

AGENDA & MINUTES (Unconfirmed) - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING

Monday, July 9, 2001 - 8:00 a.m.

Downtown Marriott, Portland, OR

1. MEETING CALLED TO ORDER

5 Jim Carlo called the meeting to order at 8:00 am. Members in attendance were:

- Jim Carlo - Chair, IEEE 802 LAN / MAN Standards Committee
- Paul Nikolich - Vice Chair, IEEE 802 LAN / MAN Standards Committee
- Buzz Rigsbee - Executive Secretary, IEEE 802 LAN / MAN Standards Committee
- 10 Bob O'Hara - Recording Secretary, IEEE 802 LAN / MAN Standards Committee
- Robert Grow - Treasurer, IEEE 802 LAN/MAN Standards Committee
- Tony Jeffree - Chair, IEEE 802.1 - HILI Working Group
- Geoff Thompson - Chair, IEEE 802.3 - CSMA/CD Working Group
- Bob Love - Chair, IEEE 802.5 - Token Ring Working Group
- 15 Stuart Kerry - Chair, IEEE 802.11 - Wireless LANs Working Group
- Bob Heile - Chair, IEEE 802.15 - Wireless PAN Working Group
- Roger Marks - Chair, IEEE 802.16 - Broadband Wireless Access Working Group
- Mike Takefman - Chair, IEEE 802.17 - Resilient Packet Ring Working Group
- Vic Hayes - Regulatory Ombudsman
- 20 Pat Thaler - Chair, IEEE P802.12 - DPAM Working Group (in hibernation)

The meeting was attended by approximately 10 IEEE 802 Working Group members and several guests.

2.00 APPROVE OR MODIFY AGENDA

Motion to approve agenda

Moved by Paul Nikolich, seconded by Vic Hayes

25 Motion passes: 8-0-0

Approved at 8:05 am

1.00	MEETING CALLED TO ORDER	- CARLO	1	08:00 AM
2.00	APPROVE OR MODIFY AGENDA	- CARLO	4	08:01 AM
3.00	* APPROVE / MODIFY MINUTES OF PREVIOUS MEETING	- CARLO	5	08:05 AM
4.00	TREASURER'S REPORT	- GROW	10	08:10 AM
	INTERIM MEETING FINANCIAL REPORT	NIKOLICH	10	08:20 AM
	Category (* = consent agenda)			
5.00	II Meeting Week Schedule - IEEE 802	- CARLO	5	08:30 AM
5.01	MI SEC Friday Meeting Time	- CARLO	10	08:35 AM
5.02	ME	-	0	08:45 AM
5.03	ME	-	0	08:45 AM
5.04	ME	-	0	08:45 AM
5.05	MI	-	0	08:45 AM
5.06	MI	-	0	08:45 AM
5.07	MI	-	0	08:45 AM

5.08	MI		-	0	08:45 AM
5.09	DT	Database Update Status & Web Registration	- RIGSBEE	10	08:45 AM
5.10	DT	Update on Standards Availability Program	- WALKER	5	08:55 AM
5.11	DT	Reflector Spam	- O'HARA	5	09:00 AM
5.12	DT	802.15 Coexistence SG	- HEILE	5	09:05 AM
5.13	DT	MIBs: SNMP and/or ISO?	- CARLO	3	09:10 AM
5.14	DT	Rules	- KERRY	1	09:13 AM
5.15	DT	Process for 802 LMSC Chair Election in November	- CARLO	15	09:14 AM
5.16		BREAK	-	15	09:29 AM
5.17	II	Interpretation of 802.16.2	- MARKS	5	09:44 AM
5.18	II	Report on June Standards Board meeting	- CARLO	10	09:49 AM
5.19	II	802.1 Maintenance PARs	- JEFFREE	5	09:59 AM
5.20	II	802.3 EFM PAR and 5 Criteria / Tutorial	- THOMPSON	5	10:04 AM
5.21	II	802.16.2a PAR Amendment to Coexistence Rec Practice	- MARKS	5	10:09 AM
5.22	II	802.11.f- Ammendment to 802.11a Internetworking	- KERRY	5	10:14 AM
5.23	II	802.11.b-Cor1 Status Update (Withdrawn E-ballot)	- KERRY	1	10:19 AM
5.24	II	802.15.1 BlueTooth Update (Withdrawn E-ballot)	- HEILE	1	10:20 AM
5.25	II		-	0	10:21 AM
5.26	II	Trademarks	- WALKER	5	10:21 AM
5.27	II	Draft Position Paper to FCC	- HAYES	5	10:26 AM
5.28	II	Plan for 802-level Regulatory Group	- HAYES	5	10:31 AM
		ADJOURN			10:36 AM
		IEEE 802 PLENARY			11:00 AM

ME - Motion, External MI - Motion, Internal
DT- Discussion Topic II - Information Item

3.00 * APPROVE / MODIFY MINUTES OF PREVIOUS MEETING - CARLO
Approved at 8:05 as part of consent agenda

4.00 TREASURER'S REPORT - GROW
(see file 0701MonTreasRpt.pdf)

Deadbeats? Good shape, except for real old-time deadbeats.

INTERIM MEETING FINANCIAL REPORT
(see file 0701MonTreasRpt.pdf)

NIKOLICH

5

Are the chairs satisfied with the interim? Roger: yes, though \$75/person surplus will need explanation. Bob G: Surplus is nonlinear. Mike: Great, no problem. Vic: Great. Stuart: Great, except 1-hour social was a waste. Bob H: Great. Again Wed social was a joke.

Treasurer Report
Monday, July 9, 2001

- Audit for CY 2000 is in process
- New reporting requirements from Computer Society
- March meeting produced a small surplus, second hotel added significantly to costs.
- May interim produced a surplus
- Operating reserve net of contingencies as at 37% of last meeting costs, rules stipulate 75%-100%.

**IEEE Project 802
Statement of Operations
March 2001 Meeting**

open	1 March Operating Reserve	81,418	
March 2001 Meeting Income:		Actual	Budget
	334 Registrations@ \$300	100,200	
	760 Registrations@ \$250	190,000	
	Registrations@ \$100	0	
	Subtotal	290,200	290,200
	Deadbeat Registrations	900	0
	Bank Interest	343	200
	Other	1,362	400
plus	TOTAL Income	292,805	243,600
March 2001 Meeting Expenses:		Actual	Budget
	Audio Visual Rentals	10,482	8,000
	Bank Charges	1	25
	Copying	2,267	7,000 **
	Credit Card Discount	8,334	5,096 *
	IEEE 802 Free Standards	215,100	67,500
	Meeting Administration	62,715	48,200 *
	Networking	0	15,000
	Phone & Electrical	1,952	1,500
	Refreshments	62,978	22,500
	Shipping	2,448	4,000
	Social	35,332	27,000
	Supplies	0	100
	Other	8,098	0
minus	TOTAL Meeting Expense	409,707	205,921
minus	Equipment Expense	704	5,000
plus	Total Free Standards Escrow	132,900	132,900
plus	Surplus/(Deficit) from May Interim	47,748	0
equals	March 2001 Operating Reserve	144,459	
	Net Change in Operating Reserve	63,745	32,679 **

* Actual charges are based on registration, budget is based on registration forecast.

** Operating reserve includes contingent liabilities of ~\$42,000. Reserve is less than specified by LMSC Rules Procedure 1.

**IEEE Project 802
Statement of Operations
May 2001 Orlando Interim Meeting**

May 2001 Interim Meeting Income			<i>Actual</i>	<i>Budget</i>
179 Registrations@	\$300	53,700		
455 Registrations@	\$250	113,750		
Registrations@	\$100	0		
Subtotal		167,450	167,450	133,500
Deadbeat Registrations			300	0
Other			225	200
plus	TOTAL Income		167,975	133,700
May 2001 Interim Meeting Expenses			<i>Actual</i>	<i>Budget</i>
Audio Visual Rentals			3,866	11,400
Bank Charges			0	
Copying			0	250
Credit Card Discount			1,929	3,500 *
IEEE 802 Free Standards Escrow			0	
Luncheon			33,766	
Meeting Administration			29,562	32,000 *
Phone & Electrical			606	2,500
Refreshments			42,549	79,973
Shipping			1,005	2,000
Social			6,902	
Supplies			0	1,000
Other			42	1,000
minus	TOTAL Meeting Expense		120,227	133,623
	Net Surplus/(Deficit) to 802		47,748	77 **

* Actual charges are based on registration, budget is based on registration forecast.

** Some hotel charges are under dispute and remain unpaid (~\$1700) and some credit card discount has not yet been debited (\$1800).

5.00 II Meeting Week Schedule - IEEE 802

- CARLO

Friday SEC meeting moved to 3-7pm. Paul asks for input on rules change to set closing SEC meeting time.

5.01 MI SEC Friday Meeting Time

- CARLO

5 Friday SEC meeting is 3-7pm.

5.09 DT Database Update Status & Web Registration

- RIGSBEE

Web registration went very well, though a few folks registered multiple times (including one poor soul that registered 17 times). Database conversion is proceeding.

5.10 DT Update on Standards Availability Program

- WALKER

10 Presentation from Jerry Walker (file: jul802updt.ppt)

How has PDF availability expanded standards availability? No numbers yet. How has the program affected print sales? No numbers yet. August-September is critical period. Who is the contact to make drafts available? Jerry Walker is the right person. Jerry wants to make every draft available.

Have any sponsors been found? Not yet been aggressively pursued.

15 Jerry wants an LMSC 3-year business plan. Jim: LMSC has only 12-18 month visibility. Jerry: anything is better than what they have now (nothing).



**IEEE 802® Standards
Availability Pilot
(Get IEEE 802™)
Update**

IEEE 802® Opening Plenary SEC
9 July 2001

IEEE 802® IEEE-SA Partnership

Launch a 3-year pilot program that provides for the public availability of individual IEEE 802® Standards in PDF format via the IEEE-SA web site effective 15 May 2001.

- IEEE 802® contribution of \$75 per person per meeting since July 2000
- Individual IEEE 802® PDFs available 6 months after publication
- IEEE-SA socialize corporate solicitation
- Program labeled as “Sponsored by Industry”
- Program to be reviewed yearly for viability

Get IEEE 802™

The Team

- Jim Carlo*
- John Day
- Howard Frazier*
- Judith Gorman
- Yvette Ho Sang
- Jennifer Longman
- Karen Mc Cabe
- Walter Pienciak
- Marcus Plessel
- Karen Rupp
- Linda Sibia
- Claudio Stanziola
- Geoff Thompson*
- Michelle Turner
- Jerry Walker
- Esaleta Yearwood

*Volunteers

Get IEEE 802™ Financial Status

- IEEE 802® contribution of \$215K
- Jim Carlo contribution of \$1K
- Expect \$75K in July and \$75K in November

Get IEEE 802™ - Download Activity

- **Almost 130,000 downloads through 17 June 2001**
 - Peaked second and third weeks
- **Most popular -**
 - 802
 - 802.3
 - 802.11, .11a, .11b
- **Some remote file caching since third week to moderate impact on network connections**

Get IEEE 802™ - Customer Relationship Management

- Briefed Distributors and IEEE Depts
- Combined L/MAN with L/MAN Plus Drafts Subscription to hold value
 - extended Plus subscribers 3 months
 - added drafts for L/MAN subscribers
- August- September critical period
- Account Manager to meet renewal objectives

Get IEEE 802™ Going Forward

- Pursue sponsorship aggressively
- Use website to market new and related products
- Publish quickly (JIT)
- Get LMSC three-year business plan
- Manage subscription renewals
- Enhance subscription benefits and features
- More in-depth analyses of traffic and revenue streams

"Thank-you so much for making the IEEE 802 standards available for free. This is going to make a huge difference in our industry. You deserve an award!"



Get IEEE 802™

URL

standards.ieee.org/getieee802



5.11 DT Reflector Spam

- O'HARA

SEC list uses filters. .15 has restricted posts to members. IEEE staff is also attempting to deal with this. A suggestion was made to have 802 list owners exchange ideas and information on spam eradication efforts.

5 **5.12 DT Executive Coexistence SG**

- LANSFORD

Converging to a proposal for a TAG. How do people participate in a TAG like this? May be proposing a rules change to eliminate membership requirements. Some concern expressed on this topic. TAG is the result of a PAR and is supposed to produce a recommended practice. Suggestion is to make the group a "cross-WG" group to avoid competing for membership. The Radio Regulations SG is also facing this same problem. Jim suggests an offline discussion to define structure and administration.

10 This problem has been dealt with in other IEEE standards organizations. It may not have been handled any better, but it does appear it may have been handled differently.

5.13 DT MIBs: SNMP and/or ISO?

- CARLO

15 Different groups do different styles. 802.3 has their own description style that is easily convertible to either SNMP or ISO. They also include ISO object definitions. 802.11 does only SNMP. 802 and 802.1f describe using ISO definitions. 802.1 is now stripping the ISO upon revision of the standards.

5.14 DT Rules

- KERRY

Robert's Rules of Order is now revised (version 10). Some concern expressed that this does not meet advance notice requirements for changing rules and bylaws at the IEEE-SA level.

5.15 DT Process for 802 LMSC Chair Election in November

- CARLO

20 see file: JUL01-Carlo.ppt

SEC Chair Election Process

- Nominations:
 - SEC Member nominates candidate(s)
 - Nominations close on Monday at 8:30am, 5 November at SEC meeting
 - Candidates should contact Jim Carlo
 - Review of Job Duties
 - Submit bio to SEC Reflector
- If only one Candidate
 - SEC to Elect on Monday
- If there are more than one candidate
 - Open Discussion between candidates on Tuesday Evening
 - Candidate election at SEC meeting on Friday
- Candidate Approved by Computer Society SAB

SEC Chair Election in November - Afterwards

- Chair assumes office at the close of the SEC Friday Meeting
 - Contingent on Computer Society Approval
- Elected officers to remain in office until term end (Mar-2002)
 - Gives new chair time to select appointments for continuity
 - New Elected officers (could be same) affirmed in Mar-2002
- All WG Chairs are elected in Mar-2002
- SEC Chair also elected again in Mar-2002
 - Assumed to be the same person elected in Nov-2001

5.17 II Interpretation of 802.16.2

- MARKS

see file dot16MondaySEC.ppt

- 5 Terry agrees with Geoff that the interpretation request must go to the SA secretary, that 802.16 is the designated interpretations group, that the SEC does not need to review the result, and that the result is not to be bound into the standard, but a URL should be included in the standard that says “Any interpretation requests and answers will be published at the following URL:”.

IEEE 802.16
Working Group on
Broadband Wireless Access
(BWA)

Opening SEC Meeting

9 July 2001

8-10:30 am

Interpretation of 802.16.2

- **802.16.2 was approved on 6 July 2001.**
- **It requires an interpretation (based on issue raised by an 802.16 Member).**
- **IEEE-SA Stds Board Operations Manual:**
 - Requests for interpretations shall be submitted ... to the Secretary of the IEEE-SA Standards Board, who shall forward the request to the appropriate committee designee.
 - the committee designee shall prepare an interpretation... shall be circulated to the designated interpretations subgroup and transmitted to the party initiating the request only after it has met the concurrence of the interpretations subgroup... A copy of the written interpretation shall be forwarded to the Sponsor for consideration as an amendment to the standard or for inclusion in the next revision.

Interpretation Issues

- **Do we really need to submit the question to the IEEE-SA Secretary?**
- **Can 802.16 be the “designated interpretations subgroup?”**
- **Should interpretation be reviewed by or approved by SEC?**
- **Can we bind the interpretation with the standard (e.g., in the Introduction, which is labeled “This introduction is not a part of IEEE 802.16.2-2001”.)**
 - Staff project editor said no; is this the final word? (she suggested a URL)

5.18 II Report on June Standards Board meeting
see file JUL01-Carlo.ppt

- CARLO

IEEE-SA Activities

- Standard Board (Jim Carlo, Howard Frazier, Geoff Thompson)
 - Number of new PARS significantly decreasing
 - RevCom and NesCom instituting continuous processing
 - Voting Machine Measurement PAR approved
 - IEEE is 501.3c (Tax Code) - **Standards for the Public Good**
 -
- Board of Governors
 - IEEE thrust to ensure standards seen as “International”
 - Get IEEE 802® program highlighted to BOG
 - Emphasis on “Corporate Participation”

5.19 II 802.1 Maintenance PARs

- **JEFFREE**

Will be asking for approval on Friday.

5.20 II 802.3 EFM PAR and 5 Criteria / Tutorial

- **THOMPSON**

5 EFM SG circulated PAR and 5C, tutorial tonight, expect approval on Friday. If PAR is approved, a press release will be asked to be approved.

5.21 II 802.16.2a PAR Amendment to Coexistence Rec Prctice

- **MARKS**

see file dot16MondaySEC.ppt

Will be asking for approval on Friday.

10

Draft PAR 802.16.2a

- Amendment to the (*approved*) Recommended Practice 802.16.2
- Still licensed bands only
 - Little relevance to 802.11 or 802.15
- Two separate tasks on the same time track:
 - Enhance results for coexistence with point-to-point systems (which may operate in the same band)
 - Add results for 2-11 GHz (802.16's TG3)

5.22 II 802.11.j PAR

- KERRY

Will be asking for approval on Friday, but may be withdrawn.

5.23 II 802.11.b-Cor1 Status Update (Withdrawn E-ballot)

- KERRY

5 Recirculated after e-ballot withdrawn. Will ask to forward on Friday.

5.24 II 802.15.1 BlueTooth Update (Withdrawn E-ballot)

- HEILE

Recirculated after e-ballot withdrawn. Will ask to forward on Friday.

5.26 II Trademarks

- CARLO/WALKER

(see file MARKS.PPT)

- 10 Bob G: Indemnification is quite serious. This is the first appearance of this term. Pat T: would like this presentation on the web site so that it can be brought to company lawyers for review. Geoff: Very concerned about the form in which this is posted. Thinks this is badly screwed up and doesn't want to force IEEE staff to have to stand behind this. Mick: Because the use of these terms are already so widespread in the industry it will be years before control can be attained. IF this is a way of protecting the IEEE., you should be considering an incredibly extensive legal budget. Bob H: WECA is promoting dropping IEEE and 802.11 entirely in favor of Wi-Fi. Bob G: How is this applicable "to the public good"? This may affect tax status.
- 15

The background features a large, light gray watermark of the IEEE diamond logo. The logo consists of a diamond shape with a white outline, containing a white stylized figure of a person with arms raised, and a white circular arrow around the figure's waist. The text "IEEE® Marks Use" is overlaid on the top half of the diamond.

IEEE® Marks Use

IEEE 802® Opening Plenary SEC
9 July 2001

Background

- IEEE 802-1990 and other standards specify compatibility or compliance
- IEEE® and 802® and others (e.g. POSIX®, NESC®) are registered trademarks
 - 5/11/1993
 - 4/18/2000
- IEEE requires permission to use its mark
- IEEE-SA needs policy for industry use
- Current practice represents liability exposure for IEEE

Result

- **IEEE-SA recommending initial permission “monitoring” activity**
- **IEEE-SA will develop appropriate program(s) to be approved by IEEE-SA Board of Governors (and IEEE Board of Directors)**
- **Appropriate fees**

Initial Permission Activity

- To protect marks and to reduce liability to IEEE (accounting for its tax status)
- Appropriate language in all standards
- Require permission for companies to use marks in products and packaging
- Require indemnification for IEEE
- No fees

Next Steps

- Form volunteer advisory group of affected standards to work with staff
- Develop more encompassing program

For further information contact:

Claudio Stanziola

Mgr, Licensing and Contracts

c.stanziola@ieee.org

5.27 II Draft Position Paper to FCC

- HAYES

5 Further NPRM 99-231 on spread spectrum rules, has an incomplete draft position paper. Will work on oit this week. Ask three WGs to approve inclosing sessions. If the majority of WGs support this, will ask SEC approval on Friday. Roger asks what group Vic is representing. Vic says that this is from an 802.11 group trying to become an 802 group. Jim C expresses the opinion that a single “response” paper with, possibly, divergent positions from WGs might be the better way to handle this.

5.28 II Plan for 802-level Regulatory Group

- HAYES

Currently only has charter in 802.11, but working to develop 802-level charter. What is the time-frame for this to happen? May require a rules change and that would mean November.

10 Motion to adjourn: Paul/Bob G. passes without objection.

Meeting adjourned at 10:35am PDT.

AGENDA & MINUTES (Unconfirmed) - IEEE 802 Monday Opening Plenary Meeting

Monday, July 9, 2001 - 11:00 a.m.

Downtown Marriott, Portland, OR

1. MEETING CALLED TO ORDER

5 Jim Carlo called the meeting to order at 11:00 am.

•11:00 Welcome and Review of SEC Meeting Carlo

See file JUL01-Carlo.ppt

IEEE802 Monday Plenary Agenda

- 11:00 Welcome and Review of SEC Meeting Carlo
- 11:07 Get IEEE 802® Walker
- 11:12 Voting Rules and IEEE 802 Operating Rules Nikolich
- 11:15 Treasurer's Report Grow
- 11:20 Regulatory Ombudsman Hayes
- 11:25 IEEE Project Editors Status Report IEEE
- 11:30 802.1 Management/VLANs Jeffree
- 11:34 802.3 CSMA/CD (Ethernet) Thompson
- 11:39 802.11 WLAN (Wireless Local Area Network) Kerry
- 11:44 802.15 WPAN (Wireless Personal Area Network) Heile
- 11:48 802.16 BWA (Broadband Wireless Access) Marks
- 11:53 802.17 RPR (Resilient Packet Ring) Takefman
- 11:56 Wireless Coexistence SEC SG Langford
- 11:58 Tutorials, Meeting Arrangements Rigsbee
- 12:00 ADJOURN
- **www.ieee802.org** **SEC Meeting: 3-7pm, Friday**



IEEE 802 ORGANIZATION

SPONSOR EXECUTIVE COMMITTEE (SEC)

CHAIR
Jim Carlo

WORKING GROUP CHAIRS

802.1
BRIDGING/ARCH
Tony Jeffree

802.3
CSMA/CD
Geoff Thompson

802.17
ResPackRing
Mike Takefman

802.11
WLAN
Stuart J. Kerry

802.15
WPAN
Bob Heile

802.16
BWA
Roger Marks

APPOINTED OFFICERS

VICE CHAIR
Paul Nikolich

RECORDING SEC
Howard Frazier

EXECUTIVE SEC
Buzz Rigsbee

TREASURER
Bob Grow

REGULATORY
Vic Hayes

HIBERNATION

802.2 LLC (Dave Carlson)

802.5 Token Ring (Bob Love)

802.4 Token Bus (Paul Eastman)

802.6 DQDB (Jim Mollenauer)

802.7 Broadband TAG (P Nikolich)

802.9 ISLAN (D. Vaman)

802.10 Security (Ken Alonge)

802.12 Demand Priority (Pat Thaler)

DISBANDED

802.8 Fiber Optic TAG (C. Benson)

802.14 CATV (Robert Russell)



Jim Carlo - IEEE 802 Chair

Jul-2001

SEC Friday Meeting
3:00 – 7:00pm

No Thursday Midnight Meeting

Jim Carlo - IEEE 802 Chair

- EMAIL: j.carlo@ieee.org
- Phone: 214-693-1776 (Cellular)
- Fax: 214-853-5724
- Texas Instruments, Dallas, TX

- Goals for IEEE 802 - 2001
 - Enable IEEE802 to develop consensus standards that benefits the World Wide Networked Society.
 - Maintain the imperative principals of due process, consensus, openness, balance and rights of appeal.
 - Electronic distribution of standards.

- I will be resigning as Chair in November 2001.

SEC Chair Election Process

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 - Review of Job Duties
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 - Open Discussion between candidates on Tuesday Evening
 - Candidate election at SEC meeting on Friday
- Candidate Approved by Computer Society SAB

Patents -IEEE-SA Standards Board Bylaws (Jan-2000)

6. Patents

IEEE standards may include the known use of patent(s), including patent applications, if there is technical justification in the opinion of the standards-developing committee and provided the IEEE receives assurance from the patent holder that it will license applicants under reasonable terms and conditions for the purpose of implementing the standard. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent becomes known after initial approval of the standard). This assurance shall be a letter that is in the form of either

- a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement the proposed IEEE standard against any person or entity using the patent(s) to comply with the standard or
- b) A statement that a license will be made available to all applicants without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination

Patents - IEEE-SA Standards Board Operations Manual (Jan 2001)

6.3 Patents

The patent policy is set forth in clause 6 of the *IEEE-SA Standards Board Bylaws*. Patent holders shall submit letters of assurance to the IEEE Standards Department (to the attention of the Staff Administrator, Intellectual Property Rights) before the time of IEEE-SA Standards Board review for approval. In the event that a patent may apply to a standard and a letter of assurance cannot be obtained, the working group shall refer this matter to the Patents Administrator in the IEEE Standards Department. Unless the letter of assurance is received from an individual within the issuing organization who has clear authority for intellectual property and/or legal matters, the IEEE Standards Department (Administrator, Intellectual Property) shall send a certified letter, return receipt requested, to the General Counsel of the issuing organization to confirm receipt of the letter of assurance and to ensure that the letter of assurance is factually correct and was submitted by an appropriate individual within the issuing organization. No response to this letter, other than the return receipt, is required. The IEEE will provide contact information about the patent holder upon request.

Patents - IEEE-SA Standards Board Operations Manual (Jan 2001)

6.3.1 Public notice

The following notice shall appear when the IEEE receives assurance from a known patent holder prior to the time of publication that a license will be made available to all applicants either without compensation or under reasonable rates, terms, and conditions that are demonstrably free of any unfair discrimination.

“Attention is called to the possibility that implementation of this standard may require use of subject matter covered by patent rights. By publication of this standard, no position is taken with respect to the existence or validity of any patent rights in connection therewith. The IEEE shall not be responsible for identifying patents for which a license may be required by an IEEE standard or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention. A patent holder has filed a statement of assurance that it will grant licenses under these rights without compensation or under reasonable rates and nondiscriminatory, reasonable terms and conditions to all applicants desiring to obtain such licenses. The IEEE makes no representation as to the reasonableness of rates and/or terms and conditions of the license agreements offered by patent holders. Further information may be obtained from the IEEE Standards Department. “

If the IEEE has not received letters of assurance prior to the time of publication, the following notice shall appear:

“Attention is called to the possibility that implementation of this standard may require use of subject matter covered by patent rights. By publication of this standard, no position is taken with respect to the existence or validity of any patent rights in connection therewith. The IEEE shall not be responsible for identifying patents for which a license may be required by an IEEE standard or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention.”

6.3.2 Submittal

Through the working group, the Sponsor chair shall request that known patent holders submit a statement either that the patent does not apply to the standard or that licenses will be made available without compensation or under reasonable rates, terms, and conditions. This assurance shall be obtained without coercion and submitted to the IEEE at the earliest practical time prior to the approval of an IEEE standard.

The IEEE encourages early disclosure to the working group of patent information that might be relevant to the standard. While standards may include the known use of patents if there is technical justification, the working group should not attempt to determine whether or not a patent applies. The working group shall accept the view of the patent holder.

6.3.3 Disclaimer

The IEEE shall not be responsible for identifying all patents for which a license may be required by an IEEE standard or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention.

IEEE 802 WG Voting Rules

5.1.3 Membership

All persons participating in the initial meeting of the Working Group become voting members of the Working Group. Thereafter, voting membership in a Working Group is established by participating in the meetings of the Working Group at two out of the last four Plenary sessions, and (optionally) a letter of intent to the Chair of the Working Group. Membership starts at the third Plenary session. One duly constituted interim Working Group or task group meeting may be substituted for the Working Group meetings at one of the two Plenary sessions (See 5.1.3.5 Meetings and Participation).

Members of the Working Group who have not achieved voting status are known as observers. Liaison members are those designated individuals who provide liaison with other working groups or standards bodies.

IEEE STANDARDS ASSOCIATION

IEEE-SA BOARD OF GOVERNORS

IEEE-SA STANDARDS BOARD

NESCOM - PARS
REVCOM - STANDARDS
PATENTS

COMPUTER SOCIETY SAB

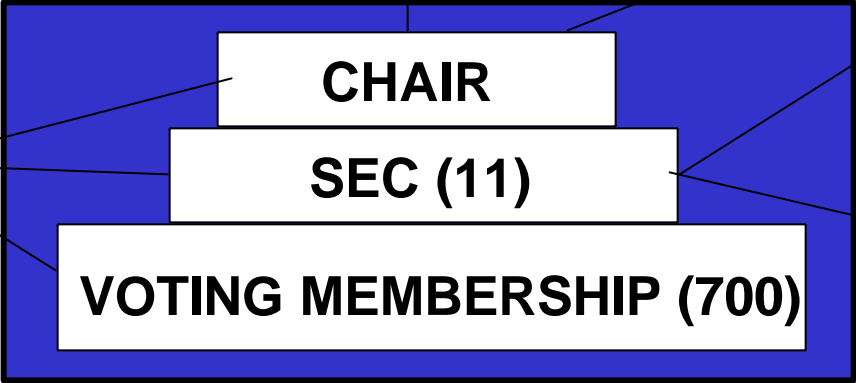
APPEALS
PRESS RELEASES
RULES

IEEE-SA STAFF

PUBLISHING
LMSC BALLOTS
SUPPORT
TRAINING

IEEE 802

SPONSOR



US TAG

ISO/IEC
JTC1/SC6




•11:07 Get IEEE 802™

Walker

see file Jul802updt-p.ppt

5

Jim Carlo was given award certificate for participation as an individual Platinum Contributor in the Get IEEE 802 program. Geoff Thompson, Howard Frazier, and Paul Nikolich receive awards as Platinum contributors on behalf of 802 LMSC. Standing ovation given to Jerry Walker for his contribution to getting the Get IEEE 802 program in place.

A large, light gray lightbulb icon is centered in the background. The bulb is oriented vertically with the filament pointing downwards. The text is overlaid on the bulb.

**IEEE 802® Standards
Availability Pilot
(Get IEEE 802™)
Update**

IEEE 802® Opening Plenary

9 July 2001

Get IEEE 802™ - Download Activity

- **Almost 130,000 downloads through 17 June 2001**
 - Peaked second and third weeks
- **Most popular -**
 - 802
 - 802.3
 - 802.11, .11a, .11b
- **Some remote file caching since third week to moderate impact on network connections**



standards.ieee.org/getieee802



Get IEEE 802™

URL

standards.ieee.org/getieee802



•11.12 Voting Rules and IEEE 802 Operating Rules **Nikolich**

No proposed rules changes at this meeting. Investigating some items that may result in future changes.

5

•11:15 Treasurer's Report **Grow**

see file 0701MonTreasRpt.pdf

Treasurer Report
Monday, July 9, 2001

- Audit for CY 2000 is in process
- New reporting requirements from Computer Society
- March meeting produced a small surplus, second hotel added significantly to costs.
- May interim produced a surplus
- Operating reserve net of contingencies as at 37% of last meeting costs, rules stipulate 75%-100%.

**IEEE Project 802
Statement of Operations
March 2001 Meeting**

open	1 March Operating Reserve	81,418	
March 2001 Meeting Income:		Actual	Budget
	334 Registrations@ \$300	100,200	
	760 Registrations@ \$250	190,000	
	Registrations@ \$100	0	
	Subtotal	290,200	290,200
	Deadbeat Registrations	900	0
	Bank Interest	343	200
	Other	1,362	400
plus	TOTAL Income	292,805	243,600
March 2001 Meeting Expenses:		Actual	Budget
	Audio Visual Rentals	10,482	8,000
	Bank Charges	1	25
	Copying	2,267	7,000 **
	Credit Card Discount	8,334	5,096 *
	IEEE 802 Free Standards	215,100	67,500
	Meeting Administration	62,715	48,200 *
	Networking	0	15,000
	Phone & Electrical	1,952	1,500
	Refreshments	62,978	22,500
	Shipping	2,448	4,000
	Social	35,332	27,000
	Supplies	0	100
	Other	8,098	0
minus	TOTAL Meeting Expense	409,707	205,921
minus	Equipment Expense	704	5,000
plus	Total Free Standards Escrow	132,900	132,900
plus	Surplus/(Deficit) from May Interim	47,748	0
equals	March 2001 Operating Reserve	144,459	
	Net Change in Operating Reserve	63,745	32,679 **

* Actual charges are based on registration, budget is based on registration forecast.

** Operating reserve includes contingent liabilities of ~\$42,000. Reserve is less than specified by LMSC Rules Procedure 1.

**IEEE Project 802
Statement of Operations
May 2001 Orlando Interim Meeting**

May 2001 Interim Meeting Income			<i>Actual</i>	<i>Budget</i>
179 Registrations@	\$300	53,700		
455 Registrations@	\$250	113,750		
Registrations@	\$100	0		
Subtotal		167,450	167,450	133,500
Deadbeat Registrations			300	0
Other			225	200
plus TOTAL Income			167,975	133,700
May 2001 Interim Meeting Expenses			<i>Actual</i>	<i>Budget</i>
Audio Visual Rentals			3,866	11,400
Bank Charges			0	
Copying			0	250
Credit Card Discount			1,929	3,500 *
IEEE 802 Free Standards Escrow			0	
Luncheon			33,766	
Meeting Administration			29,562	32,000 *
Phone & Electrical			606	2,500
Refreshments			42,549	79,973
Shipping			1,005	2,000
Social			6,902	
Supplies			0	1,000
Other			42	1,000
minus TOTAL Meeting Expense			120,227	133,623
Net Surplus/(Deficit) to 802			47,748	77 **

* Actual charges are based on registration, budget is based on registration forecast.

** Some hotel charges are under dispute and remain unpaid (~\$1700) and some credit card discount has not yet been debited (\$1800).

See file IEEE staff 802 Presentation.ppt

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Jennifer Longman, project editor for 802 standards presented this update:
802.5w, 802.1t, 802.1u., 802.1v, 802.1w published so far this year
802-2001, 802.1X, 802.5v, 802.11d, 802.16.2 approved

10

Send drafts to Angela Ortiz: a.ortiz@ieee.org for public availability
Angela is a new staff engineer and now 802 staff liaison.

Award plaques were presented to Tony Jeffree and Mick Seaman for 802.1t-2001, 802.1u-2001, and 802.1v-2001.
Award plaques will also be sent to David Delaney and Andrew Smith for 802.1v-2001.

15

An award plaque was presented to Bob O'Hara for the 802.11C contribution addition to 802.1D-1998.

How to Join the IEEE Standards Association

You must be a member of the IEEE Standards Association to vote on a draft standard

- Membership Applications are available at the IEEE display in the lobby
- Join online at: <http://standards.ieee.org>
- Call Customer Service at: 1 (800) 678 IEEE

Drafts

- As soon as a draft is mature, please submit a copy to:

Angela Ortiz, Program Manager, Technical Programs

Email: a.ortiz@ieee.org

Published IEEE 802[®] Standards

- IEEE Std 802.5w-2000
- IEEE Std 802.1t-2001
- IEEE Std 802.1u-2001
- IEEE Std 802.1v-2001
- IEEE Std 802.1w-2001

Approved IEEE 802[®] Standards

- IEEE Std 802-2001
- IEEE Std 802.1X-2001
- IEEE Std 802.5v-2001
- IEEE Std 802.11d-2001
- IEEE Std 802.16.2-2001

•11:25 802.1 Management/VLANs

Jeffrey

See file 2001-07-802-1 status at start of meeting.ppt

802.1 – Activities & status

Tony Jeffree, WG Chair

9th July 2001

Areas of work

- 802 Architecture
- Interworking between 802 technologies
 - “Technical Plenary” if needed
- MAC Bridging
 - “traditional” bridging
 - VLAN bridging
- LAN management
- Website: <http://www.ieee802.org/1/>

Status of current projects - (1)

- Standard 802 revision (Overview & Architecture)
 - Approved by June RevCom
 - Some residual problems re compliance and IEEE trade-marks
- P802.1s - Multiple Spanning Tree support in VLANs
 - Draft 10 underwent a Task Group ballot; comment resolution to be done this week

Status of current projects - (2)

- P802.1t - Tech & ed corrections to 802.1D MAC Bridges
 - Approved by March RevCom
- P802.1u - Tech & ed corrections to 802.1Q VLANs
 - Approved by March RevCom

Status of current projects - (3)

- P802.1v - VLAN classification by protocol and port
 - Approved by March RevCom
- P802.1w - Rapid Spanning Tree reconfiguration
 - Approved by June RevCom

Status of current projects - (4)

- P802.1X - Port based network access control
 - Approved by June RevCom
- 802.1H – MAC Bridging of Ethernet – undergoing 5 year reaffirmation ballot – closes 12th July - 66% response so far
- Will be raising maintenance PARs for 802.1D, Q and X during this meeting

•11:29 802.3 CSMA/CD (Ethernet)

Thompson

see file 802PlenaryHHeadDot3-Mon.ppt

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IEEE 802.3 CSMA/CD Working Group Status

- Major Activities:
 - P802.3ae 10 Gigabit Ethernet TF
1st WG Ballot recirculation just closed
 - P802.3af DTE Power via MDI
Draft just released Friday for TF review
 - Study Group: Ethernet in the First Mile
Presenting PAR & 5 Criteria for approval

IEEE 802.3 CSMA/CD Working Group Status

- Other Activities:
 - P1802.3Rev., 10BASE-T Conformance Test
2nd Sponsor recirc (and on to RevCom?)
 - P802.3ag-REV Maint #6
Sponsor ballot just opening
 - Liaison reports
 - Ad Hoc: Cable Discharge

IEEE Std. 802.3 Status

- **Published (PDF & Paper)**

- **IEEE Std. 802.3 2000 Edition**

- **ISO/IEC 8802-3 Sixth Edition 2000 - ## - ##**

- Paper: ISO edition only: 1586 pages**

- PDF included in current CD-ROM (as 802.3)**

- Available at no charge from “IEEE Download 802”**

- <http://standards.ieee.org/getieee802/802.3.html>

- **Now Obsolete:**

- **IEEE Std. 802.3 1998 Edition**

- **IEEE Std. 802.3ac-1998 VLAN Tag Supplement**

- **IEEE Std. 802.3ab-1999 1000BASE-T Supp.**

- **IEEE Std. 802.3ad-2000 Link Aggregation Amend't**

802.3 CSMA/CD Working Group Officers

- 802.3 Chair: Geoff Thompson
(thompson@ieee.org)
- 802.3 Vice Chair: David Law
(davel@pdd.3Com.com)
- 802.3 Secretary: Bob Grow
(bob.grow@intel.com)
- 802.3ae 10 Gig E'net: Jonathan Thatcher
(jonathan@worldwidepackets.com)
- DTE Power via MDI: Steve Carlson
(scarlson@esta.org)
- Ethernet in First Mile SG: Howard Frazier
(millardo@dominetsystems.com)

- WE WILL MEET IN THIS ROOM

STARTING at 1:00 PM

- 802.3 CSMA/CD Web site
- Information is always available on our web site:

<http://www.ieee802.org/3/index.html>

•11:34 802.11 WLAN (Wireless Local Area Network) Kerry

Award plaques were presented to Al Petrick and Bob O'Hara for the "IEEE 802.11 Handbook", the year 2000 bestseller.

5 See file 802.11 Ex-Com Opening Report-July-2001.xls

R4

68th Session of the
IEEE 802.11 Working Group
Wireless Local Area Networks



July 8th - 13th, 2001, Portland, OR.

R4 68th IEEE 802.11 WLAN MEETING Portland Marriott Downtown, 1401 Southwest Naito Parkway, Portland, OR 97201, USA. July 8th-13th, 2001 The graphic below describes the weekly session of the IEEE P802.11 WG in graphic format.																			
SUNDAY		MONDAY				TUESDAY				WEDNESDAY				THURSDAY				FRIDAY	
07:00-07:30														802.11 WG CHAIRs MEETING					
07:30-08:00																			
08:00-08:30																			
08:30-09:00		5GSG Adhoc 802 SEC MEETING				TGH TGE (QoS) 802 COEX TGG				5GSG TGH TGG TGI (SEC) R-REG				TGH 5GSG TGE (QoS) TGF R-REG				802.11 WG CLOSING	
09:00-09:30																			
09:30-10:00																			
10:00-10:30		Break				Break				Break				Break				Break	
10:30-11:00																			
11:00-11:30		5GSG Adhoc 802 PLENARY				TGF TGE (QoS) PC TGG R-REG				5GSG TGF TGG TGI (SEC) R-REG				TGG 5GSG TGE (QoS) TGF				802.11 WG CLOSING	
11:30-12:00																			
12:00-13:00		Lunch				Lunch				Lunch				Lunch					
13:00-13:30																			
13:30-14:00		Optional Meeting Time & Network Setup				802.11 WG OPENING (ending with a 10 minute new members orientation)				802.11 / 802.15 JOINT MEETING				802.11 / 802.15 JOINT MEETING					
14:00-14:30																			
14:30-15:00																			
15:00-15:30		Break				Break				Break				Break					
15:30-16:00																			
16:00-16:30																			
16:30-17:00		11/15 CO-ORD MEETING				TGG TGH TGE (QoS) R-REG				802.11 WG (Optional)				TGF 5GSG TGE (QoS) TGI (SEC)				802 SEC MEETING	
17:00-17:30																			
17:30-18:30		Break				Dinner				Dinner				Break				Dinner	
18:30-19:00																			
19:00-19:30		802.11 WG CHAIRs MEETING				5GSG TGH TGE (QoS) TUT 1				TGF TGH TGI (SEC) TUT 3				Social				TGE (QoS) TGG 5GSG 802 COEX TGI (SEC)	
19:30-20:00																			
20:00-20:30																			
20:30-21:00																			
21:00-21:30																			

LEGEND

TGB-COR1 TGE (QoS) TGG TGI (SEC) R-REG 11/15 CO-ORD COA TUT	Task Group B-Cor1 (Corrigendum MIB) Task Group E (MAC Enhancements - QoS) Task Group G (802.11b Data Rates >20 Mbit/s) Task Group I (Enhanced Security Mechanisms) 802.11 Radio Regulatory Ad-Hoc Group Joint 11/15 Lead Co-ordination Ad-Hoc Joint 802.11 / 802.15 Co-existence Ad-Hoc Group IEEE 802 Tutorials 1, 2, 3 and 4	TGD TGF TGH 5GSG WG CHAIRs MTG PC 802 COEX	Task Group D (Regulatory Domain Update) Task Group F (Inter-Access Point Protocol) Task Group H (Spectrum Managed 802.11a) IEEE / ETSI / MMAC 5 GHz Globalization Study Group All 802.11 Chair's Ad-Hoc (Advisory Group) Joint 802.11 / 802.15 Publicity Committee 802 Wireless Coexistence Study Group (Joint Attendance of .11 / .15 / .16 Members)
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This graphic assumes that the TGE PAR (MAC Enhancements) will be confirmed by the SEC, and RevCom to split into two PARs - i.e. TGE (for QoS Only), and TGI (for Security)

68th IEEE 802.11 WLAN MEETING

Portland Marriott Downtown, 1401 Southwest Naito Parkway, Portland, OR 97201, USA.
July 8th-13th, 2001

Reservation Phone: (503) 226-7600 Toll Free: (800) 228-9290 Reservation Fax: (503) 499-6357

OBJECTIVES FOR THIS MEETING:

TASK GROUP B-COR1- CORRIGENDUM MIB (CARL A.)

- Analyze results of 2nd IEEE sponsor recirculation ballot and submit to RevCom

TASK GROUP E - MAC ENHANCEMENTS - QOS (JOHN F./ DUNCAN K.)

- Comment resolution of Letter Ballot #27 and circulation of new ballot

TASK GROUP F - IAPP (DAVE B.)

- Group to read all comments & proposed responses before July meeting
- Finalize / Adopt Letter Ballot #26 comment resolutions
- Decide regarding 802.11e, 802.11i schedule dependencies
- Create & adopt revised draft reflecting comment resolutions
- Start new LB for revised draft

TASK GROUP G - 802.11B DATA RATES >20 MBIT/S (MATTHEW S.)

- Conduct fair debate on the interpretation of Selection Procedure (00/209r3) Step 19
- Complete the Selection Procedure
- Enable the first draft of 802.11g by reaching a consensus of at least 75%
- Select an official Task Group G editor

TASK GROUP H - SPECTRUM MANAGED 802.11A (MIKA K.)

- Continue with the Selection Process (01/093r1) starting from step 14
- Execute steps 14 through 20 of the Selection Process
- Prepare draft normative text and submit it to the WG for letter ballot
- Discuss regulatory requirements and status

TASK GROUP I - ENHANCED SECURITY MECHANISMS (DAVID H.)

- Comment resolution of Draft 1 on Letter Ballot #25
- Create requirements document

5 GHZ GLOBALIZATION STUDY GROUP (BRUCE K./ JAMSHID K.)

- Review presentations and comments from June IAG meetings
- Review output of June ETSI BRAN#24
- Review future meeting dates and critical milestones
- Review Leadership team
- Review TGj PAR & 5 criteria prior to Excom presentation
- Review impact of HCF on Interworking proposals
- Establish Decision process for a new "IEEE 802.11 Task Group J" & the ETSI BRAN 5GHz Alignment Rapporteur Group
- Create or Extend study group to allow pursuit of harmonized 5GHz standards
- Refine draft of 5WING Operating Procedure, Terms and Definitions, Relationship diagram & schedules
- Prepare for September IEEE and ETSI meetings

RADIO REGULATORY AD-HOC (VIC H.)

- Establish Regulatory Group as Permanent Group with a Charter
- Work on PAR rules amendment
- Submit Comment on FNPRM 99-231
- To prepare and submit other position statements if needed
e.g. Spectrum requirement 5 GHz band

PUBLICITY ADHOC (AL P.)

- Continue work on General Publicity Presentation for WG Web Site
- Report from IEEE staff on WLAN market forecast
- Update Conference Calendar
- Continue to Work on Joint 802.11 / 802.15 Publicity Activities
- WECA update
- OFDM Forum update

WG CHAIRS ADHOC (STUART K./ AL P./ HARRY W.)

- Update 802.11 Operating Rules
- Update timeline chart for all 802.11 WG PARs
- IEEE 802.11 / ETSI BRAN and MMAC study groups administrative issues & co-ordination, including 5WING approach

OTHER WG ADHOC'S & ISSUES (ALL)

- 802.3 EFM (Ethernet in the First Mile) PAR and 5 Criteria

•11:41 Regulatory Ombudsman

Hayes

see file 11-01-396r0-R-Opening-Report-of-Radio-Regulations-to-Plenary-Working-Groups.ppt

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Opening report Radio
Regulations to Radio Working
Groups
July 2001 meeting

Regulatory 802.11 ad-hoc Chairman
(Vic Hayes)

<http://ieee802.org/Regulations/>

May meeting activities

- Reviewed additional requirements for Wireless PARs
- Continued to work IEEE 802 level for Regulatory work
- Set-up a schedule for preparing Comments on the Further NPRM 99-231 for changing the rules for Spread Spectrum

Additional requirements for Wireless PARs

- Current thought, to be worked on this week:
 - To place “6th Criterion” as bullet item in 4th Criterion with a footnote for the details
- doc.: 11-01/332 Current Thoughts

802 level Regulatory work

- Currently regulatory work is done in and “ad-hoc” group within 802.11 with liaisons from 802.15 and 802.16
- To come to a group with a charter, and to balance the level between the wireless groups, an 802 level group is required
- Current thought is for a TAG
- doc.: 11-01/291 Presentation RR TAG

Functions of RR TAG

- to produce draft position statements for the Working Groups responsible for producing standards for Radio devices (RWGs)
- maintain the contacts and know the processes for interaction with radio regulatory and spectrum management bodies
- to act as the only channel between RWGs and Regulatory agencies and spectrum management bodies
- to coordinate spectrum sharing issues between 802 devices and other devices

Required rules changes

- Based on the rules of a TAG (5.2) with the following exception:
 - Existing rule point e
 - *Any report generated by a TAG that is forwarded to any Working Group in the name of the TAG, needs to get a 75% approval vote of the TAG members present who vote “Approve” and “Do Not Approve”.*
 - Modified rule point e
 - The actions of the TAG are taken based on majority votes of the Members of each Radio related Working Group and the tallies shall be reported
- All Communications related to Radio regulations and Spectrum Management shall go through the RR TAG

Further NPRM 99-231

- 2 Tele-conferences held
- A draft and a submission are available
 - doc.: 11-01/391 Draft for Comments
 - doc.: 11-01/395 Proposal concerning...
- 2 further submissions expected

Improved sharing capability

- Earlier adoption of adaptive hopping and method therefore
- adaptive hopping and related compliance test should become mandatory
- remove requirement for a hop sequence review at 30 s intervals

Improved sharing capability (2)

- Instead of reducing the number of hops to be less than 15,
- gliding scale for the number of required hops between 1 (according to the rules in Part 15.249) and a number related to the rules in Part 15.247

New digital transmission technologies

- Support, but has concern about the proposed rules
 - peak transmit power is 1 W
 - peak power spectrum density of 33 dBm/MHz
 - makes hopping redundant
- Group proposal
 - peak transmit power is 100 mW
 - peak power spectrum density of 10 mW/MHz

New digital transmission technologies

- Additional proposals
 - smaller aperture antennas
 - alternative text for FWA taking mobile applications into consideration

Items to be added

- alignment with U-NII rules in 915 and 2400 MHz bands, para 18
- Elimination of unnecessary regulations
 - removal of processing gain

Objectives for Portland meeting

- Establish Regulatory Group as Permanent Group with a Charter
- Work on PAR rules amendment
- Submit Comment on FNPRM 99-231
- To prepare and submit other position statements if needed
 - e.g. Spectrum requirement 5 GHz band

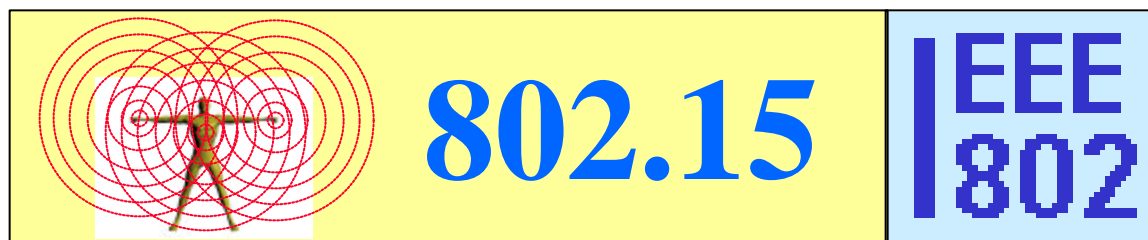
Meeting schedule this week

- Monday 3:30 PM - 5:30 PM (Portland)
 - Tuesday 10:30 AM - 3 PM
- Tuesday 3:30 PM - 5:30 PM
 - Wednesday 8 AM - 12 noon (MCC)
 - Thursday 8 AM - 10 AM (MCC)
- Thursday 1 - 3 PM

•11:44 802.15 WPAN (Wireless Personal Area Network) Heile

see file 01342r0P802-15_WG-Report-to-the-802-Plenary-July01.ppt

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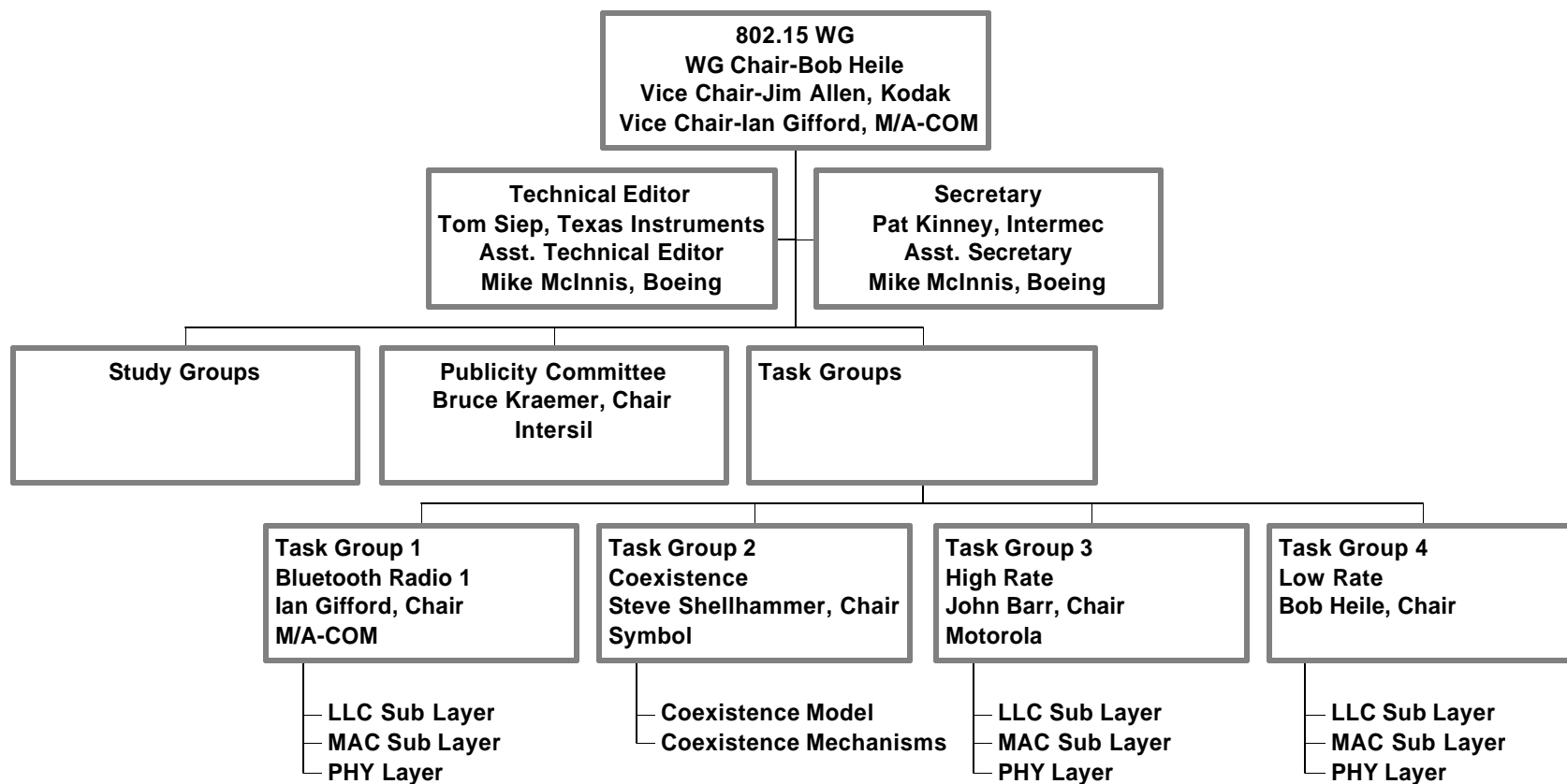


13th Session of meetings of the IEEE 802.15 Working Group for Wireless Personal Area Networks

July 9-13, 2001

**Marriott Downtown
Portland, OR**

802.15 Functional Organization Chart



Archive, Mailing List, URLs

- Web Page: <http://www.ieee802.org/15/>
- General Mailing List: stds-802-wpan@ieee.org
- Voter/Nearly List: stds-802-15@ieee.org
- TG1 list: stds-802-15-1@ieee.org
- TG2 list: stds-802-15-2@ieee.org
- TG3 list: stds-802-15-3@ieee.org
- TG4 list: stds-802-15-4@ieee.org
- Lists restricted to those on the list to reduce SPAM. To send to the list you must use the exact email address on the list as the 'from' address. Alias addresses such as ieee.org will not work.

To add your name to IEEE mailing list please send an e-mail to michael.d.mcinnis@boeing.com

Objectives of the Portland Meeting July 9-13, 2001

TASK GROUP 1 OBJECTIVES FOR THIS MEETING:

-
- 1. PROVIDE PROJECT PLANNING UPDATE -
00/375rx**
 - 2. PREPARE FOR SPONSOR BALLOT**
 - 3. PROVIDE SESSION #14/BELLEVUE OBJECTIVES**

Objectives of the Portland Meeting

July 9-13, 2001

TASK GROUP 2 OBJECTIVES FOR THE MEETING

- 1. BLUETOOTH SIG COEXISTENCE WORKING GROUP LIAISON REPORT**
- 2. REVIEW CLAUSES OF THE RECOMMENDED PRACTICE**
- 3. VOTE TO ACCEPT CLAUSES OF RECOMMENDED PRACTICE**

Objectives of the Portland Meeting July 9-13, 2001

TASK GROUP 3 OBJECTIVES FOR THIS MEETING:

- 1. CONFERENCE CALL STATUS, INCLUDING APPROVAL OF ANY AD HOC BUSINESS**
- 2. RESOLVE COMMENTS AND UPDATE DRAFT VER 0.6**
- 3. COMPLETE DRAFT STANDARD (MAY BE COMPLETED AFTER THE MEETING)**
- 3. SOLICIT SPONSOR BALLOTERS**
- 4. AUTHORIZE LETTER BALLOT**
- 5. PREPARE FOR POST-AUSTRALIA MEETING SPONSOR BALLOT**
- 6. PREPARE OBJECTIVES FOR SEPTEMBER MEETING**

Objectives of the Portland Meeting

July 9-13, 2001

TASK GROUP 4 OBJECTIVES FOR THIS MEETING:

-
- 1. PRESENT REMAINING CFPs**
 - 2. SELECT BASELINE MAC AND PHY**
 - 3. REVIEW PROGRESS ON LOW RATE ARTICLE**
 - 4. ROUND OUT EDITING TEAM**
 - 5. DISCUSS ACTIONS FOR FOLLOW-ON PHYS**
 - 6. ZIGBEE RELATIONSHIP**

Objectives of the Portland Meeting

July 9-13, 2001

802.15 PC/802.11PC OBJECTIVES FOR THIS MEETING:

1. Complete work on General Publicity Presentation for WG Web Site
2. Finalize WLAN Forecast Documentation
3. Update Conference Calendar
4. Continue to Work on Joint 802.11 / 802.15 Publicity Activities
5. WECA update
6. OFDM Forum update

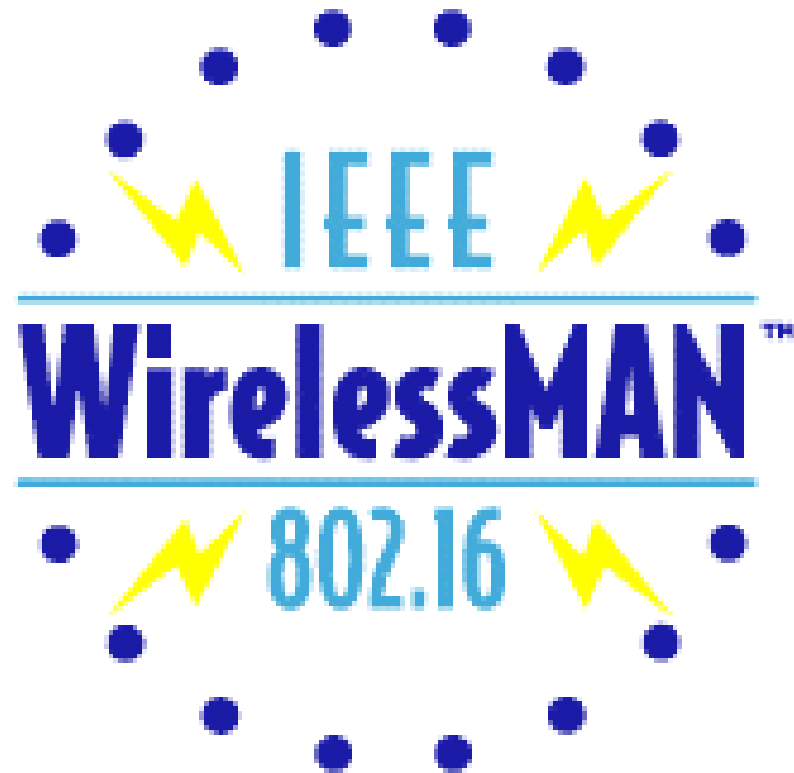
•11:48 802.16 BWA (Broadband Wireless Access)

Marks

see file dot16openingplenary.ppt

5

IEEE 802.16
Working Group on
Broadband Wireless Access
(BWA)



IEEE 802.16
Working Group on
Broadband Wireless Access
(BWA)

Session #14
802 Opening Plenary
9 July 2001
11-12 am

802.16 Participants

- **137 Members**
- **98 Potential Members**
- **70 Observers**

- **Chair: Roger Marks**
- **Vice Chair: Brian Kiernan**
- **Secretary: Carl Bushue**

IEEE 802.16.2

- **Task Group 2: Coexistence (10-66 GHz)**
 - Phil Whitehead, Chair
 - Approved by IEEE on July 6 as IEEE Recommended Practice 802.16.2
- Study Group 2a has prepared a PAR on the SEC agenda for Friday
 - Enhance recommendation on coexistence with point-to-point systems
 - Add coverage of 2-11 licensed bands

Base IEEE 802.16 Air Interface

- **Task Group 1 (802.16)**
 - Roger Marks, Chair and Editor
 - MAC:
 - flexible
 - protocol-agnostic
 - point-to-multipoint
 - PHY: 10-66 GHz
 - Resolving WG Letter Ballot comments
 - Will seek conditional approval for Sponsor Ballot this Friday

IEEE 802.16a/802.16b

Air Interface Amendments

- **New Physical Layers for 2-11 GHz**
- **MAC Enhancements**

- **Task Group 3 (802.16a): licensed**
 - Brian Kiernan, Chair
- **Task Group 4 (802.16b): license-free**
 - Durga Satapathy, Chair

- Resolving comments this week following Task Group Review; WG Letter Ballot in September

Hotel Information

- **Portland Marriott City Center**
- **Transportation**
 - 1.4 km (0.9 miles)
 - 15 minute walk
 - 18-passenger shuttle bus, 7 am- 6 pm
- **Hosting three editing session of the 802.11 Regulatory ad hoc**

IEEE 802.16 Web Site

<http://WirelessMAN.org>

•11:53 802.17 RPR (Resilient Packet Ring)

Takefman

see file mlt_802plenary_01.ppt

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IEEE 802.17 Resilient Packet Ring

Michael Takefman, Chair

<http://www.ieee802.org/17>
stds-802-17@ieee.org



Officers of RPRWG



- Chair Mike Takefman
- Vice-Chair Bob Love
- Secretary B.J. Lee
 - Asst Secretary Mannix O'Connor
- Web-Masters Ed Messina, John Hawkins

- Performance Committee Chair Khaled Amer



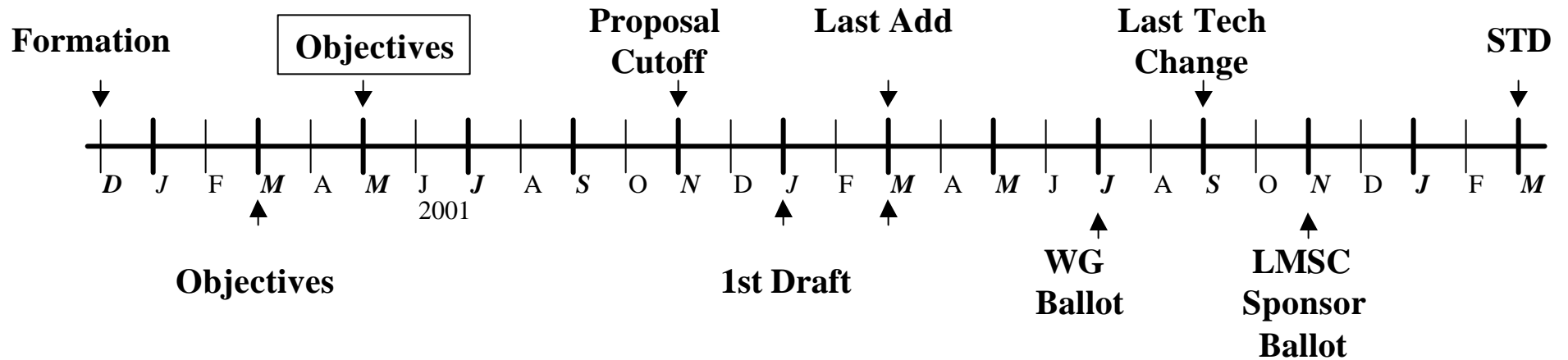
RPRWG



- New 802 Project approved by IEEE Standards Board on Dec. 7, 2000 as IEEE 802.17 Resilient Packet Ring Working Group
- The Resilient Packet Ring Working Group will define a Resilient Packet Ring Access Protocol for use in Local, Metropolitan and Wide Area Networks for transfer of data packets at rates scalable to many gigabits per second.
- The project will use existing Physical Layer specifications and may develop new PHYs where appropriate.



802.17 Timeline





Interim Meeting

- September 9-12, San Jose, CA
 - 90% probability – will close by end of week
 - Sponsored by Lantern Communications
 - and possibly others
 - Marriott on Great America Pkwy

•11:56 Wireless Coexistence SEC SG

Lansford

see file xxxr0P802-15_SEC_Coex_SG_update.ppt

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IEEE 802 Wireless Coexistence Study Group

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Secretary/Editor: Tim Blaney

Update of Activities

- 2 conference calls held
- Good feedback
 - TAG proposal supported
 - Membership and voting rules uncertain
 - Formal mission statement needed
- Goals for the week
 - Resolve outstanding issues
 - Determine if rules change will be needed
 - Present to ExCom on Friday
 - Meetings scheduled for this week:
 - Tuesday 8-10AM (Columbia)
 - Thursday 6:30-9:30PM (Salon A)
- Extension of SG will be needed to resolve outstanding issues
 - Plan: Close on a proposal and ask for TAG formation at Nov plenary

Discussion Points

- Adopt mission statement
 - Is this really a TAG or something else? (Rule change?)
 - This group produces only position statements and recommendations, not recommended practice
- Decide on membership (review proposals)
 - Any 11/15/16 voter, OR
 - Adhere to existing WG rules, OR
 - Appointed delegates from 11/15/16
- Decide on engagement
 - 802 Chair, AND
 - Any 11/15/16 chair?
- Ratification of recommendations
 - Internal vote of TAG, AND/OR
 - By 11/15/16 WG

•11:58 Tutorials, Meeting Arrangements

Rigsbee

•12:00 ADJOURN

5 The meeting was adjourned at 12:07pm.

Respectfully Submitted,
Bob O'Hara
Recording Secretary

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