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

Monday, July 10, 2000 - 8:00 a.m.

Hyatt Regency, La Jolla, CA

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
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 Pribula, Stephen Kahofer (manager balloting center), Greg Kohn, Jennifer Longman.

Jim Carlo announced that Dr. Roger Marks has been granted the status of IEEE Fellow. Congratulations to Roger.

2. APPROVE OR MODIFY AGENDA

Nikolich/Hayes

25   **9/0/0 Approved at 8:05 am**

Hyatt Regency La Jolla, CA

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**
		Category (* = consent agenda)				
5.00	ME	**Signature Authority**	-	**GROW**	5	**08:20 AM**
5.01	ME	**802 Sponsor Rosters**	-	**CARLO**	10	**08:25 AM**
5.02	ME		-		0	**08:35 AM**
5.03	MI	**Hibernation of 802.5**	-	**LOVE**	5	**08:35 AM**
5.04	MI	**Disbandment of 802.8 and 802.14**	-	**NIKOLICH**	5	**08:40 AM**
5.05	MI	**Y2K+1 CDROM**	-	**FRAZIER**	5	**08:45 AM**
5.06	MI	**Rules Change - Eliminate Friday Plenary**	-	**NIKOLICH**	10	**08:50 AM**
5.07	MI	**Purchase of two more LCD projectors**	-	**RIGSBEE**	5	**09:00 AM**
5.08	MI		-		0	**09:05 AM**
5.09	DT	**802 Standards Distribution Program**	-	**WALKER**	10	**09:05 AM**
5.10	DT	**Liaison Processes(Other SDO, Gov, Regulatory, Int)**	-	**CARLO**	10	**09:15 AM**
5.11	DT	**Procedure for Position Statement production**	-	**HAYES**	5	**09:25 AM**
5.12	DT	**BREAK**	-		10	**09:30 AM**

5.13	DT	Networking 802 Meetings	-	NIKOLICH	10	09:40 AM
5.14	DT	Database Update Status	-	RIGSBEE	5	09:50 AM
5.15	DT		-		0	09:55 AM
5.16	DT	New PAR – 802.3	-	THOMPSON	0	09:55 AM
5.17	DT	JTC1 IPF Update	-	CARLO	0	09:55 AM
5.18	II	New PAR – 802.11 High Rate (b)	-	KERRY	5	09:55 AM
5.19	II	802.11d to Sponsor Ballot	-	KERRY	5	10:00 AM
5.20	II	RPRSG ECSG Report	-	TAKEFMAN	10	10:05 AM
5.21	II	RAC Meeting	-	THOMPSON	5	10:15 AM
5.22	II	Tutorial Schedule & Wednesday Social	-	RIGSBEE	5	10:20 AM
5.23	II	Meet with the IEEE-SA Standards Board in March, 2001	-	RIGSBEE	5	10:25 AM
5.24	II	Meeting Fee Waivers	-	CARLO	0	10:30 AM
		ADJOURN				10:30 AM

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

3.00 Approve minutes of previous meeting

Nikolich/Hayes

Approved 8/0/1 at 8:06

5   **4.00 Treasurer's Report – Grow**

The surplus is ballooning. Attendance is up. Our operating reserve is getting large.

IEEE Project 802
Statement of Operations
Nov 1999 Meeting

open	**7 Nov 1999 Operating Reserve**			**66,296**	

Nov 1999 Meeting Income:				**Actual**	*Budget*
151 Registrations@	$300	45,300			
321 Registrations@	$250	80,250			
Registrations@	$100	0			
Subtotal		**125,550**	**125,550**	112,625	
Deadbeat Registrations			**600**	0	
Bank Interest			**213**	200	
Other			**475**	0	

plus	**TOTAL Income**			**126,838**	112,825

Nov 1999 Meeting Expenses:	**Actual**	*Budget*	
Audio Visual Rentals	**6,863**	6,000	
Bank Charges	**1**	25	
Copying	**4,818**	6,390	
Credit Card Discounts	**3,364**	3,277	*
International Program Fee	**22,200**	38,300	*
Meeting Administration	**36,547**	32,166	*
Phone & Electrical	**986**	900	
Refreshments	**25,626**	16,188	
Shipping	**4,025**	4,500	
Social	**23,411**	15,000	
Supplies	**5**	0	
Other	**2,806**	0	

minus	**TOTAL Meeting Expense**	**130,652**	122,746

minus	**Equipment Expense**	**22,482**	21,000

equals	**Mar 2000 Operating Reserve**	**40,000**	

	Net Change in Operating Reserve	**(26,296)**	(30,921)

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

5.00 Signature Authority - Grow

Need to adopt a standard bank form to comply with IEEE Computer Society and IEEE meeting requirements. Must add signature authority for Judy Gorman, Managing Director of the IEEE-SA.

Motion:

5 **Approve signature authority for IEEE 802 checking account for Judy Gorman, IEEE-SA Managing Director, per the IEEE meeting Rules (Section 10). Authorize the officers of 802 to execte any and all document necessary to implement the intent of this motion.**

Notes: Bob Grow, Buzz Rigsbee have signature authority today.

Moved: Bob Grow Seconded: Howard Frazier

10 **10/0/1 Approved at 8:12**

Motion:

The number of signatories from outside the IEEE 802 Exec who have signature authority on LMSC funds be limited to one.

Moved: Thompson Seconded: Grow

Roger Marks expresses concern that a future action of the LMSC could overturn the motion, therefore the motion is useless.

15 Vic states that this would need to be reflected in a rules change. Tony asks if a rule change is necessary. Nikolich says no.

Carlo observes that this would prevent the chair from adding a signature authority without action by the LMSC.

9/1/0 Approved at 8:20.

5.01 802 Sponsor Rosters – Carlo

Carlo recaps recent addition to SA operations manual which states that sponsors must "submit annually to the IEEE Standards
20 Department an electronic roster of individuals participating on standards projects"

Thompson asks why IEEE needs this information?

Frazier postulates that IEEE needs to know how many people it is indemnifying.

Motion:

Submit the IEEE 802 Plenary attendance lists for the last three meetings to IEEE-SA staff to satisfy OM requirements.
25 **Stipulate that this list of names is NOT to be used for any other purposes except for indemnification nor can we guarantee that it includes all participants working on IEEE 802 standards. The information shall be limited to the individual's name, company affiliation and phone number.**

Moved: Thompson

Seconded: Frazier

30 Rigsbee asks what information should be included in this list?

Thompson proposes name, company name, and phone number.

8/0/3 Approved at 8:30.

Roster Submission to IEEE-SA

- IEEE-SA Operations Manual, Clause 5.1.2f under Duties of the Sponsor which states:
- "Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

- Indemnification: Generally, the right to indemnification by a person participating in an IEEE activity means that IEEE will indemnify each such person against expenses and any liabilities paid or incurred by such person in connection with any actual or threatened claim, action, suit or proceeding, civil, criminal, administrative, investigative in which such person may be involved in any manner, as a party, witness or otherwise, or is threatened to be made so involved, by reason of such person being or having been a participant in the IEEE activity. Typically, there is no right of indemnification with respect to an action initiated by an such person against the IEEE. Normally, "expenses" means all expenses actually and reasonably incurred, including fees and expenses of counsel selected by such person, and "liabilities" means the amounts of judgments, excise taxes, fines, penalties, and amounts paid in settlement. Indemnification normally includes the right to have such person's expenses in defending any action paid in advance prior to final disposition of such action if the IEEE receives a written undertaking by or on behalf of such person to repay the amount advanced if it should ultimately be determined that such person is not entitled to be indemnified for such expenses.

IEEE 802

Jim Carlo - IEEE 802 Chair   July-2000

5.02 – Empty Agenda Item

5.03 – Hibernation of 802.5 – Love

Bob Love states that 802.5 has completed all of its work with the exception 802.5v (Gigabit TR) which is undergoing recirc. No meetings planned. There are no open PARs, no reason not to go into hibernation.

5   Nikolich asks about results of WG ballot on hibernation.

Love states that there was no opposition to hibernation. 8 approves, zero disapproves.

Motion:

Hibernate 802.5 WG

(One item outstanding, recirculation of 802.5v)
10   The WG had an email ballot to hibernate, results 100% approved, of 8 votiing members.

Moved: Love Seconded: Jeffree

9/0/0 Approved at 8:35.

5.04 Disbandment of 802.8 and 802.14 – Nikolich

Nikolich states that PAR for 802.8 has been withdrawn. Requires an SEC letter ballot.

15   **Motion**

As the PAR for 802.8 has been withdrawn, disband the 802.8 TAG.

Moved: Nikolich Seconded: Thompson

8/0/1 Approved at 8:37

Motion

20   **As the PARs for 802.14 has been withdrawn, disband the 802.14 WG**

Moved: Nikolich Seconded: Hayes

8/0/0 Approved at 8:38

5.05 Y2K+1 CDROM – Frazier

Frazier asks what new 802 standards will be ready for publication. States that new CDROM will be
25   produced for distribution at November meeting.

Thompson – Door stop 2K, 802.3ad

Jeffree – maybe 802.1t and 802.1u

Kerry – 802.11a and 802.11b

Motion: Authorize expenditure of NTE $2000 to produce 2001 edition of CDROM

30   M: Thomspon S: Grow

5.06 Rules Change –Eliminate Friday Plenary – Nikolich

Rules change text modified to add detail to description of material to be provided as status reports. Don't need a meeting to discuss.

We need to have an SEC rules meeting to discuss the scope statement rules change. Proposes Tuesday afternoon at 2:00.

Frazier asks that the Tuesday meeting also cover the proposed text of the kill the plenary rules change.

5.07 – Purchase two more LCD Projectors – Rigsbee

We need to purchase two more projectors.

Frazier asks how much, and what type?

Rigsbee answers one big, one small, about $9000 with cases.

Send updated expensed equipment list to insurer. Grow takes an action item to talk with insurance agent.

Motion:

Authorize an expenditure NTE $9000 to purchase two LCD projectors with cases.

Moved: Frazier Seconded: Love

11/0/0 Approved at 10:20.

5.08 – Empty Agenda Item

5.09 – 802 Standards Distribution Program – Walker

Carlo presents results of survey taken at March meeting. Describes meetings held between LMSC members and IEEE staff to develop the proposal.

Jerry Walker presents standards delivery proposal.

(see file walker.pdf)

SEC business meeting 5:00 to 6:00 pm Monday afternoon to discuss and refine proposal in Palmero Board Room.

Marks expresses concern that a $100K contribution from 802 may not be within scope of our rules. May need a rules change.

Walker will provide a letter to Bob Grow concerning establishment of an escrow account.

IEEE 802 Standards Availability Principles - Survey(3/00)

- In order to understand view of this program, the following questions are being asked of 802 membership:

- 1) Would you consider to offset the IPF fees and contribute the $100 per meeting to initiate this program (No net fee change)?

- 2) Would you consider soliciting your company to be an 802 sponsor for this program for about $10K per year,

-

  –   1   2

	1		2	
	YES	NO	YES	NO
802.1	11	1	9	2 +4NA
802.3	70	5	23	38
802.11	43	1	22	11
802.15	23	0	2	17
802.16	49	0	19	15

Jim Carlo - IEEE 802 Chair   July-2000

IEEE802
July Plenary
La Jolla, CA

Jerry Walker IEEE-SA
July 2000

Background
Over a century of IEEE standards activity

1890 Established the Henry -practical unit of self-induction

1898 First dedicated effort toward the standardization of

electrotechnology in the US

1912 The Institute of Radio Engineers formed its first standards   committee

1958 Joint Standards Committee of AIEE and IRE

1963   Merger of AIEE and the IRE

1973   Establishment of the IEEE Standards Board

1998   The IEEE Standards Association (IEEE-SA)

2001   IEEE-SA delivers 802 standards at no charge

3

IEEE802 e-Standards Delivery

- IEEE802 and IEEE-SA would like to see individual 802 standards available world-wide w/o emcumbrances

- To do so requires costs to be offset by other income sources

- IEEE802 and industry benefiting should support

IEEE802 e-Standards Delivery

- Begin
  - IEEE802 fund (seed) $100,000 annually designated for this sole purpose
  - IEEE-SA solicit industry at levels below
    - Initiator Sponsor $100,000 one time
    - Initiator Supporter $50,000 one time
    - Sponsor $25,000 annually
    - Supporter $1,000 - $10,000 annually

IEEE802 e-Standards Delivery

Initiator Sponsor	Enterprise All Sub.- Lifetime	Platinum Graphic	Large icon link
Initiator Supporter	Enterprise All IT Sub. - Lifetime	Gold Graphic	Smaller icon link
Sponsor	Ten-user Sub.- annual	Silver Graphic	Text link
Supporter	Single-user Sub.-annual		Recognition list

Mock-Up: Standards Sponsorship Site Layout

IEEE802 e-Standards Delivery

- Start
  - Upon IEEE802 approval and support
    - Fund
    - Committee
    - Members as resource to companies solicited
  - Solicitation package available
    - Cover letter
    - Proposal
    - Reply form

IEEE802 e-Standards Delivery

- Monitor
  - Mailing 30 August
  - Graphic element 30 September
  - Evaluation November plenary
  - Acknowledge contributions December
  - Available 1 January 2001
  - Re-evaluate July 2001 plenary

IEEE802 e-Standards Delivery

- Contingencies
  - Less than 60% support; re-canvas and delay start
  - Less than full, more than 60% support; begin
  - More than full support; identify other services for IEEE802

5.10 Liaison Process (Other SDO, Gov, Regulatory, International) – Carlo

Carlo recaps standards board procedure for position statements.

(see file item5_10n5_11.pdf)

5.11 Procedure for Position Statement Production - Hayes

Vic presents several slides on Liaison Processes and Procedures.

(see file item5_10n5_11.pdf)

5.12 Break

Liaison Processes and Procedures

Jim Carlo and Vic Hayes

IEEE
802

Jim Carlo - IEEE 802 Chair   July-2000

5.1.4 Position statements on standards to legislative bodies, government agencies, and international organizations

As stated in the *IEEE Policy and Procedures*, the Institute recognizes the need for public statements on topics within the scope and purposes of the IEEE. Each IEEE Standards Sponsor shall have policies and procedures in place concerning the creation and handling of position statements on standards prior to sending any such statements to any governmental body. These procedures should state a means for determining a Sponsor position and a methodology for presentation of position statements.

Each position statement shall clearly state the group forming this position in its opening paragraph. Electronic copies of all position statements shall be sent to the Secretary of the IEEE-SA Standards Board, who shall forward such statements to appropriate entities within the IEEE. A consolidated listing of all such position statements shall be maintained on the IEEE Standards website. The rules in Section 15 of the *IEEE Policy and Procedures* shall be followed in developing Sponsor procedures.

If the Sponsor wants to create an entity position statement on standards that represents the viewpoint of the IEEE Standards Association, the rules in the *IEEE Standards Association Operations Manual* shall be followed. If the Sponsor wishes to go to another IEEE entity (as defined in Section 15 of the *IEEE Policy and Procedures*) to have that entity offer a position statement on a nonstandards matter, they shall do so after agreement from the IEEE-SA Standards Board and after informing the IEEE-SA BOG.

RATIONALE: The proposed text addresses the need to include guidance on the issuance of policy statements from IEEE Standards Sponsors. If approved, IEEE Standards Staff will publicize this process to Standards Sponsors to ensure that these Sponsors address this new process in their procedures. Sponsor implementation within their policies and procedures needs to occur within six months after Standards Board approval.

Procedure 3 PROCEDURE FOR COORDINATION WITH OTHER STANDARDS BODIES

- All communications with standards bodies outside of LMSC that are not "Information Only" shall go through the Executive Committee. All communications with standards bodies outside of LMSC that are "Information Only" can go directly to the standards body with a copy to the LMSC Recording Secretary. (CHAIR TO BE CC:d ON **ALL** DOCUMENTS)

- All communication with government agencies or regulatory agencies shall go through the Executive Committee. (NEW IEEE OM RULES DRAFT- IS THE SEC A TECHNICAL OR PROCEDURAL REVIEW?)

- Communication between Working Groups and TAGs shall go through the Chair of the Working Group or TAG.

- Official communication with ASC X3 shall be sent to the X3 Secretariat Director, with a copy to the LMSC Liaison Representative.

- Official communication with ECMA shall be sent to the ECMA Secretariat, with a copy to the ECMA Liaison to LMSC.

- All communications shall either be sent under the signature or with the approval of the LMSC Chair. (WG CHAIR CAN SIGN DOCUMENT, I WANT TO SEE BEFORE SUBMISSION)

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

IEEE 802

Jim Carlo - IEEE 802 Chair   July-2000

SECTION 15 - IEEE POSITION PAPERS, ENTITY POSITION STATEMENTS, AND TESTIMONY BEFORE GOVERNMENT BODIES

- **Objectives.** Where it is apparent that a significant number of members hold a minority, but deeply felt, view on an issue, this fact should be recognized and taken into account in developing positions or testimony. The determination of "significant number" and "deeply felt" in such cases is not quantified in this policy statement.

- **Preparation.** The subject of the Entity Position Statement lies within the purposes of the IEEE as set forth in the IEEE Constitution, Bylaws, or Policies and Procedures.

- The subject of the Entity Position Statement lies within the approved scope of the entity developing and issuing the Entity Position Statement.

- The identity of the entity issuing the statement is clearly specified in the text of the statement and the statement is signed and dated by the highest officer of that entity or, in the case of his unavailability, by a responsible officer acting in his name.

- The entity shall send a copy of the Entity Position Statement to the IEEE Executive Director, upon issuance, where a consolidated listing of all such statements will be maintained.

SECTION 15 - IEEE POSITION PAPERS, ENTITY POSITION STATEMENTS, AND TESTIMONY BEFORE GOVERNMENT BODIES

- **Approval.** An Entity Position Statement may be issued when either of the following two conditions is met:
  - A. The Entity Position Statement has been approved by a majority vote of that entity at a meeting at which business may be conducted.
  - B. The Entity Position Statement has been approved by a 2/3 vote of the AdCom, OpCom, or other formally constituted management group of the entity.

Considering that:

- · paragraph 5.1.4 of the IEEE SA Standards Board Operations Manual, requires that each entity shall have policies and procedures in place concerning the creation and handling of position statements prior to sending any such statements to any governmental body
- · The IEEE policy and procdures manual define the rules for entity position papers in SECTION 15 - IEEE POSITION PAPERS, ENTITY POSITION STATEMENTS AND TESTIMONY BEFORE GOVERNMENT BODIES.
- · IEEE objectives are best pursued when concerted, consensus positions can be articulated, through the inclusion of the encouragement of participation of multiple entities in the development of position statements.
- · Minority positions need to be documented in cases where it is apparent that a significant number of members hold a minority, but deeply felt view. (The determination of "significant number" and "deeply felt" need not be quantified in the entity policy and procedures)

Concludes

- New Rules within the IEEE, IEEE-USA and IEEE SA require that we document our rules (Policy and procedure) regarding the preparation of sending position statements to government bodies
- Wide consensus is encouraged
- Minority reports need to be taken into consideration

IEEE 802

Jim Carlo - IEEE 802 Chair   July-2000

What is needed for LMSC

- Changes to the LMSC Operating Rules to comply with the new rules for Entity Position Statements

- 1. Add a scope statement just before clause 1. Overview

- 2. Change Procedure 3 "PROCEDURE FOR COORDINATION WITH OTHER STANDARDS BODIES" by removing paragraph 2: "All communication with government agencies or regulatory agencies shall go through the Executive Committee."

- 3. Add a new procedure 10

Proposed SCOPE for LMSC

- The scope of IEEE LMSC is to develop Standards and Recommended Practices in the area of Personal, Local and Metropolitan Area Networks.

- In addition, the scope of LMSC is to promote the standards development and maintenance as well as the availability of appropriate radio spectrum through the submission of Position or Liaison Statements or through joint participation with other standards bodies and with regulatory bodies worldwide.

Procedure 10.Procedure for submitting entity Position Statements

- Scope of Position statements
  1. Position statements from LMSC or from its subordinate entities shall be within the scope of LMSC or the subordinate entity submitting the position statement
  2. Definition of entities
  Working Groups and Technical Advisory Groups are entities within LMSC authorized to develop and submit entity position statements.

3. Rules for approval of position statements

- Approval of position statements by an entity within LMSC shall be by a majority vote of a duly convened meeting of that entity, according to its own voting rules regarding membership status, action approval rules and quorum.
  4. Entities within LMSC can provide a mandate to a committee consisting of at least 3 voting members, mentioned by name, and as many other individuals that want to participate to develop and approve a position statement. Approval shall be by majority vote of the voting members present at he meeting, provided the mentioned voting members are present. If not all mentioned members were present at the vote on the meeting, a 10 day e-mail ballot shall be conducted on a motion containing the proposed position statement and the tally of the vote to approve the position statement. The ballot is valid if 50 % of the voting members returned their vote. The motion is adopted by a majority vote, ignoring the abstentions.

Jim Carlo - IEEE 802 Chair   July-2000

5. Announcement of plan for development of Position Statements

- As a courtesy, an entity developing an entity statement, announces the meeting at least 10 days before the meeting (face-to-face, tele-conference or e-mail) date on their web-site and via a special e-mail distribution list. The announcement should specify the scope of the possible entity position and what body will receive the position statement.

6. Procedure for inclusion of third entity's positions

- Third entities that have an interest in the development of an entity statement, and that have made known to the Chair of the entity that made the announcement, 5 days prior to the announced meeting, can be represented by an officer of the interested entity at the meeting, so the logistics can be made. 7. After approval of an entity position statement at a meeting, but before adjournment, an officer of a third entity can ask for inclusion of a possible statement of support or a minority report. If such a request has been made, a period of 20 days (can be parallel to the e-mail letter ballot for approving a position statement) shall be permitted for that entity (or entities) to either submit a statement of support or provide a short minority report (maximum 5 % of the size of the actual position statement). The minority report or support statement shall contain the tally of the vote of the submitting entity and the minority report or support statement shall be signed by the highest officer, or his official substitute, of the supporting/dissenting entity. The entity or entities that sign the position statement shall add the statement of support or minority report to the position paper.

8. Contents of the Position Statement

- The identity of the entity or entities issuing the position statement shall be clearly specified in the opening paragraph of all position statements. If the position statement is not approved by unanimity, the actual tallies for the approval of the position statement shall be provided in a footnote on the first page.
  The Position statements are signed by the highest officer of the entity (or the highest officers of the entities) that approved the Position statement.
  If a third entity has provided a statement of support or a minority report, the position statement shall contain the statement of support or the minority report.

9. Distribution of Position Statements

- Approved position statements shall be forwarded to the addressed body and to the IEEE-SA staff for posting on the IEEE-SA Regulatory WEB page. IEEE Staff is also responsible for forwarding the position statements to the IEEE Executive Director (according to IEEE P&P 1.3 E) and to the relevant Regional board (according to for example clause 7.7 point 2 of the IEEE-USA 2000 Operations Manual).
  10. Posting of Position Statements

- Approved position statements shall be posted on the LMSC web site for at least 5 years.

11. Procedure for preparing statements of support or minority reports to other entities

- If an officer of an LMSC entity is aware of the development of an entity position statement at another entity that would be within the scope of LMSC and he feels that a statement of support or a minority report would possibly be required he ensures that the highest officer of an appropriate entity announces participation at the entity position statement development meeting, participates and uses his right for requesting inclusion of a statement of support or for a minority report if so required. Said officer makes an announcement for an approval meeting at least 10 days before the meeting, indicating the scope of the position statement and which body will receive the position statement. After the third entity has approved their position statement, the officer distributes the statement, together with a proposal for a statement of support or a minority report on the web site and via the e-mail reflector, requesting for a discussion before the meeting. At the meeting the final version will be made and sent out for 8 day letter ballot. If approved, the officer ensures that the statement of support or the minority report is made available for inclusion in the third entitiy's position paper.

Jim Carlo - IEEE 802 Chair   July-2000

5.13 Networking 802 Meetings – Nikolich

Continuing work that Stuart Kerry started. Work has been handed over to representatives from 802.16.

Nikolich wants to host server in Piscataway.

Meeting Wednesday afternoon from 5:00 to 6:00 pm to discuss networking services for 802.

5 ### 5.14 Database update status – Rigsbee

Trying to set up a means of doing on web registration system. This will drive the database update. Need Bob Grow to contact bank to identify credit card clearing process.

5.15 Empty Agenda Item

5.16 Maintenance PAR for 802.3 – Thompson

10 Will be presented Thursday. Will it be a corigenda or revision? TBD, will be defined by Thursday.

5.17 JTC1 – IPF Update – Carlo

(see file carlo.pdf)

We have to send one last check to support JTC1.

Since 802 is a direct liaison to SC6, Carlo says we don't need to have the US TAG support us. Thompson thinks that we still need
15 US TAG support for comment resolution. Carlo expects that we will need to contribute $10 to $15 K for 2001, and zero for 2002.

JTC1 - IPF Update

- US holds JTC1 Secretariat and several other Secretariats
  - Cost to ANSI is about $300K/yr
- Formerly IPF voluntary assessment broken and now obsolete
- New Model for Funding
  - Increase JTC1 TAG allocation by 50%
  - Direct assessment to specific TAGs with JTC1
  - IEEE Bill for year 2001 is $33K
    - SC6/WG1, SC22/WG15, SC36, SC7
    - POSIX to be billed from NCITS Separately
- Summary Actions from IEEE-SA BOG
  - Determine rationale for $33K assessment for 2001. Who else pays?
  - CS SAB and IEEE-SA will set fair allocation to IEEE 802 for 2000

5.18 New PAR 802.11 High Rate (b) –Kerry

MAC unchanged. Will be back compatible with existing dot11b. Will present new PAR by Thursday.

5.19 802.11d to Sponsor Ballot – Kerry

Will present motion on Thursday to send dot11d to sponsor ballot.

5   **5.20 RPRSG ECSG Report – Takefman**

(see file rprsgmonsec.ppt)

RPRSG ECSG Status

July 10, 2000 SEC Meeting

Mike Takefman

Resilient Packet Ring Study Group

- **2 Fiber LAN/MAN/WAN shared access rings scalable to multiple Gb/s**

- **Tutorial and Call for Interest yielded**

    33 individuals representing 14 organizations interested in working on a standards project.

- **RPRSG ECSG created at March 2000 Plenary**

RPRSG Interim Meeting

- **May 22/23, 2000 in Reston Virginia**

- **26 individuals representing 13 organizations participated**

  1 network operator;
  6 system vendors;
  3 silicon vendors;
  3 other

What Happened

- ## 5 presentations

    multiple MAC protocol proposals

- ## Editing of Draft 5 Criteria and PAR

    determined more work needed in 802 compatibility section (criteria 2)

- ## Discussion of Requirements of RPR

- ## Creation of work items for July Plenary

What is Planned

- **Meeting Tuesday/Wednesday/Thursday**

- **12 technical presentations**
  2 from end users
  7 from 5 system vendors

- **Complete editing of 5 Criteria and PAR**
  discuss 802.1D/F/Q compatibility

- **Scheduling of Interim Meeting**

  assign additional work items

What is Planned

- **Request extension of RPRSG until November Plenary and publish 5 Criteria and PAR 30 days prior to November meeting**

5.21 RAC Meeting – Thompson

This is an activity that is independent of 802. The RAC provides oversight on registration of items. Meeting Tuesday from 3:00 to 6:00 pm. Main item of interest to 802 members is the use of EUI-64 versus 48.

5.22 Tutorial Schedule & Wednesday Social – Rigsbee

5   Editor's session to be held Tuesday 6:00 to 8:30 pm. Presented by Greg Kohn and Jennifer Longman. Editors invited, bring laptops with Framemaker installed. This will be an intense session, for editors only.

5.23 Meet with the IEEE-SA Standards Board in March, 2001 – Rigsbee

Rigsbee presents future meeting schedule.

Grow notes that we need to work on overflow arrangements earlier.

10   There was a discussion of interim meeting arrangements. Rigsbee asks that WG chairs discuss the possibility of 802 providing meeting planning services for interim meetings.

5.24 Meeting Fee Waivers – Carlo

Steve Kahofer – Balloting Center Manager

Greg Kohn – Editor (tutorial)

15   Jennifer Longman – Editor (tutorial)

Denise Pribula – 802 Liaison

Jerry Walker – Business Development

Anita Ricketts – RAC meeting

Tom Kurihara – ITS

20   Steve Villani – RAC meeting

Mart Molle – (for RAC meeting, technical consultant)

The SEC meeting adjourned at 10:34 am.

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

Monday, July 10, 2000 - 11:00 a.m.

Hyatt Regency, La Jolla, CA

1. MEETING CALLED TO ORDER

5   Jim Carlo called the meeting to order at 11:00 am. Annouces that there will be no Friday Closing Plenary Meeting.

11:00 Welcome and Review on SEC Meeting – Carlo

(see file carlo.pdf)

Carlo recaps organization of 802, relationship to IEEE SA, Patent Policy.

IEEE802 Monday Plenary Agenda

- 11:00   Welcome and Review of SEC Meeting   Carlo
- 11:05   IEEE Standards Availability   FrazierWalker
- 11.10   Voting Rules and IEEE 802 Operating Rules   Nikolich
- 11:13   Treasurer's Report   Grow
- 11:18   Regulatory Ombudsman   Hayes
- 11:20   IEEE Project Editors Status Report   Pribula
- 11:25   802.1 Management/VLANs   Jeffree
- 11:30   802.3 CSMA/CD   Thompson
- 11:35   802.5 Token Ring - To Be Hibernated   Love
- 11:37   802.8 Fiber Optic TAG - To Be Disbanded   Carlo
- 11:38   802.11 Wireless   Kerry
- 11:43   802.14 CATV Modem - To Be Disbanded   Russell
- 11:44   802.15 WPAN   Heile
- 11:49   802.16 BWA   Marks
- 11:54   Exec SG - Resilient Packet Ring (PRSG)   Takeman
- 11:58   Tutorials, Meeting Arrangements   Rigsbee
- 12:00   ADJOURN

IEEE 802

http://www.ieee802.org

IEEE 802 ORGANIZATION

LMSC SPONSOR

CHAIR
Jim Carlo

WORKING GROUP CHAIRS

EXEC OFFICERS

802.1 **BRIDGING/ARCH** **Tony Jeffree**	**802.3** **CSMA/CD** **Geoff Thompson**

Active

VICE CHAIR **Paul Nikolich**	**RECORDING SEC** **Howard Frazier**

802.5 **TOKEN RING** **Bob Love**	**802.8** **FIBER TAG** **Chip Benson**	**802.11** **WIRELESS** **Stuart J. Kerry**

Active

EXECUTIVE SEC **Buzz Rigsbee**	**TREASURER** **Bob Grow**

802.14 **CABLE-TV** **Robert Russell**	**802.15** **WPAN** **Bob Heile**	**802.16** **BBAS** **Roger Marks**

802.10
SECURITY
Ken Alonge

Hibernation

802.2 **LLC** **Dave Carlson**	**802.4** **TOKEN BUS** **Paul Eastman**	**802.6** **DQDB WAN** **Jim Mollenauer**	**802.7** **BROADBAND** **(802.14 Res)**	**802.12** **DEMAND PRIORITY** **Pat Thaler**	**802.9** **ISLAN** **Dhad. Vaman**

IEEE
802

Jim Carlo - IEEE 802 Chair   July-2000

IEEE STANDARDS ASSOCIATION

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| SUPPORT |
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IEEE 802

SPONSOR

US TAG

CHAIR

SEC (17)

VOTING MEMBERSHIP (500)

**ISO/IEC
JTC1/SC6**

IEEE
802

Jim Carlo - IEEE 802 Chair   July-2000

Jim Carlo - IEEE 802 Chair

- EMAIL: jcarlo@ti.com
- Phone: 214-693-1776 (Cellular)
- Fax: 214-853-5724
- Texas Instruments, Dallas, TX

- Goals for IEEE 802 - 2000
  - 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.

Patents -IEEE-SA Standards Board Bylaws (Oct 1999)

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

6.3 Patents

The patent policy is set forth in clause 6 of the *IEEE-SA Standards Board Bylaw*s. 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 2000)

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."

IEEE 802

Jim Carlo - IEEE 802 Chair   July-2000

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.

11:05 IEEE Standards Availability – Frazier/Walker

Frazier recaps results of the survey that was taken in March, 2000

Walker recaps contribution levels and benefits.

Floyd Ross asks whether both an 802 contribution and other sources of funding are necessary?

5   Carlo answers yes. The 802 contribution would be a seed to kickstart the program.

IEEE 802 Standards Availability Principles - Survey(3/00)

- In order to understand view of this program, the following questions are being asked of 802 membership:

- 1) Would you consider to offset the IPF fees and contribute the $100 per meeting to initiate this program (No net fee change)?

- 2) Would you consider soliciting your company to be an 802 sponsor for this program for about $10K per year,

-

	1		2	
	YES	NO	YES	NO
802.1	11	1	9	2 +4NA
802.3	70	5	23	38
802.11	43	1	22	11
802.15	23	0	2	17
802.16	49	0	19	15

Jim Carlo - IEEE 802 Chair   July-2000

IEEE802
July Plenary
La Jolla, CA

Jerry Walker IEEE-SA
July 2000

Background
Over a century of IEEE standards activity

1890 Established the Henry -practical unit of self-induction

1898 First dedicated effort toward the standardization of

electrotechnology in the US

1912 The Institute of Radio Engineers formed its first standards   committee

1958 Joint Standards Committee of AIEE and IRE

1963   Merger of AIEE and the IRE

1973   Establishment of the IEEE Standards Board

1998   The IEEE Standards Association (IEEE-SA)

2001   IEEE-SA delivers 802 standards at no charge

IEEE802 e-Standards Delivery

- IEEE802 and IEEE-SA would like to see individual 802 standards available world-wide w/o emcumbrances
- To do so requires costs to be offset by other income sources
- IEEE802 and industry benefiting should support

IEEE802 e-Standards Delivery

- Begin
  - IEEE802 fund (seed) $100,000 annually designated for this sole purpose
  - IEEE-SA solicit industry at levels below
    - Initiator Sponsor $100,000 one time
    - Initiator Supporter $50,000 one time
    - Sponsor $25,000 annually
    - Supporter $1,000 - $10,000 annually

IEEE802 e-Standards Delivery

Initiator Sponsor	Enterprise All Sub.-Lifetime	Platinum Graphic	Large icon link
Initiator Supporter	Enterprise All IT Sub. - Lifetime	Gold Graphic	Smaller icon link
Sponsor	Ten-user Sub.-annual	Silver Graphic	Text link
Supporter	Single-user Sub.-annual		Recognition list

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-Technical Issues

Help

-E-Mail Contact

Account Maintenance

-Change Password

LAN/MAN Standards List

Below is the list of 802 standards number. Note: Only LAN/MAN Plus subscribers will be able to access unapproved drafts.

Terms of Use
Click here for Errata.

LAN/MAN (802) Approved Standards

Overview & Architecture

802-1990	Overview and Architecture

LAN/MAN Bridging & Management (802.1)

802.1D, 1998 Edition/ISO/IEC 15802-3:1998	MAC Bridges
802.1F-1993	Common Definitions and Procedures for IEEE 802 Management Information
TR11802-5:1997 (IEEE 802.1H)	Technical Report and Guidelines--Part 5: Media Access Control (MAC) Bridging of Ethernet V2.0 in Local Area Networks
802.1J-1996	Managed Objects for MAC Bridges
15802-2-1995	LAN/MAN Management
15802-4-1994	System Load Protocol
ISO/IEC15802-5:1998 (IEEE 802.1G, 1998 Edition)	Remote Media Access Control (MAC) bridging

Our appreciation to the following 802 standards sponsorers.

IBM.

UNISYS
We eat, sleep and drink this stuff.

Lucent Technologies
Bell Labs Innovations

Graphic w/ live links

Company X
Company Y
Company Z

And our thanks to ....

Organization A
Organization B
Organization C

Live Links

No Link

Mock-Up: Standards Sponsorship Site Layout

IEEE802 e-Standards Delivery

- Start
  - Upon IEEE802 approval and support
    - Fund
    - Committee
    - Members as resource to companies solicited
  - Solicitation package available
    - Cover letter
    - Proposal
    - Reply form

IEEE802 e-Standards Delivery

- Monitor
  - Mailing 30 August
  - Graphic element 30 September
  - Evaluation November plenary
  - Acknowledge contributions December
  - Available 1 January 2001
  - Re-evaluate July 2001 plenary

IEEE802 e-Standards Delivery

- Contingencies
  - Less than 60% support; re-canvas and delay start
  - Less than full, more than 60% support; begin
  - More than full support; identify other services for IEEE802

11:10 Voting Rules and 802 Operating Rules – Nikolich

Nikolich asks how many attendees are new. About 2/3s of the room raises their hands. Wow!

11:13 Treasurer's Report – Grow

Attendance is higher at this meeting. Our budget surplus is growing. Plan is to apply the surplus to making 802 standards freely available.

(see file montreasrep.pdf)

IEEE Project 802
Statement of Operations
Nov 1999 Meeting

				Actual	Budget
open	**7 Nov 1999 Operating Reserve**			**66,296**	

Nov 1999 Meeting Income:				*Actual*	*Budget*
151 Registrations@	$300	45,300			
321 Registrations@	$250	80,250			
Registrations@	$100	0			
Subtotal		**125,550**		125,550	112,625
Deadbeat Registrations				600	0
Bank Interest				213	200
Other				475	0

				Actual	Budget
plus	**TOTAL Income**			**126,838**	112,825

Nov 1999 Meeting Expenses:	Actual	Budget	
Audio Visual Rentals	**6,863**	6,000	
Bank Charges	**1**	25	
Copying	**4,818**	6,390	
Credit Card Discounts	**3,364**	3,277	*
International Program Fee	**22,200**	38,300	*
Meeting Administration	**36,547**	32,166	*
Phone & Electrical	**986**	900	
Refreshments	**25,626**	16,188	
Shipping	**4,025**	4,500	
Social	**23,411**	15,000	
Supplies	**5**	0	
Other	**2,806**	0	

		Actual	Budget
minus	**TOTAL Meeting Expense**	**130,652**	122,746

		Actual	Budget
minus	**Equipment Expense**	**22,482**	21,000

equals	**Mar 2000 Operating Reserve**	**40,000**	

	Net Change in Operating Reserve	**(26,296)**	(30,921)

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

11:18 Regulatory Ombudsman – Hayes

(see file regmonplen.pdf)

Regulatory Ombudsman

- New function in the Sponsor Executive Committee

- Vic Hayes (vichayes@lucent.com)

- To provide guidance and support for submissions to regulatory bodies

  - New Rules within the IEEE, IEEE-USA and IEEE SA require that we document our rules (Policy and procedure) regarding the preparation of sending position statements to government bodies
  - Wide consensus is encouraged
  - Minority reports need to be taken into consideration

Formalisation of rules

- First task is to update the IEEE 802 rules
  - activity to be done in SEC first
  - may have to be recognised in WG rules
- Web page
  - will have URL www.ieee802.org/Regulations
  - archive of submitted Position Stataments
  - announcements for development of new positions statements
  - e-mail distribution list for announcments

Meeting Schedule

- To review the first proposal for the rules change in SEC
- Tuesday, 1 PM. Palmero Boardroom
- Other meetings in 802.11
  - Tuesday, 8:30-10:00, Palatine B
  - Wednesday, 8:30-10:00, Palatine B
  - Wednesday, 4:00-5:00, Palatine B

11:20 IEEE Project Editor's Status Report – Pribula

Greg Kohn, IEEE Publications Administrator, recaps current status of recently published 802 standards

802.3ad-2000 – Published

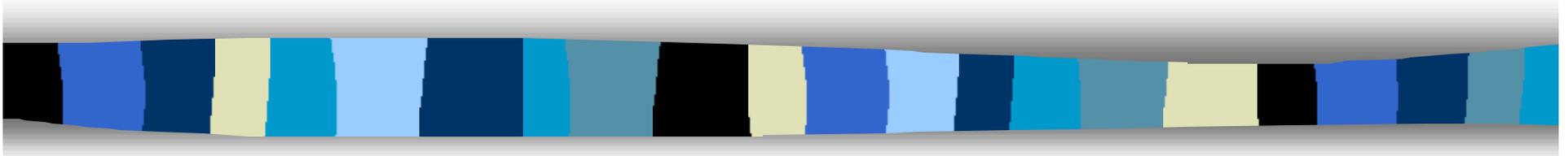802.5w-2000 - Edit (due in August)

5   802.3 2000 Edition - In production, due in September 2000
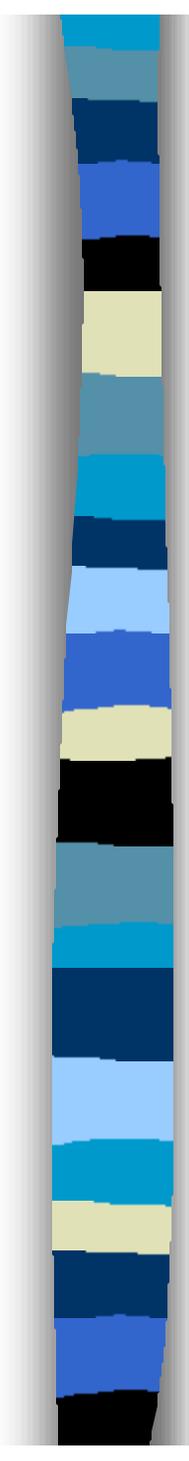
802.15 preliminary editing

11:25 802.1 Management/VLANs – Jeffree

(see file dot1monplen.pdf)
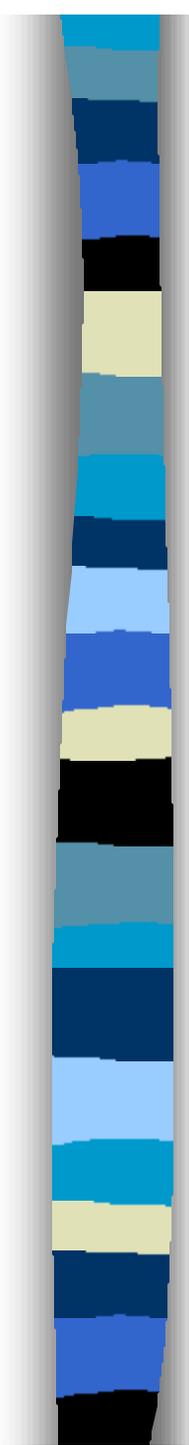
802.1 - Activities & status

Tony Jeffree

10th July 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.ieee.org/groups/802/1/

Status of current projects - (1)

- Standard 802 revision (Overview & Architecture)
  - Awaiting Sponsor confirmation ballot
- P802.1s - Multiple Spanning Tree support in VLANs
  - Resolution of task group ballot comments on Draft 6
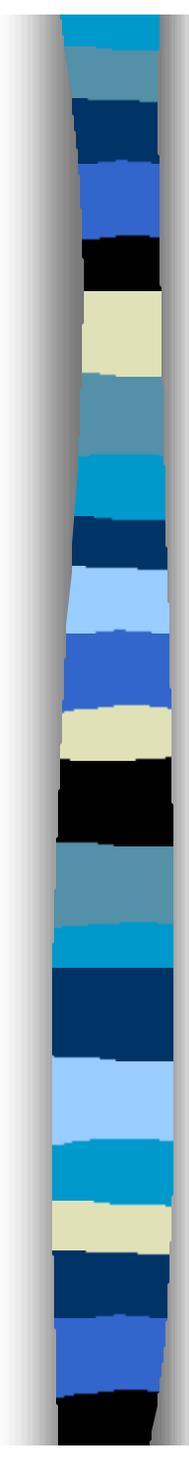
Status of current projects - (2)

- P802.1t - Tech & ed corrections to 802.1D MAC Bridges
  - Resolution of confirmation ballot comments on Draft 7
- P802.1u - Tech & ed corrections to 802.1Q VLANs
  - Resolution of confirmation ballot comments on Draft 6
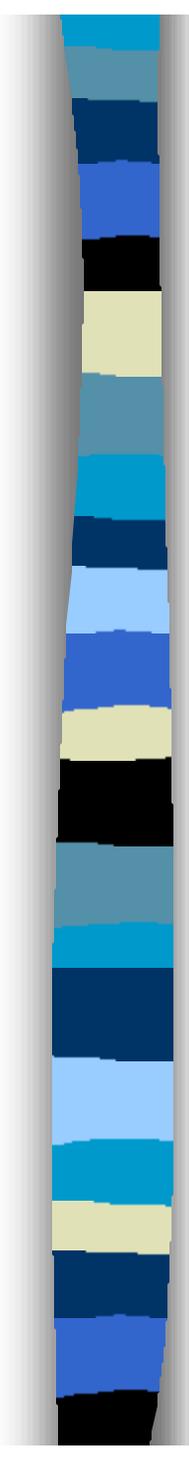
Status of current projects - (3)

- P802.1v - VLAN classification by protocol and port
  - Resolution of Working Group ballot comments on Draft 3
- P802.1w - Rapid Spanning Tree reconfiguration
  - Resolution of task group ballot comments on Draft 5
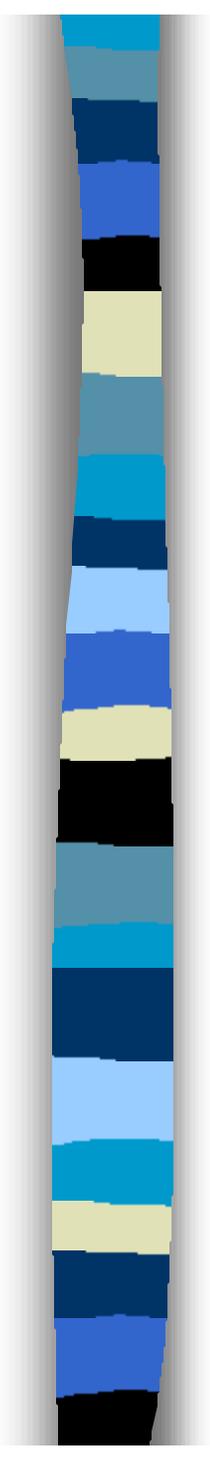
Status of current projects - (4)

- P802.1X - Port based network access control
  - About to issue Confirmation Ballot - Draft 6

11:30 802.3 CSMA/CD – Thompson

(see file dot3monplen.pdf)

Thompson also mentions that the group will be initiating a maintenance PAR at this meeting, and sending 1802-3 to Sponsor Ballot.

5   Thompson, Haddock, Jeffree and Siefert presented with awards for the publication of 802.3ad.

802.3 CSMA/CD Working Group Status

- ## Major Activities:
  - P802.3ad/Link Approved At Stds Bd
    - PDF is published, Book at printer
  - P802.3ae10 Gigabit Ethernet TF
    In the middle of tech. work
  - P802.3af DTE Power via MDI
    In the middle of tech. work
  - Std. 1802.3Rev., Conformance Test
    Working Group Ballot closing
  - Liaison reports

802.3 Standard Status

- ## Published (Print & PDF)
  - IEEE Std. 802.3 1998 Edition
  - IEEE Std. 802.3ac-1998 VLAN Tag Supplement
  - IEEE Std. 802.3ab-1999 1000BASE-T Supp.
- ## Published (PDF)
  - IEEE Std. 802.3ad-2000 Link Aggregation Amendment

802.3 CSMA/CD Working Group Officers

- 802.3 Chair: Geoff Thompson (gthompso@nortelnetworks.com)
- 802.3 Vice Chair: David Law (davel@pdd.3Com.com)
- 802.3 Secretary: Bob Grow (bob.grow@intel.com)
- 802.3ad, Link Aggregation: Steve Haddock (shaddock@extremenetworks.com)
- 802.3ae 10 Gig E′net:Jonathan Thatcher (jonathan@worldwidepackets.com)
- DTE Power via MDI: Steve Carlson (scarlson@esta.org)

- 802.3 CSMA/CD Web site
  - Information is always available on our web site: http://grouper.ieee.org/groups/802/3/index.html
- WE WILL MEET IN RIGHT SIDE OF THIS ROOM

  START at 1:00 PM

11:35 Token Ring – To Be Hibernated – Love

802.5 has completed most of its work. Went into hibernation this morning. Will not be meeting this week. 802.5v, Gigabit Token Ring, is undergoing a recirculation. Any comments from the recirc will be handled via email discussions.

Neil Jarvis presented with an award for Ammendment to Part 5 – Token Ring.

5   **11:37 802.8 Fiber Optic TAG – To Be Disbanded – Benson**

802.8 FOTAG has gone out of business. The PAR was withdrawn by NesCom and the Standards Board at the June 2000 meeting. SEC will conduct a letter ballot to disband 802.8.

11:38 802.11 Wireless – Kerry

(see file dot11monplen.pdf)

62nd Session of meetings of IEEE P802.11 Wireless Local Area Networks

www.ieee802.org/11

Tentative Agenda

Subject to change by the committee

July 10-14, 2000 La Jolla, CA

The session starts on Monday, July 10th, @ 13:00 h
Dress Code: Casual

Required tool to follow discussions: PC

IEEE P802.11 Officers

Stuart J. Kerry
IEEE
802.11 Chair

Al Petrick
WG Vice-Chair
(Attendance & Voting)

Harry R. Worstell
WG Co-Vice-Chair
(Documentation)

Tim Godfrey
WG Secretary
(Minutes & Reports)

Vic Hayes
WG Parliamentarian

Bob O'Hara
WG Parliamentarian

Victoria M. Poncini
TGb-Cor1 Chair
Corrigendum MIB

Bob O'Hara
TGd Chair
Regulatory Domain
Update

John Fakatselis
TGe Chair
MAC Enhancements
QoS / Security

Dave Bagby
TGf Chair
Inter-Access Point
Protocol

Matthew Shoemake
HRb SG Chair
802.11b SG for
Data Rates >20 Mbit/s

Al Petrick
WG Ad-Hoc
Marketing Chair

Vic Hayes
WG Ad-Hoc
Regulatory Chair

All contact details can be found on the IEEE P802.11 Web Site @ www.ieee802.org/11

Objectives for this Session, 1

- TGb cor-1
  - Report on progress of compilations, & make public notice to IEEE and 802.11 web site

- TGd
  - Resolve any comments from the Letter Ballot, And to send the Draft out for Sponsor Ballot, if required
  - Receive the Japanese Regulations, and International Roaming paper

Objectives for this Session, 2

- TGe Enhanced
  - Continue work on 802.11e MAC Enhancements + Liaisons (i.e. IEEE P1363)
  - Define Functional requirements for TGe
  - Define Evaluation/Testability
  - Receive papers and proposals

Objectives for this Session, 3

- ## TGf IAPP

  - ### Finalize functional requirements

- ## HRb SG

  - ### Continue Functional & Performance Requirements

Objectives for this Session, 4

- Marketing
  - Establish joint meetings with 802.11/15 and possibly 802.16
  - Generate collateral material for 802.11 web site
  - Draft / Press Release for NPRM 99-231

Objectives for this Session, 5

- Regulatory Ad-Hoc
  - Send letters to liaison groups and to regulatory agencies as needed
  - Send a response to ETSI BRAN re. Document 00/129

- 802.11 Rules & Statements WG Ad-hoc

July 10-14, 2000 LaJolla, CA, Agenda

PLENARY	MONDAY		TUESDAY		WEDNESDAY			THURSDAY		FRIDAY
0830-1000	ExCom (0800-1030)		TGf	Regulatory	TGd	HRb SG	Regulatory	TGe	HRb SG	
1000-1030	BREAK									
1030-1200	802 Plenary (1100-1200)		TGf	Adhoc 11/15 Marketing	TGe			TGe		
1200-1300	BREAK									
1300-1500	802.11 Full WG		TGd	TGe	HRb SG	802.11 / 802/15 Joint Meeting		802.11 Full WG		
1500-1530	BREAK									
1530-1700	TGe	HRb SG	TGe	HRb SG	802.11 Full WG (Optional 1/2hr Slot)					
					TGf	Regulatory				
1700-1830	BREAK									
1830-2000	TGe (Optional)	802 Tutorial #1	TGe (Optional)	802 Tutorial #3	Social Evening (1900-2200)			ExCom Meeting		
2000-2130	HRb SG (Optional)	802 Tutorial #2	802 Tutorial #4							
2130-0000										

11:43 802.14 CATV Modem – To Be Disbanded – Russell

802.14 CATV Modem has gone out of business. The PARs were withdrawn by NesCom and the Standards Board at the June 2000 meeting. SEC will conduct a letter ballot to disband 802.14.

11:44 802.15 WPAN – Heile

5   (see file dot15monplen.pdf)
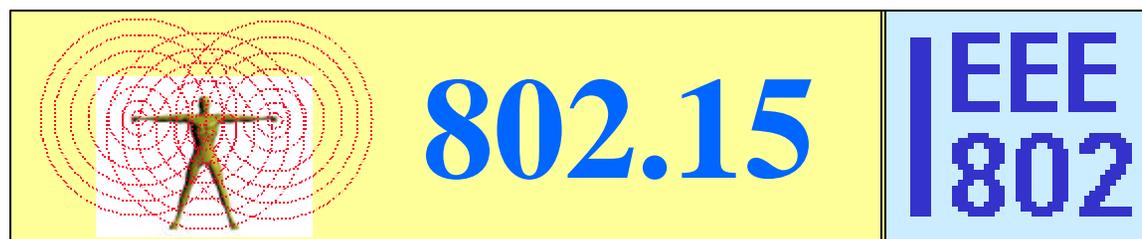
802.15

IEEE 802

7th Session of meetings of the IEEE 802.15 Working Group for Wireless Personal Area Networks

July 10-14, 2000

Hyatt Regency La Jolla

3777 La Jolla Village Drive

San Diego, CA. 92122

Summary of Major 802.15 Activities

- TG1 conducted third letter ballot on draft standard based on Bluetooth spec- currently in comment resolution.

- TG2 Developing Coexistence Model

- TG3 PAR for a High Rate WPAN submitted and approved at Mar SAB.

Objectives of the LaJolla Meeting
July 10-14, 2000

WG: **Call for Interest on Low Rate and SIG Radio2 SGs**

TG1:   **Comment Resolution**

Planning for update to D0.7.2

Begin production of D0.8

Plan for production of D1.0

TG2:   **MAC & PHY Model Presentations.**

Present several detailed PHY Model results.

Present MAC Model results using the PHY Model available results.

Review updated outline of Recommended Practice.

Bluetooth Coexitence Working Group Liaison

Objectives of the LaJolla Meeting
July 10-14, 2000

TG3   **Summarize Conference Call results & vote on acceptance of work**

        Continuation of CFA Presentation

        Continue CFP Presentation

        Initiate subcommittees work to analyze and compare PHY/MAC/Host Radio Interface proposals. ----Also include QOS, Coexistence, Bluetooth and System liaisons.

MC: **Report/Review Seattle action items**

        Review status of ongoing activities

Logistics-Meeting Graphic

TIMES	SUNDAY	MONDAY			TUESDAY		WEDNESDAY		THURSDAY		
07:00-07:30		Advisory Committee							Advisory Committee		
07:30-08:00											
08:00-08:30		TG1	TG3	ExCom	TG1	TG3	TG1	TG3	TG1	TG3	
08:30-09:00											
09:00-09:30											
09:30-10:00											
10:00-10:30		Break			Break		Break		Break		
10:30-11:00		TG1	TG3	802 Opening Plenary	TG1	MC	TG1	TG2	TG1	TG3	
11:00-11:30											
11:30-12:00											
12:00-13:00		Lunch			Lunch		Lunch		Lunch		
13:00-13:30	Optional Meeting Time	802.15 WG Opening			TG1	TG2	TG1	802.11/ 802.15 Joint Meeting	TG1	TG2	
13:30-14:00											
14:00-14:30											
14:30-15:00											
15:00-15:30		Break			Break		Break		Break		
15:30-16:00		TG3			TG1	TG2	802.15 WG		802.15 WG Closing		
16:00-16:30							TG1	TG3			
16:30-17:00									TG3		
17:00-17:30											
17:30-18:30		Dinner			Dinner		Break		Dinner		
18:30-20:00	Ad hoc for SIG2 SG	TG1	Tut1		TG1	TG3	Tut3	Social		TG1	TG3	ExCom
20:00-21:30			TG3-opnet	Tut2			Tut4					

11:49 802.16 BWA – Marks

(see file dot16monplen.pdf)

IEEE 802.16
Working Group on
Broadband Wireless Access
(BWA)

802 Opening Plenary

10 June 2000

11:00 am - 12:00 noon

802.16 Session #8

802.16 Mission

- The IEEE 802.16 Working Group on Broadband Wireless Access Standards is creating the **WirelessMAN™** family of standards for wireless metropolitan area networks

- Mission: "**to develop standards and recommended practices to support the development and deployment of fixed broadband wireless access systems**"

802.16 Growth

- **Attendance**
  - **Nov 1999 107**
  - **Jan 2000   118**
  - **March 2000   126**
  - **May 2000 158 (+ETSI)**

- **Outside Interest: Web File Downloads**
  - **Jan/Feb 2000   174299**
  - **Mar/Apr 2000   244038**
  - **May/Jun 2000   479076**

802.16 Projects

- **802.16.1 (Standard)**
  - Air Interface for Fixed Broadband Wireless Access Systems (10-66 GHz)

- **802.16.2 (Recommend Practice)**
  - Coexistence of Broadband Wireless Access Systems

- **802.16.3 (Standard)**
  - Air Interface for Fixed Broadband Wireless Access
  - Licensed bands, 2-11 GHz

802.16.1

- **Air Interface for Fixed Broadband Wireless Access Systems**

- **10-66 GHz**

  - **Editor: Jim Mollenauer**

  - **PHY Chair: Jay Klein**

  - **MAC Chair: Carl Eklund**

802.16.1 Status

- Following "Development Plan for 802.16.1 Air Interface Standard
- First proposals in November 1999
  - 19 PHY, 15 MAC
- Massive Consolidation:
  - Accepted PHY Proposal at Session #7
    - Two modes; working to unify
  - Single MAC Proposal for Session #8
- Aim to initiate WG Letter Ballot on Thursday

802.16.1 Goals for Week

- Stay on Development Plan
  - Initiative Working Group Letter Ballot
  - Seek approval at Closing Plenary

- Editorial
  - Consolidate PHY & MAC into document

- Validation

802.16.2

- Coexistence of Broadband Wireless Access Systems

- Chair: Leland Langston
- Editor: Rebecca Chan

- To WG Letter Ballot in Nov. 2000

802.16.3

- **Broadband Wireless Access Systems in Licensed Bands from 2 to 11 GHz**
  - PAR approved in March 2000
  - First meeting in May 2000
- **Chair: Brian Kiernan**
- **Vice Chair: Carl Bushue**
- **Secretary: Dean Chang**
- **Functional Requirements**
  - Brian Petry & George Fishel
- **To WG Letter Ballot in July 2001**

802.16 Study Group

- **Wireless High-Speed Unlicensed Metropolitan Area Networks**
- **WirelessHUMAN^{TM}** standard
  - Chartered 9 March 2000
  - To coordinate with 802.11 and 802.15
- Participated in 802.11/802.15 Meeting
  - May 2000
- **Tutorial tonght: 6:30-8:00 pm**
- **Chair: Durga Satapathy**
- **Secretary: Sanjay Moghe**

ETSI BRAN HIPERACCESS

- Co-located meeting with Session #7
  - Two joint meetings, plus committee meetings

- Made an agreement on a process potentially leading to a common standard with 802.16.1

- Still trying to get agreement fully approved

802.16 Session #9

September 11-15, 2000

- Denver, Colorado, USA

- with RAWCON2000
  - IEEE Radio and Wireless Conference

802.16 Officers

- **Chair: Roger Marks**
- **Vice Chair: Lou Olsen**
- **Secretary: Scott Marin**

Resources

- **http://ieee802.org/16**

- **http://wirelessman.org**

- **Reflector**
  - **Sign up on web**
  - **Read archives on web**

11:54 Exec SG Resilient Packet Ring (RPRSG) –Takefman

(see file rprsgmonplen.pdf)

RPRSG Status

802 Plenary

July 10, 2000

Mike Takefman

Resilient Packet Ring Study Group

- **2 Fiber LAN/MAN/WAN shared access rings scalable to multiple Gb/s**

- **http://www.ieee802.org/rprsg**

- **stds-802-rprsg**

- **RPRSG ECSG created at March 2000 Plenary**

RPRSG Interim Meeting

- **May 22/23, 2000 in Reston Virginia**

- **26 individuals representing 13 organizations participated**

- **5 presentations**

  multiple MAC protocol proposals

- **Editing of Draft 5 Criteria and PAR**

Meeting Schedule

- **Meeting Tues/Wed/Thur**

- **12 technical presentations**
  End user requirement
  MAC proposal
  802.1 Compatibility
  Performance Evaluation & Simulation

- **Complete editing of 5 Criteria and PAR**
  discuss 802.1D/F/Q compatibility

11:58 Tutorials, Meeting Arrangements – Rigsbee

12:00 Adjourn

5

The meeting was adjourned at 12:00pm.

Respectfully Submitted,
Howard Frazier
10   Recording Secretary