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

Thursday, November 9th, 2000 – 7:00 pm

Hyatt Regency, Tampa, FL

1. MEETING CALLED TO ORDER

5   Jim Carlo called the meeting to order at 7:00 pm. 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
Howard Frazier	- 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
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 RPRSG – Resilient Packet Ring Study Group
Vic Hayes	- Regulatory Ombudsman

20

The meeting was attended by approximately 10 IEEE 802 Working Group members and several guests including Denise Scozzafava and Susan Tatiner.

2. APPROVE OR MODIFY AGENDA

Motion to approve agenda

25   **Nikolich/Hayes**

10/0/0 Approved at 7:05 pm

AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING
Thursday, November 9 , 2000 - 7:00 pm
Hyatt Regency Tampa, FL

1.00		**MEETING CALLED TO ORDER**	**- CARLO**	**1**	**07:00 PM**
2.00		**APPROVE OR MODIFY AGENDA**	**- CARLO**	**4**	**07:01 PM**
3.00	*	**APPROVE / MODIFY MINUTES OF PREVIOUS MEETING**	**- CARLO**	**5**	**07:05 PM**
4.00		**TREASURER'S REPORT & ATTENDANCE PROJECTIONS**	**- GROW**	**10**	**07:10 PM**
	Category (* = consent agenda)				
5.00	**ME**	**802.1t Corrections to 802.1D to RevCom**	**- JEFFREE**	**5**	**07:20 PM**
5.01	**ME**	**802.1u Corrections to 802.1Q to RevCom**	**- JEFFREE**	**5**	**07:25 PM**
5.02	**ME**	**802.1v VLAN classification to RevCom**	**- JEFFREE**	**5**	**07:30 PM**
5.03	**ME**	**802 Position Statement to FCC**	**- HAYES**	**15**	**07:35 PM**
5.04	**ME**	**802.11h Spectrum Managed 802.11a to NesCom**	**- KERRY**	**10**	**07:50 PM**
5.05	**ME**	**802.15 WPAN Low Rate PAR to NesCom**	**- HEILE**	**10**	**08:00 PM**
5.06	**ME**	**802.16 WirelessHUMAN PAR to NesCom**	**- MARKS**	**10**	**08:10 PM**

5.07	ME	802.16 Liaison Letters	- MARKS	10	08:20 PM
5.08	ME	802.16 Press Release	- MARKS	10	08:30 PM
5.09	ME	802.17 RPR PAR to NesCom and WG Formation	- TAKEFMAN	15	08:40 PM
5.10	ME	Standards for Free Proposal	- FRAZIER	15	08:55 PM
5.11	ME	802.3 EFM Study Group Formation Press Release	- THOMPSON	10	09:10 PM
5.12	ME	1802.3 Conditional App to RevCom	- THOMPSON	5	09:20 PM
5.13	ME	802.3ag to LMSC Ballot	- THOMPSON	5	09:25 PM
5.14		BREAK	-	15	09:30 PM
5.15	MI	802.1w Rapid Reconfiguration to LMSC Ballot	- JEFFREE	5	09:45 PM
5.16	MI	802.1x Port Based Network Access to LMSC Ballot	- JEFFREE	5	09:50 PM
5.17	MI	802.16 Vice Chair confirmation	- MARKS	5	09:55 PM
5.18	MI	Rules approval update	- NIKOLICH	15	10:00 PM
5.19	MI	New Rules Change Proposal Regarding "membership"	- NIKOLICH	5	10:15 PM
5.20	MI	Access Database update	- FRAZIER	10	10:20 PM
5.21	MI	Networking update/proposal	- NIKOLICH	10	10:30 PM
5.22	MI	Interim Meeting Survey Result	- RIGSBEE	10	10:40 PM
5.23	MI	Paperless Tutorials	- HEILE	10	10:50 PM
5.24	DT	5 GHz WPAN High Rate SG	- HEILE	5	11:00 PM
5.25	DT	Response from 802 on Ballot Survey	- CARLO	10	11:05 PM
5.26	DT		-	0	11:15 PM
5.27	II	OID arc - Report as to Planned Actions	- JEFFREE	5	11:15 PM
5.28	II	802.5v Gigabit TR Status and Plans	- LOVE	5	11:20 PM
5.29	II	Meet with FCC at Future Plenaries	- HAYES	10	11:25 PM
5.30	II	802.16 PAR revisions	- MARKS	10	11:35 PM
5.31	II	Use of the Word "Marketing" in 802 Activities	- CARLO	10	11:45 PM
5.32	II	Future Meeting Venues	- RIGSBEE	10	11:55 PM
5.13a	II	802.3 Liaisons	- THOMPSON	10	12:05 PM

ADJOURN — 12:05 PM

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

3.00 Approve minutes of previous meeting

Approved at 7:05 as part of consent agenda

4.00 Treasurer's Report – Grow

5 **(see file thutreasrep.pdf)**

Record attendance, record income, and record expenses at the last meeting.

Net change in operating reserve of plus $41,059. Expect ~950 headcount. Kudos to Buzz for negotiating free social from hotel. It probably saved us $50K.

IEEE Project 802
Estimated Statement of Operations
November 2000 Meeting

open	**25 October Operating Reserve**		**52,896**		**

November 2000 Meeting Income:				*Actual*	*Budget*
342 Registrations@	$300	102,600			
578 Registrations@	$250	144,500			
0 Registrations@	$100	0			
Subtotal				247,100	182,000
Deadbeat Registrations				600	0
Bank Interest				400	200
Other				675	400

plus	**TOTAL Income**		**248,775**	182,600	

November 2000 Meeting Expenses:	*Estimate*	*Budget*	
Audio Visual Rentals	8,500	5,000	
Bank Charges	25	25	
Copying	7,000	9,100	*
Credit Card Discounts	7,191	5,096	*
IEEE 802 Free Standards Escrow	69,000	52,500	
Meeting Administration	40,000	44,300	*
Phone & Electrical	1,000	1,500	
Refreshments	40,000	26,600	
Shipping	3,500	3,500	
Social	0	21,000	
Supplies	500	100	
Other	2,000	1,500	

minus	**TOTAL Meeting Expense**		**178,716**	170,221
minus	**Equipment Expense**		**29,000**	5,000
equals	**November 2000 Operating Reserve**		**93,956**	
	Total Free Standards Escrow		**132,825**	
	Net Change in Operating Reserve		**41,059**	12,379

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

** Net of copier costs not invoiced from July meeting

5.00 802.1t to RevCom – Jeffree

SEC conditionally approves forwarding P820.t to the Standards Board for approval, pending successful completion of sponsor recirculation ballot. The 802.1t WG plenary voted 10-0-0 in favour of this action. The sponsor recirculation ballot closed on 3rd
5   November-2000 the results of the ballot were Approve 43 Disapprove 1, Abstain 0

M: Jeffree

S: Love

Approve 10/0/0

5.01 802.1u to RevCom – Jeffree

10   SEC conditionally approves forwarding P820.1u to the Standards Board for approval, pending successful completion of sponsor recirculation ballot. The 802.1 WG plenary voted 10-0-0 in favour of this action. The sponsor recirculation ballot closed on 3rd
November-2000 the results of the ballot were Approve 49 Disapprove 1, Abstain 0

M: Jeffree

S: Love

15   Approve 10/0/0

5.02 802.1v to RevCom – Jeffree

SEC conditionally approves forwarding P820.1v to the Standards Board for approval, pending successful completion of sponsor recirculation ballot. The 802.1 WG plenary voted 10-0-0 in favour of this action. The sponsor recirculation ballot closed on 3rd
20   November-2000 the results of the ballot were Approve 49 Disapprove 1, Abstain 0

M: Jeffree

S: Love

Approve 10/0/0

25

5.03 802 Position Statement to FCC – Hayes

Hayes presents draft of position statement from 802 to the FCC. The position statement was accepted 53-0-6 by 802.11, 23-0-7 by 802.15, 35-0-2 by 802.16.

SEC Motion: To adopt the position statement adopted b y 802.11, 802.15 and 802.16 as an 802 position statement.

5   **M: Hayes**

S: Kerry

Approved 7/0/3

5.04 802.11h Spectrum Managed 802.11a to NesCom - Kerry

SEC Motion:

10   **To Submit the PAR for Spectrum Managed 802.11a for 5 GHz band (802.11h) in Document#00/3018r3w to December 2000 NesCom.**

M: Kerry

S: Hayes

Approved 11/0/0

15   **5.05 802.15 WPAN Low Rate PAR to NesCom – Heile**

SEC Motion: Forward the 802.15.4 Low Rate PAR, Document 00/248r4, to the December meeting of NesCom for approval.

WG vote was 36-1-1

M: Heile

20   **S: Kerry**

Approved 10/0/0

5.06 802.16 WirelessHUMAN PAR to NesCom - Marks

SEC Motion: Forward the WirelessHUMAN PAR to NesCom, proposed number 802.16.1b

M: Marks

25   **S: Hayes**

Approved 10/0/0

5.07 802.16 Liaison Letters – Marks

Marks presents liaison letter from 802.16 to the Radio Advisory Board of Canada. Was unanimously approved by 802.16, ~ 50 people.

30   **Motion to accept as 802.16 liaison letter**

M: Marks

S: Hayes

Approved 9/0/1

Marks presents liaison letter from 802.16 to the Wireless Communications Association. Was unanimously approved by 802.16, ~ 50 people.

5   **Motion to accept as 802.16 liaison letter.**

M: Marks

S: Hayes

Approved 10/0/0

Marks presents liaison letter from 802.16 to the Industrie Canada. Was unanimously approved by 802.16, ~ 50 people.

10 **Motion to accept as 802.16 liaison letter.**

M: Marks

S: Hayes

Approved 10/0/0

Marks presents liaison letter from 802.16 to ETSI TM4, requesting a copyright extract. Material consists of two figures and some
15 text. Was unanimously approved by 802.16, ~ 50 people.

Hayes asks that Claudio Stanziola, IP manager at IEEE be copied on this letter.

Kerry asks that Jamshid Khun-Jush, chair of ETSI BRAN be copied on this letter.

Motion to accept as 802.16 liaison letter.

M: Marks

20 **S: Hayes**

Approved 10/0/0

5.08 802.16 Press Release – Marks

(see file dot16pr.pdf – missing file)

Marks reads press release draft, which announces that 802.16 has made key decisions on F BWA.

25 Was accepted by 802.16 on unanimous voice vote.

Motion to accept in principle:

M: Marks

S: Hayes

Grow suggests removing "20" from "reviewed 20 proposals". Says this indicates confusion.

30 Grow suggests removing "the review document had been downloaded over 20,000 times".

Grow and others express concern that the 20,000 down loads are in violation of IEEE copyright.

Marks says that the document does not bear IEEE copyright. Susan Tatiner says that it should. It's a draft.

Approved 8/0/2

5.09 802.17 RPR PAR to NesCom and WG Formation – Takefman

5   (see file dot17sec.pdf)

Takefman recaps work of the SG this past week. Presents PAR and 5 Criteria.

SG votes were unanimous on PAR and 5 Criteria.

Presents SEC motion:

Approve PAR and 5 Criteria produced by the RPRSG

10   **Confirm placement of the PAR on the December, 2000 NesCom agenda**

Create the 802.17 Resilient Packet Ring Working Group

M: Frazier

S: Love

Approved 11/0/0

15   Note that Mike Takefman was selected by his SG to chair the WG.

Nikolich and Marks review the rules, and note that the SEC has the responsibility to appoint Takefman as chair.

SEC Motion: appoint Takefman as chair of RPR WG.

Love/Marks

Approved 11/0/0.

20   Note that this implies that Takefman will be eligible for SEC voting rights at the Thursday evening SEC meeting in March, 2001.

RPRSG Status Report
Nov 9, 2000 SEC Meeting

Mike Takefman

Chair of RPRSG

tak@cisco.com

http://www.ieee802.org/rprsg
stds-802-rprsg@majordomo.ieee.org

Activities

- 36 attendees (75%), 58 signed attendance, 39 organizations
- 6 technical presentations
- meeting with 802.3 to discuss the PAR/5C
- meeting with 802.3 (ad-hoc) to discuss concerns with PAR/5C
- meeting with 802.1 to discuss the PAR/5C and to validate some conclusions of RPRSG
- meeting with 802.3 to respond to ad-hoc

Motions on PAR/5Criteria

- Reaffirm PAR   Y:31 N:0 A:1
- Reaffirm C1   Y:27 N:0 A:1
- Reaffirm C2   Y:28 N:0 A:1
- Reaffirm C3   Y:30 N:0 A:1
- Reaffirm C4   Y:30 N:0 A:1
- Approve C5   Y:28 N:0 A:1
- Elect M. Takefman Chair   Y:30 N:0 A:2
- Accept Proposed Charter   Y:19 N:0 A:0

Next Meeting

- ## January 16/17, 2001 in Bay Area
  - subject to meeting room availability

Item 5.09 Motion

- Approve the PAR and 5 Criteria produced by the RPRSG

- Confirm placement of the PAR on the December, 2000 NESCOM agenda

- Create a new working group to be known as 802.17 Resilient Packet Rings

- M: Frazier   S: Love
  Y   N   A

Press Release Pending

- 802.17 plans to create a press release and forward it to the SEC for approval

5.10 Standards for Free – Frazier

motion to amend to change proposal from "6 months after approval" to "immediately after approval".

M: Rigsbee S: Nikolich

Amendment Fails 4/6/1

5   **Motion (see file stdsforfree.pdf)**

M: Frazier

S: Nikolich

10/1/0 Passes

Making IEEE 802 Standards Freely Available

Revised Program Proposal   **8-November-2000**

I. IEEE makes PDF files of 802 standards available via web and ftp free of charge to all commencing 6 months from standards board approval (or publication date when standards board approval does not apply) of each standard.

II. Effective July, 2000, 802 collects a fee of $75 per paid registrant to support this program, and sends a yearly contribution to the IEEE standards office to mitigate the revenue loss to the IEEE from sale of standards. Note that this fee is included in the current meeting registration fee.

III. IEEE will initiate this program on January 1st, 2001.

IV. IEEE distribution of paper or CD copies of 802 standards is not affected by this program.

V. "Available via web and ftp free of charge" does not convey reprint, resale or redistribution rights.

5.11 802.3 EFM Study Group Formation Press Release – Thompson

Thompson announces formation of EFM study group

SEC MOTION:

Approve formation of EFM SG within 802.3

M: Thompson

S: Frazier

Approved 11/0/0

Approve in principle EFM Press Release

M: Thompson

S: Frazier

Approved 11/0/0

Note that Howard Frazier will be the chairman of the EFM Study Group

(see file elm_pr_rev6.pdf)

Draft 6

FOR IMMEDIATE RELEASE

Contact:
Howard Frazier
IEEE 802.3 EFM SG Chair
408 437 9552
millardo@dominetsystems.com

Markus Plessel
Standards Mktg. Admin
732 562 3989
m.plessel@ieee.org

IEEE 802.3 Working Group Approves New Study Group for Ethernet in the First Mile

PISCATAWAY, NJ – November 14, 2000 – The Institute of Electrical and Electronics Engineers, Inc.(IEEE) 802 LAN/MAN Standards Committee (LMSC) today announced it has approved a new study group to investigate the subject of "Ethernet in the First Mile." The new study group has been chartered to develop a project proposal for a standard that will apply the proven and widely used Ethernet networking protocol to the customer initial access market.

The EFM study group was formed within the IEEE 802.3 CSMA/CD Working Group on November 9th, following a "Call for Interest" meeting held on November 7th that was attended by over 300 individuals. At the meeting, over 87 individuals representing 69 different companies said that they plan to participate in an EFM study group within IEEE 802.3.

The IEEE 802.3 Working Group chose the designation "Ethernet in the First Mile" for the project to emphasize the fact that they intend to put their customers needs first. The term "First Mile" refers to the all-important first link between a customer and their internet service provider.

Mike Bennett, from Yipes Communications, a Metropolitan Area service provider, proclaimed his support at the Call for Interest meeting, saying "The time is right – Let's put Ethernet in the First Mile and put an end to all those unnecessary protocol translations!"

During the call for interest meeting, speakers presented their views on the need for a new standard that will address the demands of the broadband access market. This market is currently served by a variety of technologies and protocols, all of which are found to be lacking due to bandwidth constraints, availability, ease of use, or high cost.

Steve Carlson, representing the Entertainment Services and Technology Association, also participated in the call for interest meeting, and offered a user's perspective on the need for a standard in this area, stating, "Almost all of our applications are in the 'First Mile'."

Representatives from 3Com (COMS), Alloptic, Aura Networks, CDT/Mohawk (CDT), Cisco Systems (CSCO), DomiNet Systems, Intel (INTC), WorldCom (WCOM), and World Wide Packets all voiced support for the formation of the study group in presentations given at the call for interest meeting.

The initial meeting of the Ethernet in the First Mile Study Group will be held during the week of January 8th, 2001 in Irvine, CA. The meeting announcement, including schedule and venue information, will be available at http://www.ieee802.org/3/interims. The Study Group will begin work on a project authorization request (PAR) and supporting documentation. The EFM Study Group will also create a set of specific objectives for the project that will be used to guide the standards development work.

Howard Frazier, the chairman of the EFM Study Group, said that he expects the group to present a PAR to the IEEE 802.3 Working Group, the IEEE 802 LMSC Executive Committee, and the IEEE-SA Standards Board in the first half of 2001

The IEEE 802.3 Working Group is responsible for the development of Ethernet standards, such as 10BASE-T, Fast Ethernet, Gigabit Ethernet, and 10 Gigabit Ethernet. The IEEE

802 LMSC is sponsored by the IEEE Computer Society and develops IEEE Networking Standards that are recognized worldwide. For more information on the IEEE 802.3 Working Group, visit: http://www.ieee802.org/3/index.html.

The IEEE Standards Association (IEEE-SA) is an international membership organization serving today's industries with a complete portfolio of standards programs. The IEEE-SA is a major contributor to the IEEE, which is the world's largest technical professional society. IEEE-SA membership, through its IEEE association, promotes the engineering process by creating, developing, integrating, sharing and applying knowledge about electro- and information technologies and sciences for the benefit of humanity and the profession. More information is found at http://standards.ieee.org/sa-mem/index.html.

<div align="center">###</div>

5.12 1802.3 to RevCom –Thompson

Conditionally Approve forwarding 1802.3 to RevCom, for consideration at March, 2001 meeting.

Thompson/Grow

9/0/0 Approved

5 **5.13 802.3ag maintenance to LMSC ballot – Thompson**

Conditionally approve sending 802.3agRev maintenance #6 to LMSC Sponsor ballot upon successful completion of WG re-circulation ballot.

WG vote was 104/0/1

Thompson/Grow

10 **Approved 9/0/0**

5.13a 802.3 Liaisons – Thompson

Need to send letter to ETSI.

SEC Motion: That the SEC approce the following liaison items from 802.3

15 - **letter to ETSI informing them about P802.3af**

  - **letter to TR-42 regarding cable discharge technical issue**

  - **letter to ITU SG 7 regarding LAPS**

  (final of each to be reviewed by SEC chair)

M: Thompson

20 **S: Grow**

Approved 11/0/0

SEC Motion: Approve the following liaison items:

  - **Establish liaison relationship for review of our P802.3ae drafts with the following organizations:**

    o **Fibre Channel in response to their written request (they expect to reference our PHYs)**

25   o **OIF in response to their anticipated written request**

    o **IETF Mgmnt WG area in response to their anticipated written request for updating SNMP MIBs**

M: Thompson

S: Grow

Approved 10/0/0

30 **5.14 Break**

5.15 802.1w Rapid Reconfiguration to LMSC Ballot – Jeffree

SEC Motion:

SEC conditionally approves forwarding P802.1w – rapid spanning tree – to LMSC sponsor ballot pending successful completion of WG recirculation ballot.

The 802.1 WG plenary voted 10-0-0 in favour of this action.

The WG ballot closed on 1st November 2000. The results at the close of ballot were:

Jeffree/Hayes

Approved 10/0/0

5.16 802.1x Port Based Network Access control to Sponsor Ballot – Jeffree

SEC conditionally approves forwarding 802.1x –port based access control - to LMSC sponsor ballot pending successful completion of WG recirculation ballot

Jeffree/Kerry

Approved 10/0/0

5.17 Vice Chair of 802.16 – Marks

To Confirm Brian Kiern as Vice Chair of 802.16.

Marks/Nikolich

Approved 10/0/0

5.18 Rules Approval Update – Nikolich

SEC Motion:

To approve the addition of the scope statement to the LMSC operating rules as presented in the 11/8 Nikolich rules memo.

M: Nikolich

S: Hayes

Approved 11/0/0

SEC Motion:

To approve the modification to Procedure 3 Procedure for Coordination with other standards bodies of the LMSC rules as presented in the 11/8 Nikolich rules memo.

M: Nikolich

S: Hayes

Approved 11/0/0

SEC Motion:

To approve the addition of Procedure 10 Procedure for Communication with Government Bodies of the LMSC rules as presented in the 11/8 Nikolich rules memo.

M: Nikolich

5 **S: Hayes**

Approved 11/0/0

5.19 New Rules Change Proposal s – Nikolich

(see file ruleschanges.pdf)

Rules change request from Roger Marks to change "Procedure for use of LMSC funds" explicitly allow LMSC funds to be used
10 for making standards freely available.

SEC Motion:

To approve to send to LMSC letter ballot modification of Procedure 1: Use of LMSC funds to the LMSC operating rules.

M: Marks

S: Jeffree

15 Rules change request from Bill Quackenbush regarding membership in LMSC rules. Nikolich presents proposed text from
Quackenbush.

SEC Motion:

To approve to send to LMSC letter ballot modification to LMSC rules regarding " 5.1.3 membership".

M: Nikolich

20 **S: Hayes**

Approved 11/0/0

Dear SEC,   Thursday November 9, 2000

Attached below are the ballot results from the July 2000 rules ballot.

In the subsequent pages I have included the original text and the text as
modified during our SEC meeting Wednesday morning (10am-12pm, Nov.
8th).

I will move to approve each of these changes during the SEC meeting
Thursday night

Regards,
--Paul Nikolich

July 2000 Rules Ballot Results
(pass requires 8 approves, no vote and abstains count as disapprove)

	Scope	Proc 3	Proc 10
1 Carlo	app	app	app
2 Nikolich	app	dis	dis
3 Frazier	app	app	app
4 Grow	app	app	app
5 Rigsbee	dis	dis	dis
6 Hayes	app	dis	dis
7 Jeffree	app	dis	dis
8 Thompson	dis	dnv	dis
9 Love	app	app	app
10 Kerry	dnv	dnv	dis
11 Heile	app	dis	dis
12 Marks	dis	dis	dis
result	app-8	app-4	app-4
	dis-3	dis-6	dis-8
	dnv-1	dnv-2	dnv-0
	PASS	FAIL	FAIL

Proposed change: Adding a scope statement

Original:

```
The scope statement:
"The scope of IEEE LMSC is to develop, maintain, enable and promote, on a
global basis, accredited networking standards and recommended practices"

To be added as a separate paragraph to the end of section 1 Overview.
```

As modified as a result of the 11/8 meeting:

```
The scope statement:
The scope of the IEEE Project 802 LAN MAN Standards Committee is to develop and
maintain networking standards and recommended practices,using an open and
accredited process, and to enable and advocate them on a global basis.

To be added as the FIRST paragraph at the beginning in section 1 Overview.
```

As it will appear in the Operating Rules:

5. OVERVIEW

The scope of the IEEE Project 802 LAN MAN Standards Committee is to develop and maintain networking standards and recommended practices, using an open and accredited process, and to enable and advocate them on a global basis.

Project 802 (P802) is a Standards Committee which reports to the Standards Activity Board (SAB) of the IEEE Computer Society. It operates under sponsorship of the IEEE Computer Society. In the event of any conflict between these rules and the IEEE Computer Society rules, the rules of the IEEE Computer Society shall take precedence.

The P802 Standards Committee is directed by a Sponsor Executive Committee which oversees the operation of a standards sponsoring organization (see **Error! Reference source not found.**). The P802 Sponsor Executive Committee serves as the Executive Committee for both the sponsor ballot groups as well as the Standards Development Groups. The standards sponsoring organization is designated as the LAN MAN Standards Committee (LMSC) and includes the Sponsor Executive Committee, a balloting pool for forming LMSC Sponsor balloting groups, and a set of Standards Development Groups.

The terms "local area network" (LAN) and "metropolitan area network" (MAN) encompass a number of data communications technologies and the applications of these technologies. There is no single technology that is applicable to all applications. Correspondingly, no single local or metropolitan area network standard is adequate for all applications. In recognition of these facts, the standards developing organization has been divided into Working Groups and Technical Advisory Groups to standardize a small number of the technologies applicable to local or metropolitan area networks (see **Error! Reference source not found.**).

11/9/2000 SEC Motion

Mover: Paul Nikolich
Second: Vic Hayes_____

Motion:

To approve the addition of the scope statement to the LMSC operating rules as presented in the 11/8 Nikolich rules memo.

Approve __11_____

Disapprove __0_____

Abstain __0_____

Original Text of Procedure 3:

`"Procedure 3 PROCEDURE FOR COORDINATION WITH OTHER STANDARDS BODIES`

`o IEEE 802 communications`
`        - All communications with standards bodies outside of LMSC shall be`
`approved by the Executive Committee prior to release.`
`        - All communications shall be sent under the signature of the LMSC Chair`
`as the position of  IEEE 802 and shall be copied to the SEC.`

`o Working group communications`
`        - All communications with standards bodies outside of LMSC that are not`
`"Information Only" shall be reviewed by the Executive Committee prior to`
`release.`
`        - All communications with standards bodies outside of LMSC that are`
`"Information Only" can go directly to the standards body.`
`        - All communications shall be sent under the signature of the Working`
`group Chair(s) as the position of the working group(s) and shall include the`
`LMSC Chair in the communication distribution list.`

`o Incoming liaison letters to Executive Committee members shall be sent, as a`
`minimum to the LMSC Chair.`

`o Informal communications are encouraged but should not imply that they are a`
`formal position of the IEEE 802 or of the working group"`

As modified as a result of the 11/8 meeting with change bars:

`"Procedure 3 PROCEDURE FOR COORDINATION WITH OTHER STANDARDS BODIES`

`o All communications shall comply with clause 5.1.4 (Position Statements on`
`standards to legislative bodies, government agencies, and international`
`organizations) of the [insert date as provide by JimC.] IEEE Standards`
`Association Standards Board Operations Manual.`

`o IEEE 802 communications`
`        - `~~`All c`~~`Communications `~~`with standards bodies outside of`~~` from the LMSC to`
`external standards bodies shall `~~`be approved by the`~~` not be released without`
`prior approval by the SEC`~~` prior to release`~~`.  Such approval indicates that the`
`communication represents the position of IEEE 802.`
`        - All communications by IEEE 802 with external standards bodies shall `~~`be`~~
~~`sent under`~~` be issued by the LMSC Chair and shall be copied to the SEC. `~~`as the`~~
~~`position of IEEE 802 and shall be copied to the SEC.`~~
~~`o Working group communications`~~

`o Working group communications`
`        - `~~`All`~~` Working Group communications with external standards bodies `~~`outside`~~
~~`of LMSC `~~`that are not "Information Only" shall be copied to `~~`reviewed by the`~~` the`
`SEC..`~~` prior to release.`~~
`        - `~~`All`~~` Working Group communications with external standards bodies shall`
`not imply that they represent the position of IEEE or IEEE 802.  They shall be`
`issued by the Working Group Chair and the LMSC Chair shall be included in the`
`distribution list. `~~` outside of LMSC that are "Information Only" can go directly`~~
~~`to the standards body.`~~
~~`        - All communications shall be sent under the signature of the Working`~~
~~`group Chair(s) as the position of the working group(s) and shall include the`~~
~~`LMSC Chair in the communication distribution list.`~~

`o SEC members receiving `~~`I`~~`incoming liaison letters`~~` to Executive Committee`~~
~~`members`~~` from external standards bodies shall forward a copy `~~`be sent, as a`~~
~~`minimum `~~`to the LMSC Chair.`

`o Informal communications`~~` are encouraged but`~~` should not imply that they are a`
`formal position of the IEEE 802 or of the working group"`

As modified as a result of the 11/8 meeting without change bars:

```
Procedure 3 PROCEDURE FOR COORDINATION WITH OTHER STANDARDS
BODIES

o All communications shall comply with clause 5.1.4
(Position Statements on standards to legislative bodies,
government agencies, and international organizations) of
the [insert date as provide by JimC.] IEEE Standards
Association Standards Board Operations Manual.

o IEEE 802 communications
     - Communications from the LMSC to external standards
bodies shall not be released without prior approval by the
SEC.  Such approval indicates that the communication
represents the position of IEEE 802.
     - All communications by IEEE 802 with external
standards bodies shall be issued by the LMSC Chair and
shall be copied to the SEC.

o Working group communications
     -  Working Group communications with external
standards bodies that are not "Information Only" shall be
copied to the SEC.
     - Working Group communications with external standards
bodies shall not imply that they represent the position of
IEEE or IEEE 802.  They shall be issued by the Working
Group Chair and the LMSC Chair shall be included in the
distribution list.

o SEC members receiving incoming liaison letters from
external standards bodies shall forward a copy to the LMSC
Chair.

o Informal communications shall not imply that they are a
formal position of IEEE 802 or of the working group.
```

11/9/2000 SEC Motion

Mover: **Paul Nikolich**
Second: **Vic Hayes___**

Motion:

To approve the modification of

"Procedure 3: PROCEDURE FOR COORDINATING WITH OTHER STANDARDS BODIES"

to the LMSC operating rules as presented in the 11/8 Nikolich rules memo.

Approve   __11_____

Disapprove ___0____

Abstain   ___0____

Proposed Change: Add Procedure 10

```
"Procedure 10 PROCEDURE FOR COMMUNICATION WITH GOVERNMENT BODIES


o IEEE 802 position statements
        - All communications with government bodies shall be approved by the
Executive Committee       prior to release.
        - All communications shall be sent under the signature of the LMSC Chair
as the position of  IEEE 802 (stated in the first paragraph) and shall be
copied to the SEC and the IEEE SA       Standards Board Secretary and shall be
posted on the IEEE 802 web site and reviewed after 5 years.
o Working group position statements
        - All communications with government bodies shall be approved by a
majority of the working    group and shall reviewed by the Executive Committee
prior to release.
        - All communications shall be sent under the signature of the Working
group Chair(s) as the      position of the working group(s) (stated in the first
paragraph) and shall include the LMSC   Chair in the communication distribution
list.
o Incoming liaison letters to Executive Committee members shall be sent, as a
minimum to the LMSC Chair.
o Informal communications are encouraged but should not imply that they are a
formal position of the IEEE 802 or of the working group
o Proposed position statements that need to be authored by other IEEE entities
shall be approved by the SEC and forwarded to the IEEE SA Standards Board
Secretary for further processing."
```

Recommended modified text with change bars:

```
"Procedure 10 PROCEDURE FOR COMMUNICATION WITH GOVERNMENT BODIES

o All communications shall comply with clause 5.1.4 (Position Statements on
standards to legislative bodies, government agencies, and international
organizations) of the [insert date as provide by JimC.] IEEE Standards
Association Standards Board Operations Manual.

These procedures apply to communications with government and intergovernment
bodies on regulatory issues.

o IEEE 802 position statements
        - Position statements to government bodies shall not be released without
prior approvaled by the SEC (requires 2/3 majority as per Nov. 14, 1999 IEEE
Policy and Procedure section 15. prior to release.
        - All position statements shall be issued by the LMSC Chair as the
position of IEEE 802 (stated in the first paragraph of the statement).
Position statements shall be copied to the SEC and the IEEE SA Standards Board
Secretary and shall be posted on the IEEE 802 web site.  The IEEE 802 web site
shall state that all such position statements shall expire five years after
issue. and reviewed after 5 years.

o Working group position statements
- "Working Group position statements with government bodies shall not be
released without prior approval by a 75% majority of the Working Group.  Such
position statements may proceed unless blocked by an SEC vote. For position
statements not presented for review in an SEC meeting, SEC members shall have a
review period of at least five days; if, during that time, a motion to block it
is made, release of the position statement will be withheld until the motion
fails."
        - All communications shall be sent under the signature of the Working
group Chair(s) as the position of the working group(s) (stated in the first
paragraph) and shall include the LMSC Chair in the communication distribution
list.Working Group position statements shall be identified in the first
paragraph as the position of only the Working Group and shall be issued by the
```

7

o Incoming liaison letters to SEC members shall be forwarded to the LMSC Chair.

o Informal communications shall not imply that they are a formal position of the IEEE 802 or of the working group.

o Proposed position statements that need to be issued by other IEEE entities shall be forwarded to the IEEE SA Standards Board Secretary for further processing upon approval by the SEC."

Recommended modified text without change bars:

Procedure 10 PROCEDURE FOR COMMUNICATION WITH GOVERNMENT BODIES

o All communications shall comply with clause 5.1.4 (Position Statements on standards to legislative bodies, government agencies, and international organizations) of the [insert date as provide by JimC.] IEEE Standards Association Standards Board Operations Manual.

These procedures apply to communications with government and intergovernment bodies on regulatory issues.

o IEEE 802 position statements
    - Position statements to government bodies shall not be released without prior approval by the SEC (requires 2/3 majority as per Nov. 14, 1999 IEEE Policy and Procedure, section 15).
    - All position statements shall be issued by the LMSC Chair as the position of IEEE 802 (stated in the first paragraph of the statement). Position statements shall be copied to the SEC and the IEEE SA Standards Board Secretary and shall be posted on the IEEE 802 web site. The IEEE 802 web site shall state that all such position statements shall expire five years after issue.

o Working group position statements
- Working Group position statements with government bodies shall not be released without prior approval by a 75% majority of the Working Group. Such position statements may proceed unless blocked by an SEC vote. For position statements not presented for review in an SEC meeting, SEC members shall have a review period of at least five days; if, during that time, a motion to block it is made, release of the position statement will be withheld until the motion fails.

- Working Group position statements shall be identified in the first paragraph as the position of only the Working Group and shall be issued by the Working Group Chair and shall include the LMSC Chair in the distribution. Such statements shall not bear the IEEE or IEEE 802 logos.

o Incoming liaison letters to SEC members shall be forwarded to the LMSC Chair.

o Informal communications shall not imply that they are a formal position of the IEEE 802 or of the working group.

o Proposed position statements that need to be issued by other IEEE entities shall be forwarded to the IEEE SA Standards Board Secretary for further processing upon approval by the SEC.

11/9/2000 SEC Motion

Mover: Paul Nikolich
Second: Vic Hayes_____

Motion:

To approve the addition of

"Procedure 10: PROCEDURE FOR COORDINATING WITH OTHER GOVERNMENT BODIES"

to the LMSC operating rules as presented in the 11/8 Nikolich rules memo.

Approve ___11____

Disapprove ____0___

Abstain ____0___

2 New Rules Changes proposed as of November Plenary:

Change Request #1 from Roger Marks:

I propose a change to the "OPERATING RULES OF IEEE PROJECT 802 LAN MAN STANDARDS COMMITTEE (LMSC)" and would like agenda time at the November Plenary to present my proposal.

In accordance with the procedure, I have discussed this issue with the LMSC Vice Chair.

The procedure requires me to specify:

a) The purpose, objective, or problem the proposed change is intended to address.

To broaden the rules so as to permit the use of the Treasury in support of the publication and dissemination of 802 standards.

b) The specific text of the rule change and the rationale for the chosen text.

Add Item 4 following "The purpose of having a LMSC treasury is to:" (within "Procedure 1: USE OF LMSC FUNDS") as follows:

4. To support the publication and dissemination of standards.

The rationale for this change: Recent straw polls indicate that 802 participants strongly support the use of 802 funds in the publication and distribution of standards, and the SEC, in July 2000, approved such a plan in principle. The current rules permit the use of the Treasury to "Expedite the setting of LAN/MAN standards, e.g. printing of draft standards and conducting ballots." However, publication and dissemination are not part of "setting" standards.

Roger

Change Request #2 from Bill Quackenbuch:

Remove ambiguity in definition of 'members' (have achieved voting status) and 'attendees' (people who have registered for a plenary meeting that are not members".

11/9/2000 SEC Motion

Mover: Roger Marks
Second: Tony Jeffree_____

Motion:

To approve to send to SEC Letter Ballot modification of

"Procedure 1: USE OF LMSC FUNDS "

to the LMSC operating rules as follows:

Add Item 4 following "The purpose of having a LMSC treasury is to:" (within "Procedure 1: USE OF LMSC FUNDS")

4. To support the publication and dissemination of standards.

Approve   __8_____

Disapprove   __2_____

Abstain   __1_____

11/9/2000 SEC Motion

Mover: **Paul Nikolich**

Second: _____

Motion:

Request approval to send to SEC Letter Ballot modification of:

"Section 5.1.3 Membership"

to the LMSC operating rules as follows:

Purpose:
Resolve ambiguity in 5.1.3 w.r.t to the definition and use of the terms 'members' (have achieved voting status) and 'observers' (individuals who are registered attendees at a plenary meeting that are NOT members).

The proposed rules change text is shown on the following page.

Approve   _____

Disapprove _____

Abstain   _____

5.1.3   Membership

Membership belongs to the individual, not an organization, and may not be transferred.

5.1.3.1   Establishment

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. Participation is defined as at least 75% presence at a meeting. Membership starts at the third Plenary session attended by the participant. 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~~ Attendees of the Working Group who have not achieved ~~voting~~ member status are known as observers. Liaison~~s~~ ~~members~~ are those designated individuals who provide liaison with other working groups or standards bodies.

Working Group members are ~~shall be~~ encouraged to join the Computer Society of the IEEE. Although this is not a requirement for membership in the Working Group, members shall be informed that membership in the IEEE Computer Society or in the IEEE will be a requirement for their vote to count if they wish to participate in the Sponsor Ballot group. Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives.

No participation credit will be granted to any individual who has outstanding financial obligations to LMSC; retroactive credit for participation in meetings shall not be granted if payment is not made prior to the start of the next meeting. (Note: Assumes LMSC Treasurer personally contacts individual, verbally or in writing, but with some assurance that communication was, in fact, received, and in sufficient time to respond.)

Membership may be declared at the discretion of the Working Group Chair (e.g. for contributors by correspondence or other significant contributions to the Working Group).

5.1.3.2   Retention

Membership is retained by participating in at least two of the last four Plenary session meetings. One duly constituted interim Working Group or task group meeting may be substituted for one of the two Plenary meetings. ~~Participation is defined as at least 75% presence at a meeting. Membership may be declared at the discretion of the Working Group Chair (for contributors by correspondence or other significant contributions to the Working Group). Membership belongs to the individual, not an organization, and may not be transferred.~~

5.1.3.3   Loss

Membership may be lost if two of the last three Working Group letter ballots are not returned, or are returned with an abstention other than "lack of technical expertise." This rule may be excused by the Working Group Chair if the individual is otherwise an active

participant. Membership may be re-established as if the person were a new candidate member.

5.1.3.4   Rights

The rights of the Working Group members include the following:

a) To receive a notice of the next meeting.
b) To receive a copy of the minutes.
c) To vote at meetings if and only if present.
d) To vote by mail on drafts to be submitted to the Sponsor Ballot Group.
e) To examine all Working Draft documents.
f) To lodge complaints about Working Group operation with the Executive Committee.
g) To petition the Executive Committee in writing. (A petition signed by two-thirds of the combined ~~voting~~ members of all Working Groups forces the Executive Committee to implement the resolution.)

5.1.3.5   Meetings and Participation

Working Group meetings are open to anyone who is registered. Only ~~voting~~ members have the right to participate in the discussions. The privilege of observers to participate in discussions may be granted by the Working Group Chair.

Interim Working Group or Technical Advisory Group meetings, as a goal, are to have: 1) Reasonable notification (>4 weeks), 2) Few last minute shifts in location (<< 1 per year), and 3) Notification of all Working Group members, observers and liaisons ~~people~~ (Notice to all Working Group members, observers, and liaisons ~~people~~ in addition to any announcement given at a Plenary).

5.20 Access Database Update – Frazier

SEC Motion:

The SEC authorizes the Executive Secretary and Recording Secretary to negotiate a Statement of work and agreement with a consultant to move 802 membership database into Access and update records with November 00 meeting registration information and provide 1 year of support and maintenance for an amount not to exceed $15,000.00.

M: Frazier

S: Rigsbee

Approve 11/0/0

5.21 Networking Update Proposal – Nikolich

Nikolich recognizes Don Berry, and congratulates Don for all of the effort he put into getting a network up and running for us. Tim Godfrey and Dave Bagby also contributed to the project.

Don stated that a big challenge was making use of the hotel's wiring facility. Cisco donated Access points and a 10/100 switch. 802.11 WG donated server space. Don did design, installation and maintenance with help from Tim. Design took 4 hours, installation and testing took 16 hours, maintenance to 16 hours, deinstallation and packing should take 6 hours.

Next steps: Determine value to meetings. Plan for next meeting. Finalize equipment needed for next meeting. Who Will do it?

Don presents a proposal for networking support from NCR.

(see file network.pdf – missing file)

Nikolich presents motion:

SEC motion

Authorize expenditure of up to $13K for wired and wireline networking services and internet access for the March 2001 meeting, including instructions for use.

5   **M: Nikolich**

S: Hayes

Rigsbee asks what ongoing costs would be?

Don Berry answers that ongoing costs would probably be less per meeting.

Thompson states this amounts to $15 per head per meeting, we will have to look at the budget impact.

10   Grow concerns that without adequate notice and instructions, a large portion (perhaps half) of committee won't be able to take advantage of this service.

Rigsbee states that he heard many concerns about using wireless access.

General agreement that it is ABSOLUTELY NECESSARY to provide detailed instructions with advance notice of at least one
15   month.

Paul Nikolich and Vic Hayes agree to co-manage the program.

Thompson states that we should not enter into a long term agreement. Rigsbee suggests that we make this available to as many attendees as possible.

Approved 7/3/1

20   **5.22 Interim Meeting Survey Results – Rigsbee**

802.1 responded unanimously negative to 802-hosted interim proposal.

Thompson stated that 802.3 considered the proposal. 802.3 is interested in doing an 802 hosted interim meeting in May, 2001. 802.3 already has an interim meeting venue and host planned for September. Concerned about inflexibility of schedule. Do consider the services to be of value.

25   Heile states that the wireless groups think about co-locating, like the professional meeting services. Don't see a need to meet along with wireline groups, and concerned that the combined size of the meeting is too large.

Rigsbee observes that it would be difficult to orchestrate multiple simultaneous interim meetings.

Frazier observes that dot3 is interested in the idea of participating in an 802 hosted interim meeting in May, 2001, collocated with other dot groups.

30   **SEC Motion:**

802 will organize on a no host (w/ MTG fee) basis a meeting for May 14-18, 2001 for 802 WG & TF interim MTGs.

M: Frazier

S: Geoff Thompson

Approved 7/1/3

5.23 Paperless Tutorials – Heile

SEC motion:

To allow electronic distribution of tutorial presentations instead of paper copies at least 7 days ahead of meeting. Provide a convenient link from the 802 web page. Materials also accessible on local server at meeting.

M: Heile

S: Kerry

Marks/Rigsbee amendment:

To allow electronic distribution of tutorial presentations instead of paper copies {provided that a pointer to the electronic materials is provided by the tutorial host to the SEC reflector} at least 7 days ahead of meeting. Provide a convenient link from the 802 web page. Materials also accessible on local server at meeting.

Marks/Rigsbee amendment fails 2/5/3.

Vote on motion:

Approved 9/1/1

In the course of discussing this motion, Frazier indicates his intent to resign as Recording Secretary effective at the end of the March, 2001 meeting. Carlo states that the position of recording secretary will be open, and invites volunteers, who would then work with Frazier during a transition period at the March, 2001 meeting.

5.24 WPAN 5 GHz High Rate Study Group – Heile

(see file dot15sec.pdf)

Motion: Form a 5 GHz High Rate WPAN study group within 802.15 to address the creation of a 5 GHz PHY option within the 802.15.3 HR framework. The study group will work closely with the 802.11/ETSI/BRAN/MMAC 5 GHz study group to ensure coexistence (passed the WG 14/5/10). Proposed chair Bruce Kraemer.

Marks speaks against. Work can be done within scope of 802.15.3 PAR.

Kerry speaks against Work can be done within scope of 802.15.3 PAR.

Frazier states that one reason for splitting PAR would be to accommodate a different schedule. Is schedule different? Heile answers yes.

Frazier states concern that as there is vehement disagreement within wireless experts, he has difficulty supporting this proposal.

John Barr states that this is the best way to keep the 5 GHz interested parties involved in 802.15.

Carl Temme states that as a participant in the 5 GHz globalization study group, his group has expressed concerns about new study groups and standards projects entering this band. Don't approve any new standards projects in that band without a coexistence strategy.

Thompson states that disapproving the study group is not within the rights of the SEC. The SEC gets to decide where the SG goes, but not whether to create one. Agrees that work load is too high

M: Heile

S: Nikolich

Disapproved 1/3/7

Low Rate WPAN PAR

- Received comment from 802.11 on including direct reference to the 5G SG which was accepted by the Low Rate Study Group and the Working Group with the addition of the words "**and 802.11/ETSI-BRAN/MMAC 5GSG**" end of the sentence in item 9.

- Revised PAR passed the Working Group by a vote of 36/1/1 on Wednesday, Nov 8, 2000 at 3:45pm

Proposed Low Rate Task Group Leadership

- Chair: Bob Heile (acting)

- Vice Chair: Pat Kinney

- Secretary: Marco Naeve

- Technical Editor:

Motion to the SEC

Move that the SEC forward the 802.15.4 Low Rate PAR, Document 00/248r4, to the December Meeting of NesCom for approval.

Moved: Bob Heile

Second: Stuart Kerry

yes: 10

no: 0

abstain: 0

Background on Study Group Motion

- TG3 selected a MAC and 2.4 gig PHY as the Baseline for the High Rate WPAN Standard.

- A significant 5gig faction emerged during the selection process.

- To reduce the potential of random fragmentation it was deemed better to form a Study Group which could be closely tied to the 5Gig SG of 802.11which could look at options for a 5gig PHY for 802.15.3

Motion

- *Motion: Form a 5GHz High Rate WPAN study group within 802.15 to address the creation of a 5 GHz PHY option within the 802.15.3 WPAN HR framework. The study group will work closely with the 802.11/ETSI-BRAN/MMAC 5GHz Study Group to ensure coexistence. (Passed the WG* 14/5/10*)*
- *Proposed Chair: Bruce Kraemer*

moved: Bob Heile

second: Paul Nikolich

yes/no/abstain   1/3/6

Thursday Excom Meeting Presentation

November 9, 2000

5.25 Response from ballot survey – Carlo

Will conduct via email ballot

5.27 OID arc –Jeffree

5   Will send to reflector

5.28 802.5v Gigabit TR – Love

(see file dot5close.pdf)

SEC Motion:

Forward 802.5v to RevCom

10   **M: Love**

S: Frazier

Approved 8/0/3

IEEE 802.5v information to the SEC, Thursday 11/9/00

Summary of the recirculation ballot for 802.5v (Gigabit Token Ring)
The ballot has successfully completed with no new DisApprovals, and no new comments.

The final vote was:
40 members of a properly balanced voting pool
39 cast ballots
33 Affirmative
2 Negative
4 Abstain
97% returned votes, 10% Abstained, 94% of the Yes/No votes were affirmative.

In addition, every effort was made to accommodate the negative ballots. No correspondence was received from the negative balloters indicating whether or not those efforts were successful. It is the belief of the IEEE 802.5 Ballot Resolution Group that all negative comments were accommodated successfully.

Draft 1.4 forwarded to the IEEE for publication is identical to the draft posted for recirculation.

Robert D. Love
Chair IEEE 802.5

5.29 Meet with FCC at Future Plenaries – Hayes

Have invited FCC representatives to meet on Friday mornings following each 802 plenary session.

FCC has expressed interest in having regular contact. This method has been proposed in response.

5.30 802.16 PAR revisions – Marks

5   Decision to forward was deferred to an interim meeting. Nothing to present tonight.

5.31 Use of the word "Marketing" in 802 activities – Carlo

Carlo says: Don't call it marketing, call it "communications".

5.32 Future Meeting Venues – Rigsbee

Numerous future venues were reviewed. Tallies of preferences were not recorded.
10   Recording secretary will live to regret this omission.

The meeting was adjourned at 12:00 midnight

Respectfully Submitted,
Howard Frazier
15   Recording Secretary

802.1 - Activities & status

Tony Jeffree, WG Chair

9th November 2000

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)
    - Awaiting Sponsor confirmation ballot
- P802.1s - Multiple Spanning Tree support in VLANs
    - Further Task Group ballot on Draft 8 to complete by March

Status of current projects - (2)

- **P802.1t - Tech & ed corrections to 802.1D MAC Bridges**
  - Draft 10 to Sponsor Recirculation ballot, then to Standards Board
- **P802.1u - Tech & ed corrections to 802.1Q VLANs**
  - Draft 9 to Sponsor Recirculation Ballot, then to Standards Board

Status of current projects - (3)

- P802.1v - VLAN classification by protocol and port
  - Draft 6 to Sponsor Recirculation Ballot, then to Standards Board
- P802.1w - Rapid Spanning Tree reconfiguration
  - Draft 8 to WG Recirculation Ballot, then to Sponsor Ballot

Status of current projects - (4)

- P802.1X - Port based network access control
  - Draft 9 to WG Recirculation Ballot, then to Sponsor Ballot

802.11 Report to SEC

- A record of 80 new participants attended the 802.11 sessions at this meeting.

- 162 participants were at the opening plenary.

  - 124 Voting Members, 36 nearly voting members, 129 aspirant voters.

- Over 440 documents have been published in 802.11 so far this year.

802.11 Task Group reports

- ## 802.11b-cor1
  - A Sponsor Ballot is currently taking place; to close on November 16th. Any comments will be resolved at the January 2001 interim.

- ## 802.11d
  - The plan is to start a Sponsor Ballot by the 1st of December. If the Sponsor Ballot starts by that date, TGd will be able to resolve any comments at the January 2001 interim.

802.11 Task Group reports

- ## Task Group E
  - Task Group E was divided into QoS and Security Sub Groups in September.
  - Each Sub Group held teleconferences and meetings between meetings.
  - Each Sub Group achieved consensus on the approach, and approved a baseline proposal at this meeting.
  - The TGe Editor has been empowered to merge the baseline proposals into the first TGe draft for the January 2001 Interim.
  - Additional teleconferences have been scheduled between now and the January interim.

802.11 Task Group reports

- ## Task Group F

  - Task Group F was unable to make progress due to the needed experts attending TGe sessions which ran in parallel.

  - The TGf chair presented a motion to the WG plenary requesting that TGe and TGf not meet in parallel sessions for future meetings. The motion passed 56:1:8.

  - An Interim Ad Hoc meeting of TGf has been scheduled to work between meeting to recover the schedule.

802.11 Task Group reports

- ## Task Group G

  - – The selection process has been completed up to step 13, which is the initial down-selection vote. One proposal was eliminated.

  - – The selection process will continue at the January 2001 Interim.

802.11 Task Group reports

- Spectrum Managed 802.11a (SMa) Study Group
  - The PAR and 5 Criteria were accepted and approved in the WG plenary.
  - Drafts of requirements, selection process, and comparison criteria were drafted and adopted.
  - Officers were selected
    - Chair – Mika Kaslin
    - Editor – Evan Green

802.11 Task Group reports

- ## 5GHz Globalization Study Group
  - – The Study Group was formed after the contingencies of forming similar study groups at ETSI and MMAC were fulfilled.
    - Bruce Kraemer was appointed Vice Chair
    - Garth Hillman was appointed Secretary
  - – The 802.11 working group directed this SG to produce comments on the 802.15 low speed PAR, and the 802.16 WirelessHUMAN PAR.
  - – The study group drafted a proposal to IEEE 802 to come up with coexistence and spectrum sharing guidelines that will be reviewed before new PARs can be granted in the 5GHz band.
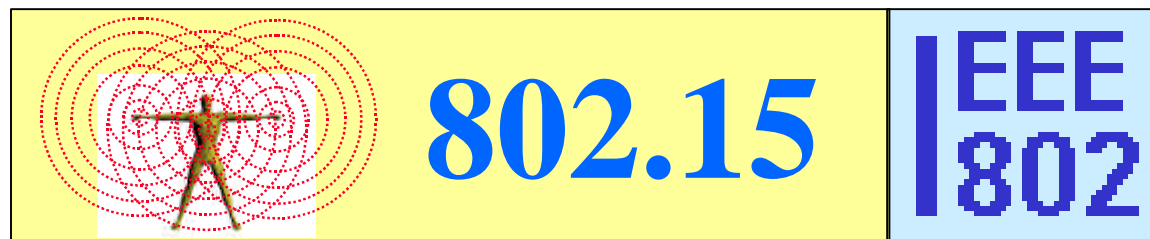
802.15

IEEE 802

9th Session of meetings of the IEEE 802.15 Working Group for Wireless Personal Area Networks

Closing Report to 802

November 6-10, 2000

Hyatt Regency Tampa
2 Tampa City Center
Tampa, FL 33602

Archive, Mailing List, URLs

- Web Page
  - http://www.ieee802.org/15/

- Mailing List
  - stds-802-wpan@majordomo.ieee.org

- Bluetooth Special Interest Group
  - http://www.bluetooth.com/

- Home RF Working Group
  - http://www.homerf.org/

To add your name to IEEE mailing list please send an e-mail to michael.d.mcinnis@boeing.com
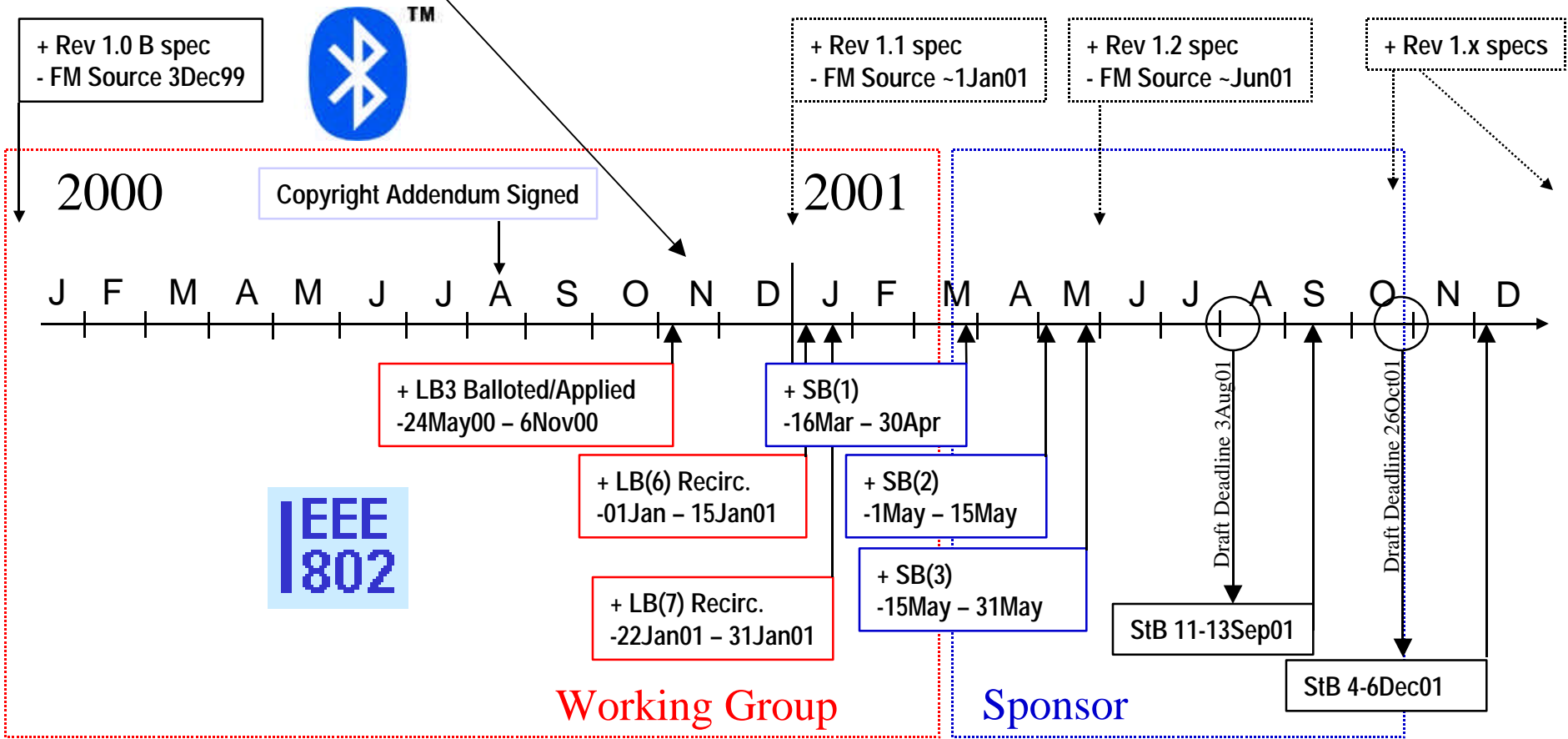
Summary for 802.15.1

- **Task Group 1 (TG1)** is deriving a draft standard from the Bluetooth™ specification under IEEE PAR 802.15.1 At Session #9, the group made significant progress in progressing their draft standard.

- During Session #9 the Letter Ballot 3 Comment Resolution Team met and significantly reduced the gap in resolving the outstanding comments:
  - 422 Comment Total (388 Comments almost "F"inished (42 Comments "D"eclined, letters needs to be stamped & mailed), 3 Comments still in BSIG "E"rrata DB, 30 Comments need Voter "C"larification, 1 Comment needs to be "R"esearched)

- Additionally, the Project Plan was altered on 3Nov00 when the BSIG informed the IEEE that unfortunately the BT v1.1 spec schedule is gated by feedback from UnPlugFest-4 (Nov 5-9) and resolution of editing problems (TROFF) by the Open Group. The TG1 has offered the assistance of the TG1 Editors.

- The next step for TG1 is to review the Project Plan and prepare for the final WG Letter Ballot of IEEE Std 802.15.1-[2001] Draft 0.8 as well as initiate preliminary work for Sponsor Ballot; tentatively planned for Feb01/Mar01 timeframe.

The TG1 will hold Teleconference Calls during the month of December and all agenda, minutes, and rolling open action items will be available via the 802.15.1 reflector archive.

You are here

Current Balloting Planning-802.15.1

+ Rev 1.0 B spec
- FM Source 3Dec99

+ Rev 1.1 spec
- FM Source ~1Jan01

+ Rev 1.2 spec
- FM Source ~Jun01

+ Rev 1.x specs

2000

Copyright Addendum Signed

2001

J F M A M J J A S O N D J F M A M J J A S O N D

+ LB3 Balloted/Applied
-24May00 – 6Nov00

+ LB(6) Recirc.
-01Jan – 15Jan01

+ LB(7) Recirc.
-22Jan01 – 31Jan01

+ SB(1)
-16Mar – 30Apr

+ SB(2)
-1May – 15May

+ SB(3)
-15May – 31May

Draft Deadline 3Aug01

Draft Deadline 26Oct01

StB 11-13Sep01

StB 4-6Dec01

IEEE 802

Working Group   **Sponsor**

BSIG-IEEE need to discuss the process by which the IEEE would maintain a spec after accreditation.
(This may determine whether the IEEE should accredit BT 1.1 or a more stable version)

802.15.1 January Meeting Objectives

- Post Session #9
  - 1. WG eLB MOTION Nov00: TO FINALIZE APPROVAL OF LB3 RESOLUTIONS -00/159r16
  - 2. COMPLETE PRODUCTION AND/OR REVIEW IEEE Std 802.15.1-[2001] Draft 0.8
  - 3. DETERMINE WHAT FORM OF LETTER BALLOT IS APPROPRIATE FOR DRAFT RE-CIRCULATION, IF V1.1 CHANGES ARE MINOR OR RECONSIDERATION, IF V1.1 CHANGES ARE MAJOR
  - 4. WG eLB MOTION Dec00/Jan01: INITIATE WG LETTER BALLOT PROCESS FOR DRAFT
  - 5. INITIATE SPONSOR BALLOT POOL INVIATION PROCESS
- Session #10
  - 6. PROVIDE PROJECT PLANNING UPDATE -00/xxxr0
  - 7. PROVIDE SESSION #11/HILTON HEAD OBJECTIVES

802.15.2
Submissions on Coexistence Mechanisms

- In September we sent out the Call for Submissions.

- Presentations on Coexistence Mechanisms are being made at,
  – November 2000 meeting (Tampa)
  – January 2001 meeting (Monterey)

- We are voting on selection procedure at this meeting (Thursday) 00/353r1

802.15.2
Coexistence Presentations

- Tod Sizer, *Bluetooth SIG Coexistence Working Group Liaison Report #3,* 00/387r0.

- Hong Bin Gan, *Adaptive Frequency Hopping,* 00/367r0.

- Jim Lansford, *MEHTA: A Method of Coexistence,* 00/360r0.

802.15.2
Selection Procedure

- Voted on procedure for selection of coexistence mechanism, 00/353r2
  - Passed
  - 10 Yes
  - 0 No
  - 1 Abstain
- Procedure affirmed by the Working Group at its closing Plenary

802.15.2
Coexistence Model Presentation

- Bob Van Dyck, "PHY Level Coexistence Model", 00/372r0

- Nada Golmie, "MAC and PHY Coexistence Model Integration: Part 1", 00388r0

802.15.3
Goals of the November Meeting

- ✓ Summarize conference call results and vote on acceptance of work.
- ✓ Summary presentations on MAC & PHY proposals
- ✓ Vote to Reduce to one MAC/PHY.
- Organize the writing of the Draft Standard
- Review interfaces between MAC/PHY.
- Review and Analyze Call for Patents.
- Review the BSIG/IEEE contract status.

802.15.3
Modified Agenda

✓ Additional time required to obtain closure on MAC/PHY selections.

802.15.3 January Meeting Goals

- ***ConCalls: Begin writing of draft standard. Continue MAC/PHY refinement.***

- **January 15-19, 2001, Monterey, CA USA, Hyatt Regency, 802.11/15 *Interim Meeting*.**
  - Writing Draft Standard
  - Resolve Conflicts
  - Review interfaces between MAC/PHY etc.
  - Editorial Reviews
  - Review and Analyze Call for Patents

802.15.3 High Rate MAC & PHY selected!

- The High Rate Task Group (TG3) selected final MAC and PHY proposals for 802.15.3 at the November 6-10, 2000 IEEE 802 Plenary Meeting held in Tampa, FL.

- Merging key components from multiple proposals, a hybrid MAC was developed and adopted for 802.15.3. The selected MAC enjoyed a 100% confidence vote from the WPAN High Rate Task Group and was affirmed by the 802.15 WPAN Working Group with only one dissenting vote.

802.15.3 High Rate MAC & PHY selected!

- Driven by consensus, TG3 adopted a modified PHY proposal based on a 2.4GHz radio design. The selected PHY proposal was confirmed by a consensus vote of 79% in the WPAN High Rate Task Group and affirmed by the 802.15 WPAN Working Group with only one dissenting vote.

- Volunteers are being solicited to work with the PHY and MAC subcommittees on the initial draft standard.

- We have established a target of November 2001 or early 2002 for completion of the draft standard.

Teleconference Calls

- ## First call November 28
- ## Technical Editor(s):
  - – James Gilb, Mobilian
    - 2.4 GHz PHY sub-editor (James Gilb)
    - MAC sub-editor (Al Heberling)
    - Systems Interface sub-editor (Mary DuVal)
  - – James will request volunteers for editorial help on Nov. 9 and report on status on Nov. 28.
- ## Times, Agendas (to accommodate international participants) will be announced via email

802.15 Low Rate Study Group

- The Low Rate Study Group (LRSG) incorporated coexistence comments in its draft PAR

- Revised PAR passed both the Working Group and ExCom and is being forwarded to NesCom for approval in December

- Group completed a first draft of a project timeline (00385r1P802-15), a draft press release (00384r0P802-15) and a Call for Applications (00390r1P802-15).

- Telecons will begin on Tuesday, Nov 21. See 802.15 web site for details

802.15 Radio2 Study Group

- Because of information flow restrictions from the Bluetooth SIG there was little new information which could be shared in a public forum

- It was decided to let the Study Group fold rather than ask for another 4 months and reconstitute it when necessary.

802.15 Publicity Committee Discussion Topics of Joint 11/15 Session

- Articles
  - List of Published/Pending
  - Request for contributions
- Website
  - Working, always interested in comments
- Conferences
  - Calendar of events updated and expanded
  - Several speakers going to Comdex next week

802.15 Publicity Committee Discussion Topics of Joint 11/15 Session

- IEEE Publications
  - Several publications to create collateral material for 802.11 and 802.15
- Press releases/Press Kit
  - Several press releases need to be prepared for web posting
  - Press Kits progressing
- Forecasts
  - Initiated definitions, market structure and forecasts

802.15 Publicity Committee
Work Items for Monterey

- Forecasts
  - Refine definitions, market structure and forecasts for .11
  - Review initial definitions, market structure and forecasts for .15
- Press releases/Press Kit
  - Prepare press releases based upon Monterey events
  - Update Press Kits
- Articles
  - Review recently Published & Pending

802.15 Publicity Committee
Work Items for Monterey

- ## Website
  - – Review updates and activity

- ## Conferences
  - – Update Calendar of Events updated and expanded

- ## IEEE Publications
  - – Review status of publications to create collateral material

Next Meeting

Dates: January 15th-19th, 2001

Hotel Information:

Hyatt Regency Monterey, On Del Monte Golf Course,
One Old Golf Course Road,
Monterey, CA 93940, USA.

Direct Phone: +1 (408) 831-1234

Hyatt Direct Reservations Phone: +1 (800) 233-1234

Group Name: IEEE 802-Philips Semiconductors Meeting

more info at: www.ieee802.org/15/

IEEE 802.16 Session #10 Report

Session #10 of the IEEE 802.16 Working Group on Broadband Wireless Access took place on 6-9 September 2000 in Tampa, Florida, USA.

Attendance at Session #10 was a record 211; see the attendance list. 174 people attended during enough meeting intervals to receive credit for having "participated" in the session for membership purposes; this broke the previous record of 128.

Task Group 1 (TG1): Air Interface for 10-66 GHz
TG1 resolved the 584 comments received in response to the Working Group Review of the working version of the 10-66 GHz IEEE 802.16.1 air interface, which has been downloaded over 20,000 times. A decision to forward the document to Working Group Letter Ballot was postponed until Session #11 pending an editorial restructuring which will accomodate the request of the Task Group 3 MAC Committee. An interim Task Group 1 meeting was scheduled for 12-14 December 2000 in San Diego, California, USA to address this editorial work.

Task Group 2 (TG2): Coexistence
TG2 resolved comments arising in the Final Task Group Review of its Recommended Practice for Coexistence of Broadband Wireless Access Systems. The document was then approved for a Working Group Letter Ballot, which opened on 17 November and runs through 27 December 2000. Liaison letters were produced to thank several organizations for their participation in the review. TG2 Co-Chair Andy McGregor announced his resignation due to a position reassignment. Phil Whitehead of Radiant Networks PLC in the UK, a long-time active participant in TG2, agreed to accept the position of Co-Chair and was appointed.

Task Group 3 (TG3): Air Interface for licensed bands, 2-11 GHz
TG3 completed an initial PHY Evaluation Criteria and Scoring Matrix and heard 20 PHY proposals presentations. The deadline for member scoring of these proposals was extended until 20 November. The group planned three Calls for Contributions:

- **an Invitation to Contribute PHY proposals, issued on the basis of the scoring results**
- **A Call for Contributions on the TG3 MAC in the form of enhancements to the TG1 MAC**
- **A Call for Contributions on MAC evaluation criteria**

TG3 also discussed additional contributions and formed three committees:

- a standing TG3 MAC subcommittee (Chaired by Subir Varma)
- an ad hoc Channel Model Committee (Chaired by Vinko Erceg)
- an ad hoc Traffic Model Committee (Chaired by Rick Baugh)

WirelessHUMAN™ Study Group (Wireless High-Speed Unlicensed Metropolitan Area Networks)
Following a successful Tutorial/Discussion Session, the (WirelessHUMAN™) Study Group completed a revised IEEE Project Authorization Request (PAR) requesting approval to initiate a standardization effort. The PAR was approved by 802.16 and then by the IEEE 802 Executive Committee. It is on the agenda for final approval by the IEEE-SA Standards Board on 7 December.

Anticipating Standards Board approval, 802.16 has created 802.16 Task Group 4 to develop the standard in accordance with the PAR. The Task Group 4 Chair is Durga P. Satapathy of Sprint, who has chaired the WirelessHUMAN™ Study Group since March 2000. Following the rapid timeline described in the PAR, 802.16 has already issued the Call for Contributions for Modifications of 802.16 MAC and 802.11a-HIPERLAN/2 PHY for the WirelessHUMAN™ Standard. An Interim Meeting is tentatively planned for 15-16 February 2000 in Mountain View, California, USA (following the first TG4 meeting at 802.16's Session #11).

Working Group Activities

Kiernan Elected Vice Chair

Brian G. Kiernan was elected as Working Group Vice Chair for a term extending until March 2002. Kiernan, who is Senior Vice President with InterDigital Communications Corp., will remain as Chair of TG3. Kiernan's election was later confirmed by the IEEE 802 Executive Committee.

PAR Revision

The Working Group discussed a plan to revise the 802.16 PARs but deferred action until Session #11.

Press Release

New 802.16 Publicity Chair Dean Chang led the creation of a draft IEEE-SA Press Release covering 802.16 activities. This was later approved by the IEEE 802 Executive Committee. A version is scheduled for release by the IEEE-SA on 21 November.

Liaison Letters

The Working Group approved several liaison letters (see the session document list). These were later approved by the IEEE 802 Executive Committee.

Future Meetings
The Working Group accepted a proposal from José Costa to host Session #11 in Ottawa, Canada, with Nortel Networks as corporate host. This site selection overrides an earlier decision to hold the meeting in Tel Aviv, Israel. Full details, including an on-line registration form, are available at the Session #11 web page.

Documents
The Session #11 document list indexes the documents processed during the week of the meeting as well as followup documents.

Complete Minutes

- Working Group Minutes: not yet complete
- TG1 MAC Minutes
- TG1 PHY Minutes
- TG2 Minutes
- TG3 Minutes
- WirelessHUMAN^{TM} Minutes

About IEEE 802.16
The IEEE 802.16 Working Group on Broadband Wireless Access Standards is creating the WirelessMAN^{TM} family of standards for wireless metropolitan area networks. The mission of Working Group 802.16 is "to develop standards and recommended practices to support the development and deployment of fixed broadband wireless access systems." 802.16 is a unit of the 802 LAN/MAN Standards Committee, the premier transnational forum for wired and wireless networking standardization.

This report was created on 21 November by:

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RPRSG Status Report
Nov 9, 2000 SEC Meeting

Mike Takefman

Chair of RPRSG

tak@cisco.com

http://www.ieee802.org/rprsg

stds-802-rprsg@majordomo.ieee.org

Major Progress

- The Resilient Packet Ring PAR was completed and sent to the SEC for approval

- Both the PAR and request to establish IEEE 802.17 as a Resilient Packet Ring Working Group was unanimously approved by the SEC at the their Thurs. night executive session

- Working Group Charter Developed

- Mike Takefman appointed 802.17 Chair

Activities

- 36 attendees met 75% attendance criteria
- signed attendance: 58 from 39 organizations
- 6 technical presentations
- meeting with 802.3 to discuss the PAR/5C
- meeting with 802.3 (ad-hoc) to discuss concerns with PAR/5C
- meeting with 802.1 to discuss the PAR/5C and to validate some conclusions of RPRSG
- meeting with 802.3 to respond to ad-hoc

Upcoming

- IEEE Stds. Board (NesCom) approval of PAR, and formation of 802.17 WG, is on their December meeting agenda

- 802.17 to create a press release announcing its formation, and will forward it to the SEC for electronic ballot approval

- Interim Meeting set for January 16/17, 2001 in Bay Area
  - Meeting Details to be posted on web site when available

Contact Information

- IEEE 802.17 web site:
  http://**www.ieee802.org/17/index.html**,

- 802.17 WG Chair contact information:
  Mike Takefman, **tak@cisco.com**