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

Monday, November 12, 2001 - 8:00 a.m.

Hyatt Regency – Austin, TX.

1. MEETING CALLED TO ORDER

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
Bob O'Hara	- Recording Secretary, IEEE 802 LAN / MAN Standards Committee
Robert Grow	- Treasurer, IEEE 802 LAN/MAN Standards Committee
Tony Jeffree	- Chair, IEEE 802.1 - HILI Working Group
Geoff Thompson	- Chair, IEEE 802.3 - CSMA/CD Working Group
Bob Love	- Chair, IEEE 802.5 - Token Ring Working Group
Stuart Kerry	- Chair, IEEE 802.11 - Wireless LANs Working Group
Bob Heile	- Chair, IEEE 802.15 – Wireless PAN Working Group
Roger Marks	- Chair, IEEE 802.16 – Broadband Wireless Access Working Group
Mike Takefman	- Chair, IEEE 802.17 – Resilient Packet Ring Working Group
Vic Hayes	- Regulatory Ombudsman
Jim Lunsford	- Chair Coexistence Study Group

The meeting was attended by approximately 20 IEEE 802 Working Group members and several IEEE Staff, including Jennifer Longman, Sue Vogel, and Angela Ortiz.

2.00 APPROVE OR MODIFY AGENDA

DRAFT AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING

Monday, November 12, 2001 - 8:00 a.m.

Hyatt Regency, Austin, Texas

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	**DT**	**Schedule for week and Friday Plenary (3pm - 7pm)**	**-**	**Carlo**	**5**	**08:20 AM**
5.01	**DT**	**Status of Std 802**	**-**	**Jeffree**	**15**	**08:25 AM**
5.02	**ME**	**Nominations close for Chair of IEEE 802**	**-**		**0**	**08:40 AM**
5.03	**ME**	**Chair Election Process**	**-**	**Carlo**	**10**	**08:40 AM**
5.04	**ME**	**Remove copyright restriction from the MIB**	**-**	**Hayes**	**5**	**08:50 AM**
5.05	**ME**		**-**		**0**	**08:55 AM**
5.06	**MI**		**-**		**0**	**08:55 AM**
5.07	**MI**		**-**		**0**	**08:55 AM**
5.08	**MI**		**-**		**0**	**08:55 AM**
5.09	**MI**		**-**		**0**	**08:55 AM**
5.10	**MI**		**-**		**0**	**08:55 AM**
5.11	**MI**		**-**		**0**	**08:55 AM**

5.12	**MI**		**-**		**0**	**08:55 AM**
5.13	**DT**	**IEEE Balloting Service - Feedback**	**-**	**Carlo**	**10**	**08:55 AM**
5.14	**DT**	**Complimentary copies of Standards**	**-**	**Carlo**	**10**	**09:05 AM**
5.15	**DT**	**Drafts for sale**	**-**	**Ortiz**	**10**	**09:15 AM**
5.16	**DT**	**IEEE 802 Networking at Meetings**	**-**	**Hayes**	**10**	**09:25 AM**
5.17	**DT**	**Publication options of 802.11 vs. 8802-11**	**-**	**Hayes**	**5**	**09:35 AM**
5.18	**DT**	**Face to Face Contract**	**-**	**Grow**	**5**	**09:40 AM**
5.19	**II**	**802.15.1 to RevCom**	**-**	**Heile**	**5**	**09:45 AM**
5.20	**II**	**802.16 to RevCom**	**-**	**Marks**	**5**	**09:50 AM**
5.21	**II**	**Public Relations Pilot from IEEE**	**-**	**Vogel**	**10**	**09:55 AM**
5.22	**II**	**IEEE 802 Registration Update**	**-**	**Rigsbee**	**5**	**10:05 AM**
5.23	**II**	**802 Standards CD-ROM**	**-**	**O'Hara**	**10**	**10:10 AM**
5.24	**II**	**ATIS/T1**	**-**	**Barclay**	**10**	**10:20 AM**
5.25	**II**	**PARs for review - 802.1**	**-**	**Jeffree**	**5**	**10:30 AM**
5.26	**II**	**P1583 Voting Standard**	**-**	**Longman**	**2**	**10:35 AM**
5.27	**II**	**5GSG Renewal**	**-**	**Kerry**	**2**	**10:37 AM**
5.28	**II**	**Coexistence Study Group**	**-**		**2**	**10:39 AM**
		ADJOURN SEC MEETING	**-**	**Carlo**		**10:30 AM**
6.00	**PL**	**IEEE 802 PLENARY MEETING STARTS**	**-**	**Carlo**	**60**	**11:00 AM**
6.01	**PL**	**IEEE 802 PLENARY MEETING ENDS**				**12:00 PM**

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

Motion to approve agenda

Move/Second: Paul Nikolich/Vic Hayes

9/0/0 Approved at 8:07 am

3.00 Approve minutes of previous meeting

Approved at 8:07 as part of consent agenda

4.00 Treasurer's Report – Grow

Only 1019 attendees from last meeting, instead of 1090 as originally reported. Xerox invoice from a year ago has still not arrived, maybe it will be in my mailbox when I get home. The annual IEEE audit was completed successfully. The only item of contention is that we don't participate in the joint banking program.

IEEE Project 802
Statement of Operations
July 2001 Meeting

July 2001 Meeting Income:		*Actual*	*Budget*	
256 Registrations@ $300	76,800			
763 Registrations@ $250	190,750			
Registrations@ $100	0			
Subtotal	**267,550**	**267,550**	251,750	
Deadbeat Registrations			150	
Bank Interest		**336**	375	
Other		**4,700**	0	
TOTAL Income		**272,586**	252,275	

July 2001 Meeting Expenses:	*Actual*	*Budget*	
Audio Visual Rentals	**7,238**	8,000	
Bank Charges	**3**	30	
Copying	**5,987**	7,600	**
Credit Card Discount	**7,667**	7,049	*
Equipment Expense	**25,406**	8,000	
Get IEEE 802	**78,000**	71,250	
Meeting Administration	**49,291**	55,250	*
Networking	**4,300**	0	
Phone & Electrical	**51**	3,000	
Refreshments	**44,901**	42,750	
Shipping	**775**	3,500	
Social	**22,383**	40,850	
Supplies	**0**	500	
Other	**2,889**	500	
TOTAL Meeting Expense	**248,890**	248,279	

NET Meeting Income/Expense	**23,696**	3,996
Expenses from prior meetings	**118**	
Expenses prepaid for this meeting	**10,955**	
12 Nov 2001 Operating Reserve	**154,730**	

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

* * Operating reserve includes contingent liabilities of ~$9,000. Reserve is less than specified by LMSC Rules Procedure 1.

REPORT OF THE 2000 IEEE 802 LAN/MAN STANDARDS PLENARY MEETINGS (802 LMSC'00) 'AGREED UPON PROCEDURES' AUDIT

DATES: MARCH, JULY AND NOVEMBER 2000

BACKGROND:

IEEE's 802 Local Area Network (LAN) and Metropolitan Area Network (MAN) Standards Committee (802 LMSC), meets three times a year. Meetings are held in March, July and November. Their meetings have been scheduled for these months for the past twenty years. All financial records are based on meeting cycles. The net surplus is applied to the operating reserve for the next meeting.

PURPOSE:

This 'agreed upon procedures' audit was undertaken in accordance with the Memorandum of Understanding, executed by the involved parties, to verify, via a review of underlying documentation, that meeting receipts and disbursements were adequately controlled and reports fairly represent the financial results of each meeting.

SCOPE:

The 'agreed upon procedures' audit examined the financial functions associated with the 802 LMSC '00 meeting from contract review, budget preparation and approval of invoices and distribution of surplus to the next meeting's operating reserves. The primary purpose of the audit

is to verify that there are reasonable controls in place to assure that income and expense items are supported by sufficient documentation and financial reports fairly reflect the results of operations.

APPRAISAL:

The 802 LMSC '00 meeting financial transactions were found to be in compliance with applicable IEEE Policies and Procedures and adequately supported by appropriate documentation, meeting minutes and contracts. The reporting process appears to be well managed.

FINDINGS:

1. Budgeting Process:

The LMSC budget is reviewed and revised at each meeting, based on estimates of attendance for future meetings, provided by the Chair of the working groups. The Treasurer uses these estimates and adjusts them, considering accuracy of previous estimates, meeting site history, and other factors to revise the budget. The budget is used by the Executive Committee to set meeting fees for the next ~~two~~ meetings ~~(e.g., July and November fees are set at the March meeting)~~.

The LMSC rules stipulate that the Treasurer maintain an operating reserve of 75%-100% of the cost of holding a meeting. The operating reserves during '00 were below that amount as reported to the Executive Committee. ~~An~~ The operating reserve ~~is~~ maintained ~~and is~~was considered to be generally sufficient to pay expenses in the event a meeting must be canceled, thus insulating the Computer Society and IEEE ~~sponsor~~ from these potential liabilities. It is also used to average expenses over multiple meetings, thus allowing one meeting to have a deficit and another a surplus. This, in turn, allows meeting fees to remain relatively stable, rather than changing for each meeting. Annual income and expenses are historically close to being equal.

Budgeted revenues for the three meetings in 2000 (March, July and November) were $125,875; $249,057 and $182,600, consecutively. This was compared to actual revenues of $162,335; $230,026 and $249,057, for a variance of 29% for March, 8% for July and 36% for the meeting, held in November 2000. Actual receipts exceeded budget, in part, due to higher than budgeted registrations for the meeting. Budgeted expenses were $105,000; $140,724 and $170,221, compared to actual expenses of $120,509; $181,115 and $187,599, a variance of about 15% for March, 29% for July and 10% for the November meeting. This may also be attributed to the increased number of registrants and associated expenses. (November 2000 registration was almost double November 1999 registration).

The final financial reports were prepared using a combination of spreadsheet and manually updated reports and are mathematically correct.

2. Committee Meeting Minutes:

Committee minutes are made available on the web at http://www.ieee802.org/minutes/index.html.

The meeting minutes for the year outlined the changes in the budget and the reasons therefor. The financial records of the meeting fully support the decisions noted in the meetings minutes. All appeared to be in order.

3. Registration Income:

The IEEE 802 Conference Organizer, from Face to Face Events, Inc., and the Executive Secretary for these meetings handled meeting registration. The process included collection of fees, processing those fees and obtaining administrative and general supplies, when necessary. The results were recorded in the final financial reports. IEEE Operations Audit, using the reports provided, reconciled total registration dollars collected to registration receipts reported in the final financial reports. The registration reports and detail were complete. The registration process was well managed.

4. Bank Reconciliations & Timeliness of Deposits of Funds:

The 802 LMSC working group is self-sustaining through the reserves held in its bank account, which is not closed after each meeting. The Treasurer is the primary recipient of meeting registration funds and receives all advance registrations from the registration consultant, Face to Face Events, Inc.

IEEE Operations Audit verified, through a review of the checking account statements provided, that registration deposits were made on a timely basis. In addition, the checking account was reconciled to the bank statements on a monthly basis. The canceled checks for the accounts were accounted for and traced to the check register.

5. Collection of Credit Card Receipts:

The advance registration process was handled by an IEEE 802 Conference Organizer from Face to Face Events, Inc., and reviewed by the Treasurer. The process included the collection and processing of credit card registrations. Credit card batches were processed electronically by the organizer through American Express Establishment Services and~~American Express Establishment~~US Bank Merchant Services. Batch totals were electronically deposited into the IEEE Project 802 business account. Operations Audit reviewed the credit card reports, the collected receipts, the reconciliation and the bank statement deposit amounts for consistency. No discrepancies were noted.

6. Supporting Documentation for Meeting Disbursements:

To test the adequacy of documentation, supporting the payments made from the meeting's checking account, all transactions over $3,000 were selected for review. In addition, every tenth

transaction from a random starting point was evaluated for adequacy of support. The supporting documents for each of the selected disbursements was reviewed. All appeared to be in order.

The March meeting was held at the Hyatt Regency in Albuquerque, NM; the July meeting was held at the Hyatt Regency La Jolla in San Diego, California and the November meeting was held at the Hyatt Regency Tampa Downtown, Tampa, Florida. The hotel bills were reviewed and approved for payment by the Treasurer of the IEEE 802 LMSC. IEEE Operations Auditing reviewed the services billed by the hotels, and the charges appeared to be in order.

7. Supporting Documentation for Social Function Income and Expenses:

Meeting registration included a ~~luncheon,~~social reception and coffee breaks as part of the registration fee. Social expense bills were reviewed and approved for payment by the meeting's Treasurer. IEEE Operations Audit reviewed the supporting documents for reasonableness. Nothing unusual was noted.

8. Meeting Surplus/Loss Distribution:

The Treasurer has forwarded the final financial reports, to the IEEE Operations Audit Department, for review. Each meeting surplus is added to the next meeting's Operating Reserve. The audit fee has not been paid.

9. Meeting Loans and Advances:

The 802 Meeting process is different from other IEEE meetings, which normally pay off their loans and close their checking accounts. This working group has had a continuing series of meetings, three times per year, for the past twenty years.

Recommendation:

For audit purposes, it is suggested that the IEEE Project 802 only prepare an annual report, covering the period from January through December, including accruals for outstanding items from the current year's meetings. Also, if they are not already doing so, ~~the working group~~LMSC should move their funds into IEEE's concentration banking program. This is a repeat recommendation from last year's audit of the 802 Meeting.

_____
Emily D. Cummings
IEEE Operations Auditor

_____
Kenneth L. Maze

5.00 DT Schedule for week and Friday Plenary (3pm - 7pm) - Carlo 5 08:20 AM

Jim reviewed the schedule and introduced Angela Ortiz, Sue Vogel, and Jennifer Longman from the IEEE staff. Steve Barclay from ATIS/T1 is also attending. Edward Rashbah is acquisitions program manager for IEEE and will be attending later this week.

SEC Friday Meeting
3:00 – 7:00pm

No Thursday Midnight Meeting

Meeting Fee Waivers – Nov2001

- The following fees have been waived for Nov2001 meeting by the chair.

- IEEE-SA Staff Participants
  - Jennifer Longman, Sue Vogel, Edward Rashbah, Angela Ortiz

- ATIS/T1 Staff
  - Steve Barclay

5.01 DT Status of Std 802 - Jeffree 15 08:20 AM

IEEE has identified a problem with clause 5 of the standard during publication. There was a recirculation ballot conducted to approve the change. Two new negative votes were received. The negative ballots were then submitted to the balloting pool. On the second recirculation, six negative votes (four additional) were received. The situation has not yet been discussed with the working group. That will take place this week. We also need feedback from the other working groups on the procedure, as this document affects all other work. I believe that the correct thing to do is to roll back to the original document that was originally approved and have that published with all speed.

Q: The SB minutes seem ambiguous when the document was approved. There was some conditional language about "modification by the IEEE staff" with respect to this issue.

Jim asked Sue Vogel to work with Tony to resolve this issue.

We are going wildly afield here. This is not so. The statement was made that there are options to deal with an approved standard. That is not the case. The only option is to publish. It is appropriate that we do nothing and expect the process to work as advertised.

The PAR was closed with the approval of the document by the SB. The minutes of the SB are not clear. The motion is clear, it is an unconditional approval by the SB and closes out the PAR. The rules as they are stated: there is a comment period, then approval, then no more changes without a PAR. The only way out that I can see is that a protest be filed with the SB on the inaction to publish this standard.

5.02 ME Nominations close for Chair of IEEE 802 - 0 08:34 AM

Nominations are now closed. There is only one candidate nominated at this time: Paul Nikolich. There are no other nominations.

5.03 ME Chair Election Process - Carlo 10 08:36 AM

Motion: To elect Paul Nikolich as chair of p802 LMSC by acclimation

Moved: Bob Grow/Tony Jeffree

Passes: unanimously.

Paul must now be confirmed by the IEEE SAB. He will assume the position after the close of this meeting (after Friday's closing SEC meeting)

Paul: I will hold both positions as chair and vice chair, and start a search for vice chair, to be elected in March.

5.04 ME Remove copyright restriction from the MIB - Hayes 5 08:50 AM

The MIB is under copyright in the standards that includes one. It is necessary currently to get a release to include the MIB in a product.

Q: Is it believed that this is at all contentious? A: Unknown, this is more likely that it is bureaucratic.

What we need is a process that automatically puts a copyright release statement in the standard that releases the use of the MIB from copyright restrictions. 802.3ad page 71 contains such a statement.

Copyright release request for Management Information Base (MIB)

Vic Hayes, Agere Systems

Status of copyright on MIB

- Currently the MIB definition is under the copyright protection of the IEEE
- IEEE 802.11 was first in standardizing the MIB (others have been done by the IETF)
- Vendors need to copy the information verbatim in their documentation
- PICS Proforma has a release statement in the standard:
  - *Copyright release for PICS proforma:* Users of this standard may freely reproduce the PICS proforma in this annex so that it can be used for its intended purpose and may further publish the completed PICS.

Issues

- Vendors need to get the release
- If they can not get release on short notice, they may turn to IETF to get a new MIB defined that they can copy freely

Proposed way forward

- IEEE staff to review with department this week
- Goal is to come with a release notice by the end of this week

5.13 DT IEEE Balloting Service - Feedback - Carlo 10 08:49 AM

802 SEC has provided feedback to the Balloting Service. The problem with ballot scheduling is that we would like a date that the ballot will begin and a schedule for when the Service needs each item in order to meet the Ballot date. The Service now requires that they have everything in hand before the Service will "see where we can fit it in."

Mary Lynne now has all the comments from this group and others. She is intensively reviewing the comments. Jim recommends the she not do this alone, but work with us to be sure that changes made are useful and desirable.

IEEE-SA Balloting Service

- Mary Lynne Nielson now has overall Ballot Service Responsibility
- Feedback submitted by IEEE 802
  - Roger Marks, Vic Hayes, Geoff Thompson, Jim Carlo
  - Lack of predictability
  - Minimize tasks that staff needs to handle
  - Automate where possible
- Probably need follow-up with IEEE-SA to go through this process
- Next Step?

5.14 DT Complimentary copies of Standards - Carlo 10 08:56 AM

Previously, people mentioned in the standard front piece get a complimentary copy. Is this still useful? Yes, the participants appreciate this. The WG chairs must supply mailing labels to the IEEE. This is an ego item rather than a usefulness item. For those of us around for a long time, the IEEE should issue a bookshelf, as well. It has been pointed out that an Excel file of the addresses also works. We want the process to work.

5.15 DT Drafts for sale - Ortiz 10 09:00 AM

Roger points out that the SAB rules require that all WG documents be available to any that request them, including drafts. This means that if a draft is not available on the IEEE web site, it must be provided, free of charge, by the WG chair.

IEEE-SA
Drafts for Purchase

Angela Ortiz

12 November 2001

Submitting Drafts to IEEE for Purchase

- Drafts must be mature, based on an educated judgement by the WG chair
- Submit drafts in pdf to a.ortiz@ieee.org and Linda Sibilia: l.sibilia@ieee.org via e-mail attachment with subject message: “Urgent Draft Available for Sale”
- IEEE requires 2 to 7 business days to post drafts on web site.

Tips for Finding IEEE Drafts Online

- We recommend that IEEE 802 provide a link from its homepage to the IEEE Online Store.
- When searching for drafts, put a “P” before draft number, e.g., P802.11
- Enter complete draft or standard number, e.g., 1217-2001 or 1076.1-2000

Tips for Finding IEEE Drafts Online

- Use the wildcard * when searching on a partial standard number; e.g., P802* for a listing of all P802 drafts
- To order online, visit http://shop.ieee.org/store/

Contact Information

- You can also:
- E-mail: customer-service@ieee.org
- Call: +1 800 678 IEEE (US & Canada)
- +1 732 981 0600
  (outside US & Canada)
- For special assistance, contact
  a.ortiz@ieee.org and
  l.sibilia@ieee.org

IEEE

5.16 DT IEEE 802 Networking at Meetings - Hayes 10 09:05 AM

The network is up and covers the entire building, including the 17th floor. Hyatt has a contractor (Core Communications) for all hotels with CAT5 cabling. They have been very helpful and useful. The cost is $4,100 for the week, including the use of the T1. Dell Computer has donated a server to replace the previous router that we had been using. This makes VPN connections possible, as well as providing an outgoing SMTP server.

We need to get this process working properly, so that we don't have to keep having Tim jumping in at the last minute.

802.3 has entered the 20th (yes, 20th) century with an Aries server.

The equipment being used for plenary meetings is owned by 802.11 and .15. If 802 is going to set up networks for the plenary meetings, 802 must have its own equipment and not rely on the working groups for their support.

A suggestion has been made to have an SEC-level position to manage the network and its setup.

We should have an exec level meeting to decide how we institutionalize our networking. This is set up for 5:00pm Wednesday.

5.17 DT Publication options of 802.11 vs. 8802-11 - Hayes 5 09:22 AM

Many suggestions were made to address this issue. SEC will help if someone doesn't do what you want done. The problem has been solved before (see 802.3 and 802.1).

Issues regarding publications of IEEE 802.11 standards

Vic Hayes, Agere Systems

Project editor ISO/IEC 8802-11

Status of 802.11 standards

- Base standard:IEEE 802.11:1997
- Its revision ISO/IEC 8802-11;1999
- Supplement IEEE 802.11a:1999
- Its revision, published as ISO/IEC 8802-11 AMD 1:2000
- Supplement 802.11b:1999,
  - 11b-cor1
- Its revision approved for publication as ISO/IEC 8802-11 AMD 2
- Supplement IEEE 802.11c (folded into 802.1D)
- Supplement IEEE 802.11d:??

Issues

- IEEE rules require a new publication as soon as there are 2 or more supplements to a standard
- ISO/IEC has adopted the base standard and 2 of the 3 approved supplements
- Chair of ISO/IEC JTC1 SC6 wants to pass a resolution at SC6 meeting before folding is allowed

Some options for publication

IEEE preference	IEEE 802.11	8802-11:99	8802-11 AMD1:00	802.11b+cor	802.11d:??
ISO editor preference	ISO/IEC 8802-11	8802-11:99	8802-11 AMD1:00	802.11b+cor	802.11d:??
ISO Chair option	Keep separate	8802-11:99	8802-11 AMD1:00	8802-11 AMD2:02	?802.11d:??

Proposed way forward

- What authority has IEEE?
- What is IETF's opinion?
- Make a decision among IEEE staff and SEC
- Call ISO/IEC JTC1 SC6 Chair

- Request IEEE staff to resolve during week

5.18 DT Face to Face Contract - Grow 5 09:31 AM

The contract comes up for renewal in March. We should consider any modifications that we desire. We might want to include meeting networking, using F2F as the general contractor, and have them get the subcontractor. Over the years we have added quite a lot and we should re-write their responsibilities. Impression is the pricing will remain about the same, but the list of items they do may change. The contract was last rewritten in March 1999. This was also the last time that competitive bids were solicited. We might also discuss 802-hosted interims.

Meeting organizer service package meeting: 4:00pm Wednesday.

5.19 II 802.15.1 to RevCom - Heile 5 09:35 AM

802.15.1 was submitted to sponsor ballot passes 26/3/1. Second recirc: 27/2/2. The WG will move to forward to REVCOM on Friday at SEC closing meeting.

5.20 II 802.16 to RevCom - Marks 5 09:37 AM

802.16D5 passed sponsor ballot and has been pre-submitted to REVCOM. WG will move to forward to REVCOM on Friday at SEC closing meeting.

5.21 II Public Relations Pilot from IEEE - Vogel 10 09:39 AM

Concern is that the concern of the one writing the news bulletin must close the loop with the WG. There will be a WG contact that will review the material. Your time frame will make it very difficult to accomplish your objectives. On popular technologies there are so many people that want to put their own spin on the issues, you will not be able to get your message out unless it is done in less than a week. Two to three weeks is not going to be effective. Most of the press will be on deadline by the following Thursday. Unless our message is in their hands by Tuesday, it will be too late. 802.16 creates a draft report of their meeting the week before the meeting and revises it in their closing plenary.

IEEE 802
Public Relations
Pilot Program

Austin, TX

12 November 2001

New 802 Public Relations E-Communique

- An IEEE 802 e-news bulletin
  - Disseminated 2-3 weeks after main 802 meetings
  - Sent via e-mail containing headlines
  - Includes hot links to detailed information hosted on IEEE-SA web site and to Working Group sites
  - E-newsletters will be archived on IEEE-SA website in newsroom area

New 802 Public Relations E-Communique

- Provides effective and uniform method for information dissemination
  - accurate and in a timely manner
- Raises visibility of IEEE 802
- Solidifies IEEE's role as premier standards developer and information source

New 802 Public Relations E-Communique

- E-newsletter will contain:
  - Progress made by IEEE 802 WGs
  - Press releases
  - Upcoming 802 committee & WG meetings
  - Links to WG web sites
- Information will be gathered from:
  - Plenary meeting summaries/reports
  - WG websites

IEEE

New 802 Public Relations E-Communique

- Michael Bratnick, CoreCom, Inc., will develop each newsletter
  - create template for bulletin
  - write news items and summaries
  - develop targeted international mailing lists: trade, business and general press
- WGs must identify a main and backup contact; work directly with Michael

mbratnick@corecompr.com

New 802 Public Relations E-Communique

- Questions?

Staff Contact

Karen McCabe

k.mccabe@ieee.org

732-562-3824

5.22 II IEEE 802 Registration Update - Rigsbee 5 09:56 AM

Nearly 800 people registered on the web. A gentleman from Verisign is attending and was unable in three attempts to use the web registration. Verisign is investigating. With preregistration closing at 6pm on Friday, the badges were printed on Saturday. Estimated attendance might be 1000.

5.23 II 802 Standards CD-ROM - O'Hara 10 09:58 AM

CD-ROMs are available and being distributed.

5.24 II ATIS/T1 - Barclay 10 10:00 AM

The areas of responsibility are described on the web sites. All committees are fair and open. Some may charge a participation or meeting fee.

Energy, Evolution, Impact...

ATIS Today and Tomorrow

IEEE 802 Meeting
November 12, 2001
Steve Barclay - Manager, Industry Forums
sbarclay@atis.org

Alliance for
Telecommunications
Industry Solutions

www.atis.org

Defining ATIS

- A member organization of global telecommunications companies with a U.S. and/or North American presence
- Current ATIS membership is 116 companies
- 17 industry committees and fora
- ATIS' members and participants represent every segment of the telecommunications industry

The ATIS Mission

- Assist in the timely resolution of national and international telecommunications issues
- Initiate and maintain flexible, open industry fora and committees to address technical and operational issues
- Serve as an information resource to its members and the public at large
- Promote industry progress with minimal regulatory intervention

ATIS Core Values

Fair and Open Processes

- Open fora available to all affected and interested parties
- Use of fair rules ensuring nondiscrimination amongst participants
- No favoritism of technology, position, or result
- No favoritism among industry groups or individual firms

ATIS Core Values

Speed to Market

- Ultimate product of telecommunications standards development is to make products and services **better, cheaper, FASTER** and **available** to more users.
- **In today's world, responsive and rapid deployment requires RAPID RESPONSE from the standards community.**

ATIS Services

Provide Support via:

- Facilitation
- Legal Services
- Finance/Administration
- Marketing/Public Relations
- Member/Industry Communications
- Meeting Management and Services
- Education
- Incubator Projects
- ATIS Document Center

ATIS Committees and Fora

- International Forum on ANSI-41 Standards Technology (IFAST)
- Internetwork Interoperability Test Coordination (IITC) Committee
- Committee T1
- Telecommunications Fraud Prevention Committee (TFPC)
- Telecommunications Industry Forum (TCIF)
- Interactive Voice Response (IVR) Forum
- Network Reliability Steering Committee (NRSC)
- Carrier Liaison Committee (CLC)
- Committee O5
- Protection Engineers Group (PEG)
- Generic Requirements Users Group (GRUG)
- Industry Numbering Committee (INC)
- Network Interconnection Interoperability Forum (NIIF)
- Ordering & Billing Forum (OBF)
- TTY Forum
- IMSI Oversight Council (IOC)
- Administrative Council for Terminal Attachments (ACTA)

Incubator Projects

TTY Technical Standards Implementation (TTSI)

Point Code Control and Ownership (PCCO)

5.25 II PARs for review - 802.1 - Jeffree 5 10:05 AM

Playpen ethertypes was submitted (Ethertypes for protocol and vendor-specific development) under the 30-day advance notice requirement. IT will be brought to SEC on Friday.

5.26 II P1583 Voting Standard - Longman 2 10:11 AM

This is just a notice of a new standard project, meeting in Austin this week. Do we know whether this standard will involve networking? No, not yet.

P1583 – Voting Equipment Standard

- The IEEE Standards Association has inaugurated a new standards project, tasked with the development of standards for voting equipment, project P1583.
- P1583 will develop a standard that establishes requirements and evaluation methods for election voting equipment.
- The standard will provide technical specifications for electronic, mechanical, and human factors that can be used by manufacturers of voting machines or by those purchasing such machines.
- Meetings in Austin this week:
  15Nov01 – 2PM –5PM Texas Capital Complex - Stephen F Austin Building, Room 118
  16Nov01 – 9AM-3PM Texas Capital Complex - Travis Building, Room #: 1-100
- Stephen Berger, Chair, (stephen.berger@ieee.org)
- Edward J. Rashba, IEEE Liaison, (e.rashba@ieee.org)

5.27 II 5GSG - Kerry 5 10:12 AM

We are now trying to defend the 5GHz band from global attack. This SG will come back in the Friday SEC meeting for reauthorization or redirection.

Why is this not done by Vic's group? This SG defends 802.11a position in regulatory bodies.

802.16 also has work already going on in this band. 802.16 may also have opinions of what to be done in this band.

When is a PAR expected? Unknown.

We should take into account the sensitivities of the other WGs. Please make sure that other interested WGs are aware of what this group is doing.

5.28 II Coexistence SEC SG - Lansford 5 10:19 AM

The job of this SG is to sing "Kumbaya" on these issues just mentioned. This SG needs to close on the process for a standing committee. At the last meeting Vic proposed rules changes. A point was made that this SG must determine what needs to be done for coexistence and then go out of business.

5.29 Adjourned at 10:25am

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

Monday, November 12th, 2001 - 11:00 a.m.

Hyatt Regency, Austin, TX

1. MEETING CALLED TO ORDER

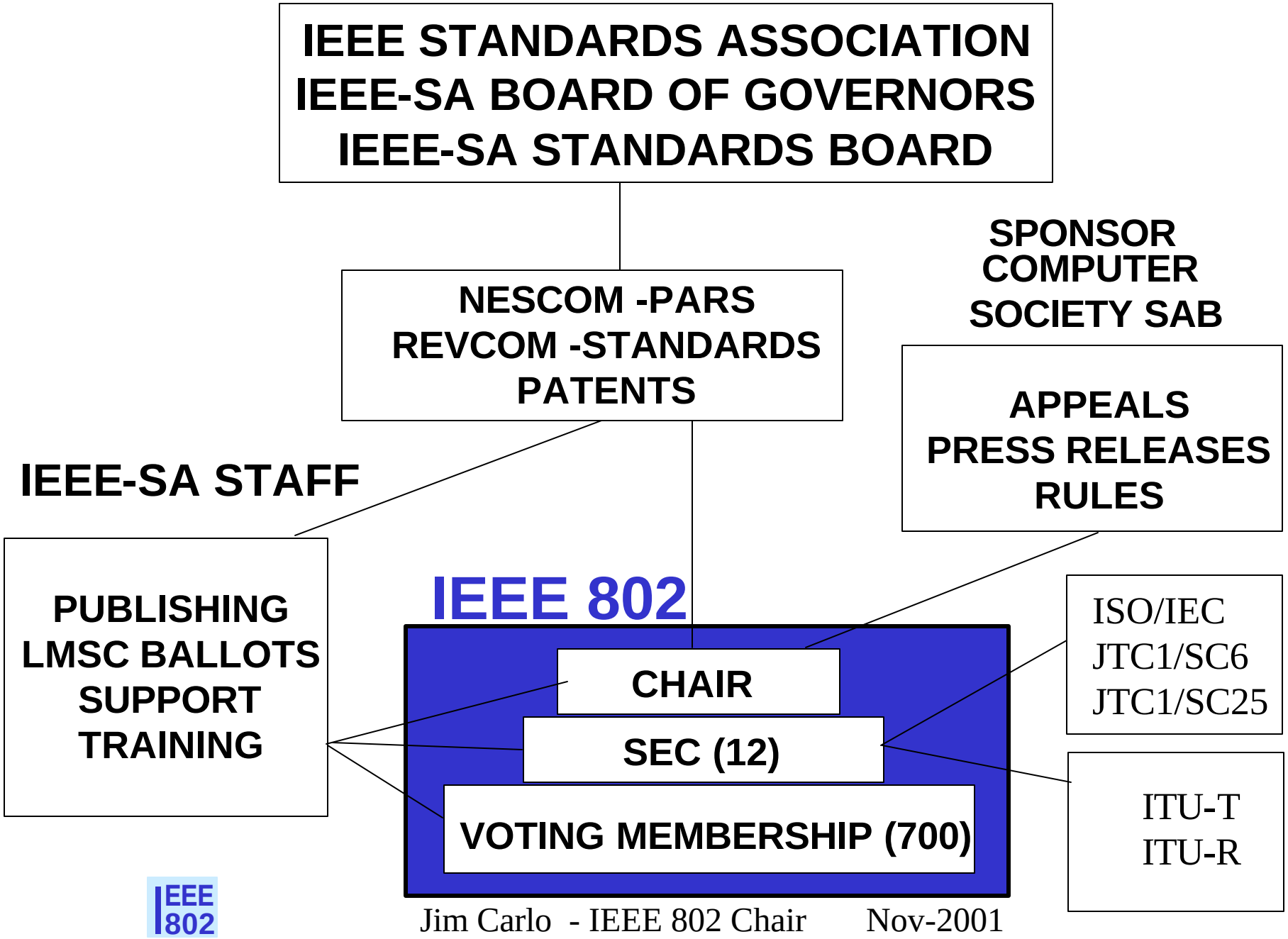
Jim Carlo called the meeting to order at 11:00 am.

11:00 Welcome and Review on SEC Meeting – Carlo

IEEE802 Monday Plenary Agenda

• 11:00	Welcome and Review of SEC Meeting	Carlo
• 11:07	Chair Election Process	Carlo
• 11.12	Voting Rules and IEEE 802 Operating Rules	Nikolich
• 11:15	Treasurer's Report	Grow
• 11:20	IEEE Project Editors Status Report	IEEE
• 11:24	802.1 Architecture & In terworking	Jeffree
• 11:29	802.3 CSMA/CD (Ethernet)	Thompson
• 11:34	802.11 WLAN (Wireless Local Area Network)	Kerry
• 11:41	Regulatory Ombudsman	Hayes
• 11:44	802.15 WPAN (Wireless Personal Area Network)	Heile
• 11:48	802.16 BWA (Broadband Wireless Access)	Marks
• 11:53	802.17 RPR (Resilient Packet Ring)	Takefman
• 11:56	Wireless Coexistence SEC SG	Lansford
• 11:58	P1583 Voting Standards Meeting	Carlo
• 11:58	Tutorials, Meeting Arrangements	Rigsbee
• 12:00	ADJOURN	

- **www.ieee802.org** **SEC Meeting: 3-7pm, Friday**


IEEE STANDARDS ASSOCIATION
IEEE-SA BOARD OF GOVERNORS
IEEE-SA STANDARDS BOARD
NESCOM -PARS
REVCOM -STANDARDS
PATENTS
SPONSOR
COMPUTER
SOCIETY SAB
APPEALS
PRESS RELEASES
RULES
IEEE-SA STAFF
PUBLISHING
LMSC BALLOTS
SUPPORT
TRAINING
IEEE 802
CHAIR
SEC (12)
VOTING MEMBERSHIP (700)
ISO/IEC
JTC1/SC6
JTC1/SC25
ITU-T
ITU-R

IEEE 802 ORGANIZATION

SPONSOR EXECUTIVE COMMITTEE (SEC)

CHAIR
Jim Carlo

WORKING GROUP CHAIRS

802.1
BRIDGING/ARCH
Tony Jeffree

802.3
CSMA/CD
Geoff Thompson

802.17
ResPackRing
Mike Takefman

802.11
WLAN
Stuart J. Kerry

802.15
WPAN
Bob Heile

802.16
BWA
Roger Marks

APPOINTED OFFICERS

VICE CHAIR
Paul Nikolich

RECORDING SEC
Howard Frazier

EXECUTIVE SEC
Buzz Rigsbee

TREASURER
Bob Grow

REGULATORY
Vic Hayes

HIBERNATION

802.2 LLC (Dave Carlson)
802.4 Token Bus (Paul Eastman)
802.7 Broadband TAG (P Nikolich)
802.10 Security (Ken Alonge)
802.5 Token Ring (Bob Love)
802.6 DQDB (Jim Mollenauer)
802.9 ISLAN (D. Vaman)
802.12 Demand Priority (Pat Thaler)

DISBANDED

802.8 Fiber Optic TAG (C. Benson)
802.14 CATV (Robert Russell)

SEC Friday Meeting
3:00 – 7:00pm

No Thursday Midnight Meeting

Jim Carlo - IEEE 802 Chair

- EMAIL: j.carlo@ieee.org
- Phone: 214-693-1776 (Cellular)
- Fax: 214-853-5724
- J.Carlo Consulting LLC (Formerly worked at Texas Instruments)

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

- This is my last meeting as Chair (started in July 1996)
  - Final Remarks

IEEE 802 Thoughts

- The strength of IEEE 802 is in the individuals who participate in IEEE 802. We develop standards that benefits the public, our industry and our companies.
- WG's work best when individuals are solving technical issues to create timely networking standards.
- There are other places that try to do LAN Networking standards besides IEEE 802.
- Make sure you have fun.

SEC Chair Election Process

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

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

6. Patents

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

a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement the proposed IEEE standard against any person or entity using the patent(s) to comply with the standard or

b) A statement that a license will be made available to all applicants without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination

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 2001)

6.3.1 Public notice

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

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

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

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

6.3.2 Submittal

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

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

6.3.3 Disclaimer

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

IEEE 802 WG Voting Rules

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

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

IEEE-SA Activities

- Standard Board (Jim Carlo, Howard Frazier, Geoff Thompson)
  - Number of new PARS significantly decreasing
  - RevCom and NesCom instituting continuous processing
  - Voting Machine Measurement PAR approved
  - IEEE is 501 (c) 3 (Tax Code) - **Standards for the Public Good**
  -

- Board of Governors
  - IEEE thrust to ensure standards seen as “International”
  - Get IEEE 802® program highlighted to BOG
  - Emphasis on “Corporate Participation”

2. Chair Election Process

Paul Nikolich was elected as chair at this morning's SEC meeting.

Paul passes the thanks of himself and all of 802 for Jim's participation and chairmanship.

3. Voting Rules and IEEE 802 Operating Rules

4. Treasurer's Report

IEEE Project 802
Statement of Operations
July 2001 Meeting

July 2001 Meeting Income:		*Actual*	*Budget*	
256 Registrations@ $300	76,800			
763 Registrations@ $250	190,750			
Registrations@ $100	0			
Subtotal	**267,550**	**267,550**	251,750	
Deadbeat Registrations			150	
Bank Interest		**336**	375	
Other		**4,700**	0	
TOTAL Income		**272,586**	252,275	

July 2001 Meeting Expenses:	*Actual*	*Budget*	
Audio Visual Rentals	**7,238**	8,000	
Bank Charges	**3**	30	
Copying	**5,987**	7,600	**
Credit Card Discount	**7,667**	7,049	*
Equipment Expense	**25,406**	8,000	
Get IEEE 802	**78,000**	71,250	
Meeting Administration	**49,291**	55,250	*
Networking	**4,300**	0	
Phone & Electrical	**51**	3,000	
Refreshments	**44,901**	42,750	
Shipping	**775**	3,500	
Social	**22,383**	40,850	
Supplies	**0**	500	
Other	**2,889**	500	
TOTAL Meeting Expense	**248,890**	248,279	

NET Meeting Income/Expense	**23,696**	3,996
Expenses from prior meetings	**118**	
Expenses prepaid for this meeting	**10,955**	
12 Nov 2001 Operating Reserve	**154,730**	

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

* * Operating reserve includes contingent liabilities of ~$9,000. Reserve is less than specified by LMSC Rules Procedure 1.

5. IEEE Project Editor's Status Report

Jim introduces Jennifer Longman (802 project editor), Angela Ortiz (Liaison to 802), Sue Vogel (Manager of technical programs)

IEEE 802® Standards published since July 2001

- IEEE Std 802.1w-2001
- IEEE Std 802.1X-2001
- IEEE Std 802.11d-2001
- IEEE Std 802.16.2-2001
- IEEE 1802.3-2001

IEEE 802® Standards to be published in November

- IEEE Std 802.5v-2001
- IEEE Std 802.11b-1999/Corrigendum 1-2001

IEEE 802® Standards on RevCom Agenda in December

- IEEE Std 802.1H
- IEEE Std 802.3ag
- IEEE Std 802.15.1
- IEEE Std 802.16

IEEE 802® Standards published in 2001

- IEEE Std 802.1t-2001
- IEEE Std 802.1u-2001
- IEEE Std 802.1v-2001
- IEEE Std 802.1w-2001
- IEEE Std 802.1X-2001
- IEEE 1802.3-2001
- IEEE Std 802.5w-2000
- IEEE Std 802.11d-2001
- IEEE Std 802.16.2-2001

6. 802.1 Architecture and Interworking

Awards presented to Tony Jeffree and Mick Seeman for publication of 8802 part 3 amendment 2 and 802.1X Port Based Network Access Control.

802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

12th November 2001

Areas of work

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

Status of current projects - (1)

- Standard 802 revision (Overview & Architecture)
  - Approved by June RevCom
  - Ongoing residual problems re compliance and IEEE trade-marks – recirc to delete Clause 5 before publication resulted in 6 negative votes
  - The RAC Chair requested that the following note be added to 9.2.1, paragraph 2 before publication:

"NOTE - The requirement for the use of 64 bit addresses in new applications is under consideration by the IEEE Registration Authority (RAC)."

Status of current projects - (2)

- P802.1s - Multiple Spanning Tree support in VLANs
  - Draft 10.1 circulated to WG – major changes to complete the state machines

Status of current projects - (3)

- P802.1y – Maintenance items for 802.1D (including t, w)
  - Some bug fixes related to 802.1w
- P802.1z – Maintenance items for 802.1Q (including v)
  - Nothing so far identified
- P802.1aa – Maintenance items for 802.1X
  - Various proposed changes resulting from implementation experience

Status of current projects - (4)

- 802.1H – MAC Bridging of Ethernet – 5 year reaffirmation ballot passed – submitted to RevCom
- Will raise a PAR for “Playpen Ethertypes” at this meeting

Meetings this week:

- Mon PM: Plenary plus X maintenance
- Tues: 802.1s plus D maintenance
- Weds: AM meeting with 802.3 EFM PM remaining tech work plus closing plenary
- Thurs: AM meeting with 802.17 RPR

7. 802.3 CSMA/CD (Ethernet)

Award to Bob Love and John Messenger for publication of 802.5 corrigendum 1

IEEE 802.3 CSMA/CD Working Group Status

- Major Activities/Approved Projects:
  - P802.3ae 10 Gigabit Ethernet TF
    in final stages of WG Ballot
  - P802.3af DTE Power via MDI
    Hope to see Draft 1.3 this meeting
  - Study Group: Ethernet in the First Mile
    PAR Just Approved by Standards Board

IEEE 802.3 CSMA/CD Working Group Status

- Other Activities:
  - P1802.3Rev., 10BASE-T Conformance Test
    Approved / Published
  - P802.3ag-REV Maint #6
    On December REVCOM agenda for approval
    New Maintenance PAR this meeting?\
  - Liaison reports
  - Ad Hoc: Cable Discharge
  - Call for Interest : Longer Distance 10 Gigabit Ethernet / Bill Wiedemann

IEEE Std. 802.3 Status

- **Published (PDF & Paper)**
  - **IEEE Std. 802.3 2000 Edition**
  - **ISO/IEC 8802-3 Sixth Edition 2000 - ## - ##**

    Paper: ISO edition only: 1586 pages

    PDF included in current CD-ROM (as 802.3)

  Available at no charge from "IEEE Download 802"

  http//standards.ieee.org/getieee802/802.3.html

- **Now Obsolete:**
  - **IEEE Std. 802.3 1998 Edition**
  - **IEEE Std. 802.3ac-1998 VLAN Tag Supplement**
  - **IEEE Std. 802.3ab-1999 1000BASE-T Supp.**
  - **IEEE Std. 802.3ad-2000 Link Aggregation Amend't**

802.3 CSMA/CD Working Group Officers

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

- 802.3 & SUB-GROUPS WILL MEET IN THE:

RADDISON HOTEL

(other end of the bridge)

- STARTING at 1:00 PM

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

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

8. 802.11 WLAN (Wireless Local Area Network)

PLENARY

R3

70th Session of the
IEEE 802.11 Working Group
Wireless Local Area Networks

November 11th - 16th, 2001, Austin, TX

PLENARY

R1

70th IEEE 802.11 WIRELESS LOCAL AREA NETWORKS SESSION

Hyatt Regency Austin, 208 Barton Springs Road, Austin, TX 78704, USA
November 11th-16th, 2001

Reservation Phone: +1 (512) 477-1234 - Toll Free: +1 (800) 233-1234 - Reservation Fax: +1 (512) 480-2069

The graphic below describes the weekly session of the IEEE P802.11 WG in graphic format.

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
07:00-07:30		Joint Mtg with 802 R-Reg			802.11 WG CHAIRs ADVISORY COMMITTEE	
07:30-08:00						
08:00-08:30		802 SEC MEETING	5GSG TGH TGF TGI	802 R-REG 5GSG TGH TGG	TGH TGI TGF TGE	802.11 WG CLOSING PLENARY
08:30-09:00						
09:00-09:30						
09:30-10:00						
10:00-10:30		Break	Break	Break	Break	Break
10:30-11:00		802 PLENARY	5GSG TGE PC TGG	802.11 WG MID-SESSION PLENARY	TGH 5GSG TGF TGE	802.11 WG CLOSING PLENARY
11:00-11:30						
11:30-12:00	Joint Mtg with 802 R-Reg					
12:00-12:30		Lunch	Lunch	Lunch	Lunch	
12:30-13:00						Joint Mtg with 802 R-Reg
13:00-13:30		802.11 / 802.15 JOINT OPENING PLENARY (ending with a 10 minute new members orientation)	5GSG TGE TGF TGG	802 COEX TGE TGF TGG	TGH 5GSG TGF TGG	
13:30-14:00						
14:00-14:30	Optional Meeting Time & Network Setup					
14:30-15:00						
15:00-15:30		Break	Break	Break	Break	
15:30-16:00		TGH TGE TGI TGF	5GSG TGH TGF TGG	TGI TGE TGF TGG	TGH TGI TGE TGG	802 SEC MEETING
16:00-16:30						
16:30-17:00	11/15 CO-ORD MEETING					
17:00-17:30						
17:30-18:30	Break	Dinner	Dinner	Break	Dinner	
18:30-19:00	802.11 WG CHAIRs ADVISORY COMMITTEE	TGH TGE TGI TGG	LLC BoF TGH TGF TGI	IEEE 802 Social Evening	5GSG TGI TGE TGG	
19:00-19:30						
19:30-20:00						
20:00-20:30						
20:30-21:00						
21:00-21:30						

LEGEND

SLOT TYPE						SLOT TYPE
Assigned	TGE	Task Group E (MAC Enhancements - QoS)	TGF	Task Group F (Inter-Access Point Protocol)		Assigned
Assigned	TGG	Task Group G (802.11b Data Rates >20 Mbit/s)	TGH	Task Group H (Spectrum Managed 802.11a)		Assigned
Assigned	TGI	Task Group I (Enhanced Security Mechanisms)	5GSG	IEEE 5 GHz Globalization Study Group - (B) = Bellevue		Assigned
Fixed (Sync)	802 R-REG	802 Radio Regulatory Group	WG / CHAIRs MTGs	802.11 WG + Chair's Advisory Committee		Fixed
Fixed	11/15 CO-ORD	Joint 802.11 / 802.15 Lead Co-ordination Ad-Hoc	PC	Joint 802.11 / 802.15 Publicity Committee		Fixed (Sync)
Fixed	TUT	IEEE 802 Tutorials 1, 2, 3 and 4	802 COEX	802 Wireless Coexistence Study Group		Fixed (Sync)
Assigned	802 SEC MTG	IEEE 802 LMSC Sponsor Executive Committee	LLC BoF	Joint 11/15 "Birds of a Feather" Session on LLC		Assigned

PLENARY

R3

70th IEEE 802.11 WIRELESS LOCAL AREA NETWORKS SESSION

Hyatt Regency Austin, 208 Barton Springs Road, Austin, TX 78704, USA

November 11th-16th, 2001

OBJECTIVES FOR 802.11 THIS SESSION:

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

- Approve new draft
- Submit for letter Ballot
- Continue with Ad-hoc AV study group

802.11 - TASK GROUP F - IAPP (DAVE B.)

- Review response to LB 28
- Depending on result of ballot,
  - Proceed to Sponsor ballot, or
  - Resolve comments, revise draft and start next WG ballot

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

- Presentation of general submissions
- Continuation of technical Selection Procedure
- Selection of TGg Editor
- Coordination with Radio Regulatory

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

- Comment resolution of Letter Ballot #29
- Create & adopt revised draft reflecting comment resolutions
- Start new LB for revised draft
- Discuss radar detection mechanisms with R-Reg

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

- Comment resolution of Draft 1 on Letter Ballot #25
- Continue with requirements document
- Start new LB for revised draft

802.11 - 5 GHZ GLOBALIZATION STUDY GROUP (BRUCE K. / JAMSHID K.)

- Review suggestions from previous ETSI BRAN HIPERLAN2 meetings
- Identify, discuss, prioritize and select goals for collaborative effort in harmonizing wireless LAN standards in the 5 GHz b
- Identify, discuss, prioritize and select organizational and procedural methods for accomplishing wireless LAN standard h
- Review status of 5GHz Spectrum harmonization efforts (invite Vic Hayes & Jim Lansford to update members)
- Prepare motions for 802.11 Plenary as needed
- Prepare for IEEE Interim in January , ETSI BRAN #26 & other interim meetings as needed

802.11 - PUBLICITY ADHOC (AL P.)

- Nominate new chair for Publicity group
- Report from IEEE staff on WLAN market forecast
- Update Conference Calendar
- Continue to Work on Joint 802.11 / 802.15 Publicity Activities
- WECA update

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

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

802.11 - OTHER WG ADHOC'S & ISSUES (ALL)

-

9. Regulatory Ombudsman

Opening report Radio Regulations to Radio Working Groups November 2001 meeting

Regulatory Ombudsman
(Vic Hayes)

http://ieee802.org/Regulatory/

Objectives for Austin, TX, meeting

- Establish Regulatory Group as Permanent Group with a Charter
- Work on PAR rules amendment
- To prepare and submit other position statements if needed
  - e.g. Spectrum requirement 5 GHz band
  - e.g. Chinese regulations
- To hold joint meetings with TGh, TGg and 5GSG

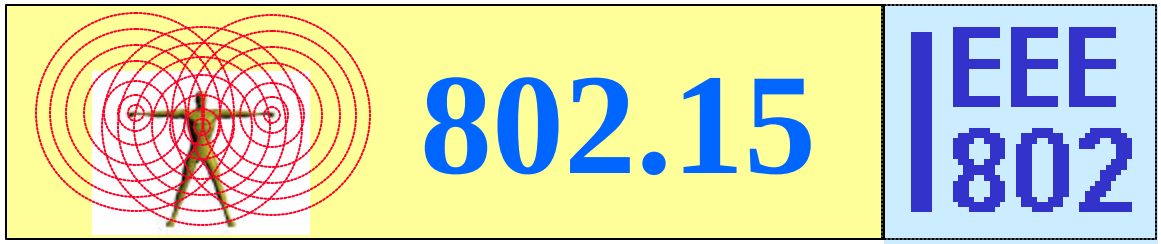
Meeting schedule this week (1)
Big Bend E

- Joint meetings
  - TGh: Monday 3:30 PM - 5:30 PM
  - 5GSG: Tuesday 10:30 AM – noon
  - TGg: Thursday 1 PM – 3 PM
- Rules change meetings
  - Tuesday 8 AM – 10 AM
  - Tuesday 1 PM – 3 PM
  - Wednesday 8 AM – 10 PM
  - (802CoEx: Wednesday 1 PM – 3 PM)
  - Thursday 8 AM – noon, 3:30 PM – 5:30 PM

Meeting schedule this week (2)

- Regulatory matters (5 GHz and Chinese regulations in 2.45 GHz)
  - Tuesday 3:30 PM – 5:30 PM
  - Thursday 10:30 AM – noon, 3:30 PM – 5:30 PM

10. 802.15 WPAN (Wireless Personal Area Network)

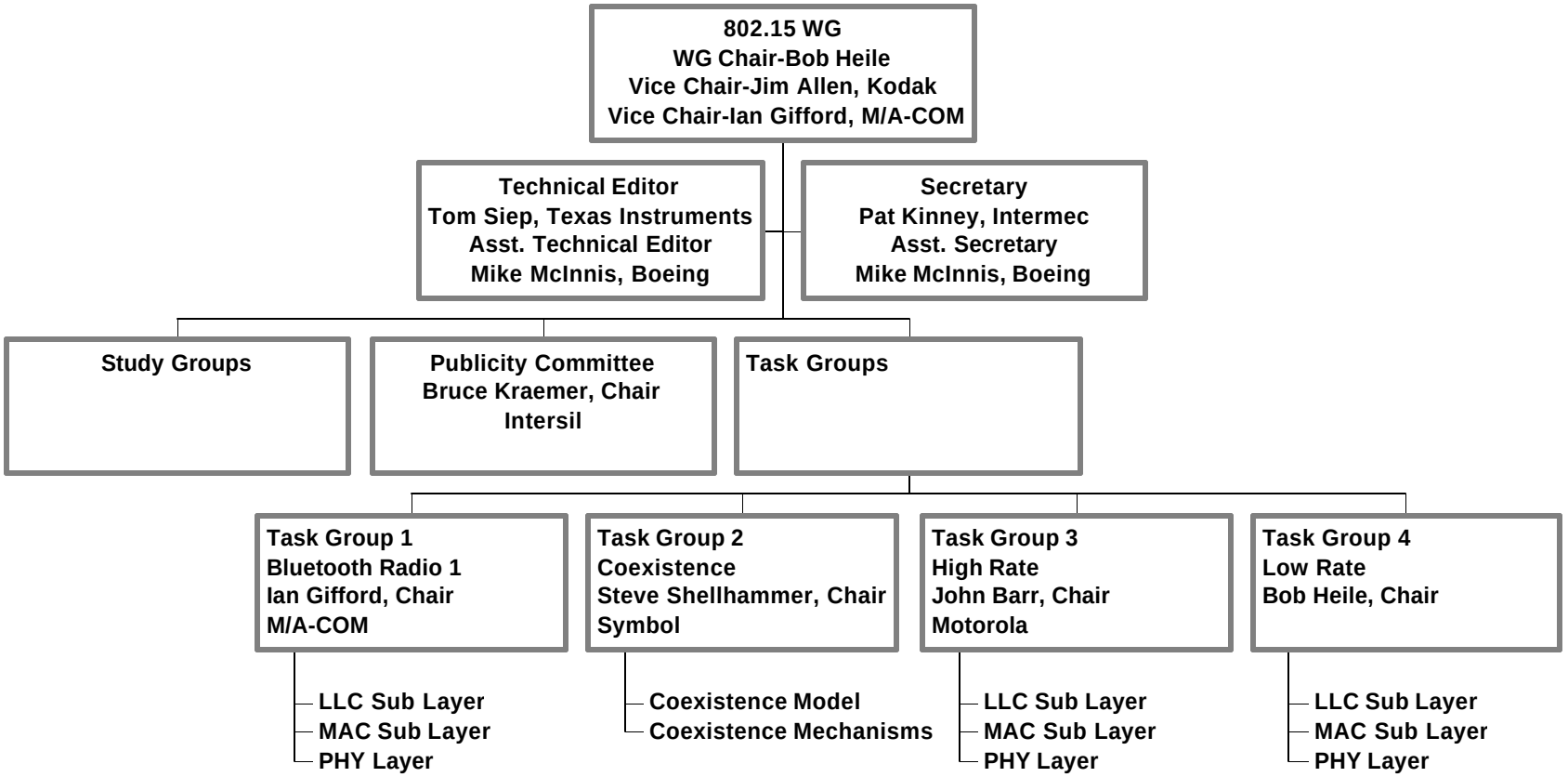


15th Session of meetings of the IEEE 802.15 Working Group for Wireless Personal Area Networks

November 12-16, 2001

Hyatt Regency Austin
Austin, TX

802.15 Functional Organization Chart



Archive, Mailing List, URLs

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

To add your name to IEEE mailing list please send an e-mail to richard.alfvin@kodak.com

Objectives of the Austin Meeting November 12-16, 2001

TASK GROUP 1 OBJECTIVES FOR THIS MEETING:

1. **MOTION SEC TO APPROVE FORWARDING P802.15.1 TO REVCOM**
2. **PROVIDE PROJECT PLANNING UPDATE - 00/375r2**
3. **PROVIDE SESSION #16/DALLAS OBJECTIVES**

Objectives of the Austin Meeting November 12-16, 2001

TASK GROUP 2 OBJECTIVES FOR THE MEETING

1. **BLUETOOTH SIG COEXISTENCE WORKING GROUP LIAISON REPORT**
2. **VOTE ON MAKING PARTITION MAPPING IN AFH OPTIONAL**
3. **REVIEW DRAFT RECOMMENDED PRACTICE**
4. **LINK MANAGER COMMANDS FOR AFH**
5. **CHANNEL CLASSIFICATION FOR AFH**
6. **PRESENTATION ON THE IEEE STYLE MANUAL**
7. **UPDATE PROJECT PLAN**

Objectives of the Austin Meeting November 12-16, 2001

TASK GROUP 3 OBJECTIVES FOR THIS MEETING:

1. **CONFERENCE CALL STATUS, INCLUDING APPROVAL OF ANY AD HOC BUSINESS**
2. **REVIEW DRAFT COMMENTS**
3. **RESOLVE COMMENTS AND OPEN ISSUES**
4. **CREATE AMENDMENTS DOCUMENT FOR D08 TO D09**
5. **COMPLETE DRAFTING UPDATE TO D09**
6. **PREPARE WG LETTER BALLOT OF D09**
7. **INITIATE SPONSOR BALLOT POOL UPDATE**

Objectives of the Austin Meeting November 12-16, 2001

TASK GROUP 4 OBJECTIVES FOR THIS MEETING:

1. **CLOSE REMAINING OPEN ISSUES ON DRAFT**
2. **COMPLETE WORK ON DRAFT**
3. **SECURE TASK GROUP APPROVAL TO MOVE TO LETTER BALLOT**
4. **ZIGBEE RELATIONSHIP**

Objectives of the Austin Meeting November 12-16, 2001

802.15 PC/802.11PC OBJECTIVES FOR THIS MEETING:

1. SELECT NEW CHAIRS FROM EACH WORKING GROUP
2. Update Conference Calendar
3. ESTABLISH ONGOING AGENDA
4. Continue to Work on Joint 802.11 / 802.15 Publicity Activities

Austin Meeting Graphic

R3

15th IEEE 802.15 WPAN MEETING
Hyatt Regency Austin, 208 Barton Springs Road, Austin, TX 78704, USA
November 11th-16th, 2001
The graphic below describes the weekly session of the IEEE P802.15 WG in graphic for

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
07:00-07:30					802.15 AC MEETING	
07:30-08:00						
08:00-08:30		802 SEC MEETING	TG1 TG2 TG3 TG4	R-REG TG2 TG3 TG4	TG1 TG2 TG3 TG4	802.15 WG CLOSING
08:30-09:00						
09:00-09:30						
09:30-10:00						
10:00-10:30			Break	Break	Break	Break
10:30-11:00		Break	PC TG2 TG3 TG4	802.15 WG MEETING	TG1 TG2 TG3 TG4	802.15 WG CLOSING
11:00-11:30		802 PLENARY				
11:30-12:00						
12:00-13:00		Lunch	Lunch	Lunch	Lunch	
13:00-13:30	Optional	802.11 / 802.15 JOINT OPENING PLENARY (ending with a 10 minute new members orientation)	TG1 TG2 TG3 TG4	802 COEX TG3 TG4	TG1 TG2 TG3 TG4	
13:30-14:00						
14:00-14:30						
14:30-15:00	ZIGbEE Meeting					
15:00-15:30		Break	Break	Break	Break	
15:30-16:00		TG1 TG2 TG3 TG4	TG1 TG2 TG3 TG4	TG2 TG3 TG4	TG1 TG2 TG3 TG4	802 SEC MEETING
16:00-16:30						
16:30-17:00	11/15 CO-ORD MEETING					
17:00-17:30						
17:30-18:30	AC Meeting	Dinner	Dinner	Break	Dinner	
18:30-19:00	WMA Meeting	Optional Meeting Time TG3 Tut 1	Optional Meeting Time LLC BoF TG3 Tut 3	Social	Optional Meeting Time	
19:00-19:30						
19:30-20:00		Tut 2	Tut 4			
20:00-20:30						
20:30-21:00						
21:00-21:30						

LEGEND

TG1	Task Group 1 - BLUETOOTH	802 COEX	Task Group D (Regulatory Domain Update)
TG2	Task Group 2 - COEXISTENCE	R-REG	802.11 Radio Regulatory Ad-Hoc Group
TG3	Task Group 3 -HIGH RATE WPAN	5GSG	IEEE / ETSI / MMAC 5 GHz Globalization Study Group
TG4	Task Group 4 - LOW RATE	TUT	IEEE 802 Tutorials 1, 2, 3 and 4
AC	802.15 ADVISORY COMMITTEE	SEC	802 SPONSOR EXECUTIVE COMMITTEE

11. 802.16 BWA (Broadband Wireless Access)

Awards to Roger Marks and Philip Whitehead for publication of 802.16.2.

IEEE 802.16 Working Group on Broadband Wireless Access (BWA)

IEEE 802.16
Working Group on Broadband Wireless Access (BWA)

LMSC Opening Plenary

12 November 2001

Hyatt Regency Austin

site of March 1999 802 Plenary

and birthplace of 802.16

802.16 Officers

- Chair: Roger Marks
- Vice Chair: Brian Kiernan
- Secretary: Carl Bushue
  - Acting Secretary: Dean Chang

802.16 Membership

- 167 Members
- 67 Potential Members
- 4 Members in Peril
- 62 Observers

IEEE 802.16 Projects

- **P802.16:**
  - MAC
  - PHY (10-66 GHz)
- **P802.16a:**
  - PHY (2-11 GHz, licensed)
  - MAC enhancements
- **P802.16b**
  - PHY (license-exempt, mainly 5-6 GHz)
  - MAC enhancements
- **P802.16.2a**: Coexistence

P802.16

- Air Interface for Fixed Broadband Wireless Access Systems (10-66 GHz)
- IEEE Draft P802.16/D5: 18 October
  - for sale in IEEE catalog
- IEEE Sponsor Ballot closed 28 October
  - Passed (43 Approve, 1 Disapprove)
  - Approval request to RevCom, 24 October
    - On RevCom agenda for 5 December
    - Approval by IEEE Standards Board expected on 6 December

802 Tutorial Tonight

WirelessMAN MAC:
It's Done, but What is It?”

6:30-8 pm

Texas Ballroom 4-7

P802.16a/P802.16b

- Document under Working Group Review since September interim meeting
- Plan to launch Working Group Letter Ballot following this meeting
- Balloting Schedule proposes delivery to RevCom by 2 August 2002
- Issue: possible merger of two PARs
- Liaison with ETSI BRAN HIPERMAN
  - HIPERMAN selected 802.16/802.16a MAC as baseline; tentative PHY decision

P802.16.2a

- Amendment to IEEE Standard 802.16.2
  - Recommended Practice
  - Published 10 September 2001
- P802.16.2a
  - Amendment
  - Adding coexistence for 2-11 GHz (licensed)
  - Adding point-to-point extensions

Resources

- here this week:
  - http://10.0.1.16
- permanently:
  - http://WirelessMAN.org

12. 802.17 RPR (Resilient Packet Ring)

IEEE 802.17 Resilient Packet Ring

Meeting # 5

Michael Takefman, Chair

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

Officers of RPRWG

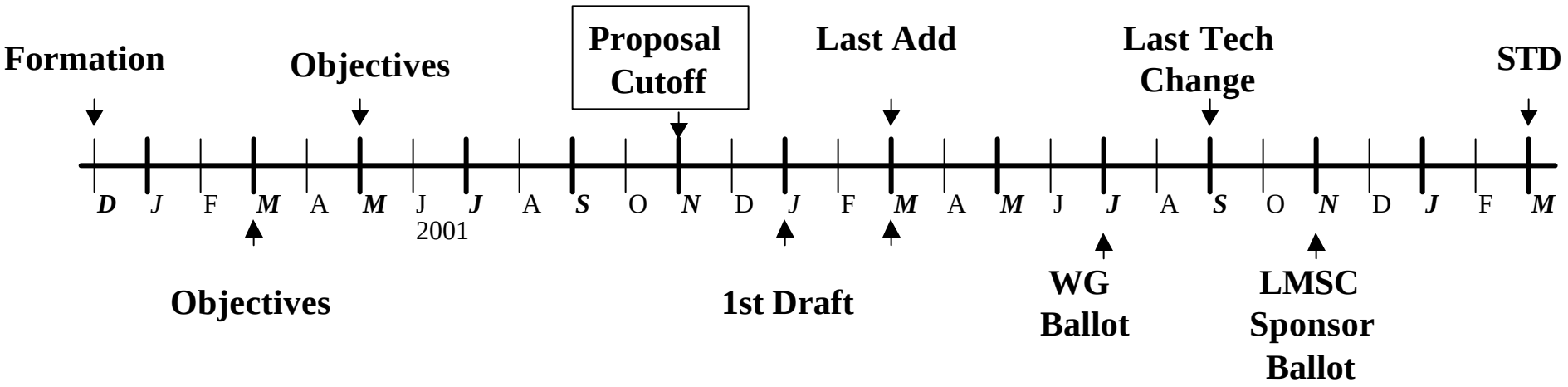
- Chair — Mike Takefman
- Vice-Chair — Bob Love
- Secretary — B.J. Lee
  - Asst Secretary — Mannix O'Connor
- Web-Masters — Ed Messina, John Hawkins

- Performance Committee Chair — Khaled Amer
- Terms and Definitions Ad-Hoc — Bob Sultan

RPRWG

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

802.17 Timeline



Interim Meeting

- January 14-17, Central, Florida
  - 99% probability
  - will close by end of this week

13. Wireless Coexistence SEC SG

Jim described the purpose of the study group and its meeting times during the week. The intent is to develop a standing committee.

14. P1583 Voting Standards Meeting

Jim mentioned the meeting that is happening in the capitol building.

15. Tutorials, Meeting Arrangements

Buzz described the lunch and shuttle arrangements. He described the social on Wednesday. 802 CD-ROM standard distribution is taking place with registration.

12:00 Adjourn

The meeting was adjourned at 12:00pm.

Respectfully Submitted,
Bob O'Hara
Recording Secretary