Bob LaBelle: Manager, Networks and Telecommunications
6. Chris Sahr: Technical Project Manager, Attendance Automation
7. Walter Pienciak Manager of Electronic Information
8. Sue Vogel: Director, Technical Committee Programs

IEEE-SA/802 Task Force

- Wednesday 1-3pm
- Tentative Agenda
 - 1) Attendance tool update (if necessary) C. Sahr
 - 2) SA Strategic Plan--what is the plan to communicate it to the sponsors?--K.Kenney
 - 3) IEEE/IEC Partnership Standards Development Organization Cooperation Agreement--the document was ambiguous--T. DeCourcelle had action items (see draft JUL08 minutes)--update from T DeCourcelle
 - should 802 be concerned?--Andrew Myles
 - 4) Ombudsman update--K. Kenney
 - 5) Copyright Policy (Law)
 - 6) Communication policy (staff to members regarding legal matters)
 - 7) RAC legal issues
 - 8) Adjourn

GetIEEE802 update

- Kenney/Hawkins
- EC ad hoc Wed 10-11am?

SA Strategic Plan Overview

- Kenney

802 attendance SW update

- Gilb/Sahr
 - Discuss during 802 task force meeting

Online training update

- Thaler

SA Staff Liaison Update

- Kipness

Treasurer

John Hawkins reports

LMSC Email Ballot Recap

	close date		yes/no/abs/dnv	
•	27OCT	Disband 802.5WG	16/00/00/00	pass
•	28OCT	802 Asset transfer T&C approval	15/00/00/01	pass

Meeting Fee Waivers

- The following individuals have had their registration fees waived for this plenary session by the LMSC chair.
 - IEEE-SA Staff Participants (per previous slide)
 - Invited Participants
 - None that 802 chair is aware of

Tutorial Schedule

Monday	Tuesday
1) open 6:30-8:00PM sponsor:	3) open 6:30-8:00PM sponsor:
2) open 8:00-9:30PM sponsor:	4) open 8:00-9:30PM sponsor:

ISO/JTC1 SC6 update

- Geoff Thompson
 - Further discussion during 802 task force meeting

P&P Update

- Mat Sherman

Forging Consensus ad hoc

- Pat Thaler, 2nd VC, to lead EC members in implementation of Bruce's recommendations
- EC ad-hoc meeting-Tuesday 6:3-8pm

Status of Study Groups

- WG chairs to report
 - SGs?
 - 802.1- none
 - 802.3 - none
 - 802.11 - very high throughput @ 60GHz, (4th ext)
 - 802.15 - RFID (3rd ext), Visible Light (2nd ext) SG, WNAN (1st ext)
 - 802.16 - none
 - 802.17 - none
 - 802.18 - none
 - 802.19 - none
 - 802.20 - none
 - 802.21 - multi-radio power management conservation SG (2nd ext), security SG (4th ext), emergency communications (2nd ext), Bcast SG (1st ext)
 - 802.22 – none
 - 802 EC—potential for an EC SG on “White Space”...

IEEE802 Monday Plenary Agenda

- 11:00 Welcome Nikolich
 - Financial Report (Hawkins),
 - Patent Policy (Thompson),
 - Membership Policy and P&P update (Sherman),
 - New Member/Mentoring update (Thaler),
 - general announcements (tutorials, new PARs, etc.-Rigsbee) - 20 minutes
 - Q&A on above topics - 10 minutes
- Forging Consensus/Dominance ad hoc (Thaler) - 5 minutes
 - Q&A - 5 minutes
- Sponsor Ballot process clarification (Kraemer) - 5 minutes
- Closing remarks, notices, adjourn - 5 minutes

Meeting Planner RFP update

- Buzz Riggsbee
 - Ad hoc EC meeting—Tuesday 3-5pm

nNA venue update

- Rigsbee
 - EC ad-hoc to refine survey Monday 3-4pm

Network Services Contract

- Rigsbee
 - EC ad-hoc ?

802 appeals update

- Gilb

ITU-R Update

- Mike Lynch
 - WP5D met in Seoul in October

Attendance Tools

- Sahr

EC meetings for the week

(held in CROCKETT)

- Monday 7-8pm How should 802 address “white space”? EC brainstorm... (Kraemer)
- Monday 8-9pm Reorganizing the plenary structure (Jeffree)

- Tuesday 9-noon reserved (Nikolich)
- Tuesday noon-1pm Attendance Tool discussion (Sahr)
- Tuesday 1-2pm open
- Tuesday 3-5pm open
- Tuesday 6:30-8pm Forging consensus, addressing dominance (Thaler)
- Tuesday 8:00-10pm open

- Wed 9-noon open
- Wed noon-1pm open
- Wed 1-3pm 802 Task Force (Nikolich)
- Wed 3-4pm 802 future budget discussion (Hawkins)
- Wed 4-5pm prepare future nNA venue recommendations for EC decision (Rigsbee)

- Thursday 10-11am open
- Thursday 11am-1pm open
- Thursday 1-2pm open
- Thursday 5-7pm open

EC Retreat

- Set aside 2 days between plenary/interim sessions for EC members to address issues such as consensus/dominance, perceived problems with EC members, etc.
- Continue discussion during Tony's ad hoc on plenary restructuring

End of Opening EC Meeting
Start of Plenary Meeting

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- Closing remarks, notices, adjourn - 5 minutes

IEEE 802 ORGANIZATION

EXECUTIVE COMMITTEE (EC)

CHAIR
Paul Nikolich

WORKING GROUP/TAG CHAIRS

APPOINTED OFFICERS

802.1 BRIDGING/ARCH Tony Jeffree	802.3 CSMA/CD David Law	802.11 WLAN Bruce Kraemer	802.18 TAG Radio Regulatory Mike Lynch	1st VICE CHAIR Mat Sherman	2nd VICE CHAIR Pat Thaler
802.15 WPAN Bob Heile	802.16 BWA Roger Marks	802.17 ResPackRing John Lemon	802.19 TAG Coexistence Shellhammer	EXECUTIVE SECY Buzz Rigsbee	RECORDING SECY James Gilb
802.20 MBWA Mark Klerer	802.21 Handoff Vivek Gupta	802.22 WRAN Carl Stevenson		TREASURER John Hawkins	MEMBER EMERITUS Geoff Thompson

HIBERNATION

802.2 LLC (Dave Carlson)
802.12 Demand Priority (Pat Thaler)

DISBANDED

802.4 Token Bus
802.7 Broadband TAG
802.9 ISLAN
802.14 CATV
802.6 DQDB
802.8 Fiber Optic TAG
802.10 Security
802.5 Token Ring

IEEE Standards Organization

Policy

Grow, Mills



Standards Process

Grow



Standards Process

Grow, Mills, Law, Parsons, Epstein, Greenspan, Rosdahl



Approval Process

Thompson, Rosdahl, Epstein



Law, Chaplin, Barber, Diab

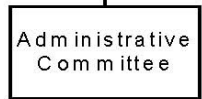
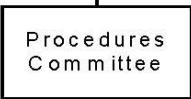


Law, Chaplin, Greenspan

Law, Mills, O'Brien

Process Control

Law, Parsons



Standardization Activities



IEEE 802 is here:

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8. Sue Vogel: Director, Technical Committee Programs

Awards

- **none**

Patent Policy

Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy. Participants:

- “Shall inform the IEEE (or cause the IEEE to be informed)” of the identity of each “holder of any potential Essential Patent Claims of which they are personally aware” if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
 - “Personal awareness” means that the participant “is personally aware that the holder may have a potential Essential Patent Claim,” even if the participant is not personally aware of the specific patents or patent claims
- “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of such potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
- The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group
 - Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2
- **Early identification of holders of potential Essential Patent Claims is strongly encouraged**
- **No duty to perform a patent search**

Other Guidelines for IEEE WG Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
 - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
 - **Don't discuss specific license rates, terms, or conditions.**
 - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
 - Technical considerations remain primary focus
 - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
 - **Don't discuss the status or substance of ongoing or threatened litigation.**
 - **Don't be silent if inappropriate topics are discussed ... do formally object.**

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association’s Antitrust and Competition Policy” for more details.

Reminder

- Upon government request, the IEEE makes available IEEE 802 documents, including password protected EC/WG/TAG documents and archives.

Draft PARs to NesCom

- IEEE P802.3.1 Standard for Management Information Base (MIB) definitions for Ethernet
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- IEEE P802.20b MAC Bridging Support

- IEEE P802.21 Media Independent Handover Services - Extensions for Supporting Downlink Only Broadcast Technologies

Treasurer's report

- Hawkins

Policy and Procedure update

Mat Sherman update

On Line Training

- Pat Thaler

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Q&A

- Please step up to one of the microphones set up in the aisles to ask your questions

Coexistence TAG update

- Steve Shellhammer

Q&A

- Please step up to one of the microphones set up in the aisles to ask your questions

End of Opening Plenary Meeting

Paul Nikolich - IEEE 802 Chair

- EMAIL: p.nikolich@ieee.org
- Phone: 857.205.0050 (mobile)
- Independent consultant in technology and new ventures working with YAS Broadband Ventures, LLC. in Boston MA

Backup slides

Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- **Show slides #1 through #4 of this presentation**
- **Advise the WG attendees that:**
 - The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
 - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
 - There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
 - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
 - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
 - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 12 and 12a on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.

(Optional to be shown)

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

<http://standards.ieee.org/guides/bylaws/sect6-7.html#6>

IEEE-SA Standards Board Operations Manual

<http://standards.ieee.org/guides/opman/sect6.html#6.3>

Material about the patent policy is available at

<http://standards.ieee.org/board/pat/pat-material.html>

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit <http://standards.ieee.org/board/pat/index.html>

This slide set is available at <http://standards.ieee.org/board/pat/pat-slideset.ppt>

Call for Potentially Essential Patents

- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:
 - Either speak up now or
 - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
 - Cause an LOA to be submitted