

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

Monday, July 8, 2002 - 8:00 a.m.

Hyatt Regency – Vancouver, B.C., Canada

## 1. MEETING CALLED TO ORDER

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

|    |                  |   |
|----|------------------|---|
|    | Paul Nikolich    | - Chair, IEEE 802 LAN / MAN Standards Committee                 |
|    | Geoff Thompson   | - Vice Chair, IEEE 802 LAN / MAN Standards Committee            |
|    | Buzz Rigsbee     | - Executive Secretary, IEEE 802 LAN / MAN Standards Committee   |
| 10 | Bob O'Hara       | - Recording Secretary, IEEE 802 LAN / MAN Standards Committee   |
|    | Bill Quackenbush | - Treasurer, IEEE 802 LAN/MAN Standards Committee               |
|    | Tony Jeffree     | - Chair, IEEE 802.1 - HILI Working Group                        |
|    | Bob Grow         | - Chair, IEEE 802.3 - CSMA/CD Working Group                     |
|    | Bob Love         | - Chair, IEEE 802.5 - Token Ring Working Group                  |
| 15 | Stuart Kerry     | - Chair, IEEE 802.11 - Wireless LANs Working Group              |
|    | Bob Heile        | - Chair, IEEE 802.15 – Wireless PAN Working Group               |
|    | Roger Marks      | - Chair, IEEE 802.16 – Broadband Wireless Access Working Group  |
|    | Mike Takefman    | - Chair, IEEE 802.17 – Resilient Packet Ring Working Group      |
|    | Carl Stevenson   | - Chair, IEEE 802.18 – Regulatory TAG                           |
| 20 | Jim Lansford     | - Chair Coexistence Study Group                                 |
|    | Mat Sherman      | - Non-voting Vice Chair, IEEE 802 LAN / MAN Standards Committee |

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

## 2.00 APPROVE OR MODIFY AGENDA

|             |   |               |           |                 |
|-------------|---|---------------|-----------|-----------------|
| <b>1.00</b> | <b>MEETING CALLED TO ORDER</b>                                    | - Nikolich    | <b>1</b>  | <b>08:00 AM</b> |
| <b>2.00</b> | <b>APPROVE OR MODIFY AGENDA</b>                                   | - Nikolich    | <b>4</b>  | <b>08:01 AM</b> |
| <b>3.00</b> | <b>APPROVE / MODIFY MINUTES OF PREVIOUS MEETING</b>               | - Nikolich    | <b>5</b>  | <b>08:05 AM</b> |
| <b>4.00</b> | <b>TREASURER'S REPORT</b>   | - Quackenbush | <b>10</b> | <b>08:10 AM</b> |
|             | Category (* = consent agenda)                                     |               |           |                 |
| <b>5.00</b> | <b>II Notice: Friday Plenary (1pm - 6pm)</b>                      | - Nikolich    | <b>2</b>  | <b>08:20 AM</b> |
| <b>5.01</b> | <b>II Tutorials--IEEE SA Overview Mon/Tues</b>                    | - Nikolich    | <b>2</b>  | <b>08:22 AM</b> |
| <b>5.02</b> | <b>II PAR reminders (802.1, 802.16)</b>                           | - Nikolich    | <b>2</b>  | <b>08:24 AM</b> |
| <b>5.03</b> | <b>II NESCOM Actions (802.16c approved, 802.3 Maint approved)</b> | - Nikolich    | <b>2</b>  | <b>08:26 AM</b> |
| <b>5.04</b> | <b>II REVCOM Actions (802.3ae approved)</b>                       | - Nikolich    | <b>2</b>  | <b>08:28 AM</b> |
| <b>5.05</b> | <b>II IEEE-SA Mtgs</b>  | - Nikolich    | <b>2</b>  | <b>08:30 AM</b> |
| <b>5.06</b> | <b>II LMSC Meeting Fee Waivers</b>                                | - Nikolich    | <b>2</b>  | <b>08:32 AM</b> |
| <b>5.07</b> | <b>II 2nd Vice Chair process</b>                                  | - Nikolich    | <b>2</b>  | <b>08:34 AM</b> |
| <b>5.08</b> | <b>II Liaison to ITU-T SG16 &amp; SG15</b>                        | - Takefman    | <b>5</b>  | <b>08:36 AM</b> |
| <b>5.09</b> | <b>ME Sponsorship contribution to SC-25 (cabling)</b>             | - Thompson    | <b>2</b>  | <b>08:41 AM</b> |
| <b>5.10</b> | <b>DT 802 &amp; BOG Meeting Agenda review</b>                     | - Nikolich    | <b>5</b>  | <b>08:43 AM</b> |
| <b>5.11</b> | <b>DT IEEE-SA Position Statement policy discussion</b>            | - Nikolich    | <b>5</b>  | <b>08:48 AM</b> |
| <b>5.12</b> | <b>DT GET802 program update</b>                                   | - Walker      | <b>5</b>  | <b>08:53 AM</b> |
| <b>5.13</b> | <b>DT IEEE Trademark policy &amp; Conformance Statements</b>      | - Walker      | <b>5</b>  | <b>08:58 AM</b> |
| <b>5.14</b> | <b>DT IEEE PR - status update</b>                                 | - Marks       | <b>5</b>  | <b>09:03 AM</b> |
| <b>5.15</b> | <b>DT</b>   |               |           | <b>09:08 AM</b> |

|      |    |  |             |    |          |
|------|----|--|-------------|----|----------|
| 5.16 | DT | OID Arcs and Procedures  | - Jeffree   | 10 | 09:08 AM |
| 5.17 | II | RAC plans for week   | - Jeffree   | 2  | 09:18 AM |
| 5.18 | II | 802.11 SG: Radio Resource Measurement, High Throughput SGs     | - Kerry     | 2  | 09:20 AM |
| 5.19 | II | 802.15 Alternate PHY SG update                                 | - Heile     | 2  | 09:22 AM |
| 5.20 | II | 802.16a, 802.16c readied for Sponsor Ballot                    | - Marks     | 4  | 09:24 AM |
| 5.21 | II | 802.18 Status Update   | - Stevenson | 5  | 09:28 AM |
| 5.22 | II | Coexistence ECSG status update                                 | - Lansford  | 2  | 09:33 AM |
| 5.23 | II | 802.15.4 conditional approval                                  | Heile       |    | 09:35 AM |
| 5.24 | II | Rules Changes - closing plenary                                | - Nikolich  | 2  | 09:35 AM |
| 5.25 | II | Rules Changes - WG Electronic Balloting                        | - Sherman   | 5  | 09:37 AM |
| 5.26 | II | Rules Changes - 2nd vice chair                                 | - Thompson  | 5  | 09:42 AM |
| 5.27 | II | Quorum issues  | - Thompson  | 5  | 09:47 AM |
| 5.28 | II | 802 coordination with IEEE-SA for Eballoting tools development | - Thompson  | 2  | 09:52 AM |
| 5.29 | II | Meeting planner RFP status                                     | - Rigsbee   | 2  | 09:54 AM |
| 5.30 | II | Database status  | - Rigsbee   | 2  | 09:56 AM |
| 5.31 | II | 802.1 PARs to review: MAC service revision, topology discovery | - Jeffree   | 2  | 09:58 AM |
| 5.32 | II | 802 Ballot Pool  | MLN         | 1  | 10:00 AM |
| 5.33 | II | 802.9 call for interest  | Roy         | 1  |          |

The approval of the minutes of the previous meeting were removed from the consent agenda.

**Moved: Approve the agenda as modified.**

**Moved: Bob Grow/Carl Stevenson**

5 **Passes:10/0/0**

**3.00 APPROVE / MODIFY MINUTES OF PREVIOUS MEETING - Nikolich 5 08:05 AM**

Modify the closing SEC minutes to reflect the changes made online during the meeting that were not reflected in the file submitted to the secretary.

**Moved: To approve the minutes of the closing March 2002 SEC as modified.**

10 **Moved: Carl/Bill Q**

**Passes: 8/0/2**

**4.00 TREASURER'S REPORT - Quackenbush 10 08:10 AM**

Registrations were higher than budgeted. Loss expected for meeting was approximately \$10k less than projected. The budgeted operating reserve is sufficient to get to the July 2003. The books have been audited for the last two years. The most recent audit result showed no problems.

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**IEEE Project 802  
Statement of Operations  
March, 2002 Plenary Meeting**

| Meeting Income   | Actual         | Budget          |
|--|----------------|-----------------|
| 257 Registrations @ \$300                                | 77,100         |                 |
| 715 Registrations @ \$250                                | 178,750        |                 |
| 0 Registrations @ \$100                                  | 0              |                 |
| 21 Cancellations @ \$50                                  | 1,050          |                 |
| 1 other @ \$100  | 100            |                 |
| Registraion Subtotal                                     | <u>257,000</u> | 234,000         |
| 1 Deadbeat Payment @ \$300                               | 300            | 0               |
| Interest   | 149            | 150             |
| Other  | <u>0</u>       | <u>375</u>      |
| <b>TOTAL Meeting Income</b>                              | <b>257,449</b> | 234,525         |
| <b>Meeting Expenses</b>                                  | <b>Actual</b>  | <b>Budget</b>   |
| Audio Visual Rentals                                     | 10,508         | 8,000           |
| Audit  | 5,454          | 5,454           |
| Bank Charges   | 162            | 35              |
| Copying  | 4,194          | 6,000           |
| Credit Card Discounts & Fees                             | 6,703          | 6,426           |
| Equipment Expenses                                       | 0              | 8,000           |
| Get IEEE 802 Contribution                                | 72,900         | 67,500          |
| Insurance  | 1,944          | 0               |
| Meeting Administration                                   | 54,670         | 55,500          |
| Networking   | 7,478          | 10,000          |
| Phone & Electrical                                       | 1,110          | 2,000           |
| Refreshments   | 62,566         | 40,500          |
| Shipping   | 1,966          | 3,000           |
| Social   | 30,288         | 34,200          |
| Supplies   | 17             | 0               |
| Other  | <u>207</u>     | <u>500</u>      |
| <b>TOTAL Meeting Expense</b>                             | <b>260,165</b> | 247,115         |
| <b>NET Meeting Income/Expense</b>                        | <b>(2,716)</b> | <b>(12,590)</b> |
| <b>Expenses from prior meetings</b>                      | <b>0</b>       |                 |
| <b>Reserve for unbilled expenses from prior meetings</b> | <b>5,000</b>   |                 |
| <b>Expenses prepaid for current meeting</b>              | <b>9,200</b>   |                 |
| <b>8July, 2002 Operating Reserve</b>                     | <b>140,825</b> |                 |

## LMSC Budget

|                                  | 2001                         |                           |                         | 2001            | 2002                       |                            |                        | 2002            | 2003                     |                            |                        | 2003            |
|----------------------------------|------------------------------|---------------------------|-------------------------|-----------------|----------------------------|----------------------------|------------------------|-----------------|--------------------------|----------------------------|------------------------|-----------------|
|                                  | Hilton Head<br><i>Actual</i> | Portland<br><i>Actual</i> | Austin<br><i>Actual</i> |                 | St. Louis<br><i>Actual</i> | Vancouver<br><i>Budget</i> | Kauai<br><i>Budget</i> |                 | Dallas?<br><i>Budget</i> | San Fran?<br><i>Budget</i> | Albq.<br><i>Budget</i> |                 |
|                                  | <i>March</i>                 | <i>July</i>               | <i>Nov</i>              |                 | <i>March</i>               | <i>July</i>                | <i>Nov</i>             |                 | <i>March</i>             | <i>July</i>                | <i>Nov</i>             |                 |
| <b>Meeting Income:</b>           |                              |                           |                         |                 |                            |                            |                        |                 |                          |                            |                        |                 |
| Registrations                    | 1,094                        | 1,019                     | 936                     |                 | 972                        | 850                        | 825                    |                 | 800                      | 750                        | 700                    |                 |
| Preregistration fee              | 250                          | 250                       | 250                     |                 | 250                        | 250                        | 250                    |                 | 250                      | 250                        | 250                    |                 |
| On-site registration fee         | 300                          | 300                       | 300                     |                 | 300                        | 300                        | 300                    |                 | 300                      | 300                        | 300                    |                 |
| Average Fee                      | 265                          | 263                       | 260                     |                 | 264                        | 255                        | 255                    |                 | 255                      | 255                        | 255                    |                 |
| <b>Subtotal</b>                  | <b>290,200</b>               | <b>267,550</b>            | <b>243,450</b>          | <b>801,200</b>  | <b>257,000</b>             | <b>216,750</b>             | <b>210,375</b>         | <b>684,125</b>  | <b>204,000</b>           | <b>191,250</b>             | <b>178,500</b>         | <b>573,750</b>  |
| Bank Interest                    | 343                          | 336                       | 171                     | 850             | 149                        | 150                        | 150                    | 449             | 150                      | 150                        | 150                    | 450             |
| Other                            | 49,109                       | 4,700                     | 300                     | 54,109          | 300                        | 375                        | 375                    |                 | 375                      | 375                        | 375                    |                 |
| <b>TOTAL Income</b>              | <b>339,652</b>               | <b>272,586</b>            | <b>243,921</b>          | <b>856,159</b>  | <b>257,449</b>             | <b>216,900</b>             | <b>210,525</b>         | <b>684,574</b>  | <b>204,150</b>           | <b>191,400</b>             | <b>178,650</b>         | <b>574,200</b>  |
| <b>Meeting Expenses:</b>         | <i>March</i>                 | <i>July</i>               | <i>Nov</i>              | <i>2001</i>     | <i>March</i>               | <i>July</i>                | <i>Nov</i>             | <i>2001</i>     | <i>March</i>             | <i>July</i>                | <i>Nov</i>             | <i>2001</i>     |
| Audio Visual Rentals             | 10,482                       | 7,238                     | 10,223                  | 27,942          | 10,508                     | 9,000                      | 9,000                  | 28,508          | 9,883                    | 9,883                      | 9,883                  | 29,648          |
| Bank Charges                     | 1                            | 3                         | 2                       | 6               | 162                        | 35                         | 35                     | 232             | 40                       | 40                         | 40                     | 120             |
| Copying                          | 2,267                        | 5,987                     | 5,201                   | 13,455          | 4,194                      | 6,000                      | 6,000                  | 16,194          | 5,500                    | 5,500                      | 5,500                  | 16,500          |
| Credit Card Discounts            | 8,334                        | 7,667                     | 6,740                   | 22,742          | 6,703                      | 6,069                      | 5,891                  | 18,663          | 5,712                    | 5,355                      | 4,998                  | 16,065          |
| Equipment Purchase               | 704                          | 25,406                    | 11,150                  | 37,259          | 0                          | 8,000                      | 8,000                  | 16,000          | 9,000                    | 9,000                      | 9,000                  | 27,000          |
| IPF/Escrow/FreeStds              | 215,100                      | 78,000                    | 68,625                  | 361,725         | 72,900                     | 63,750                     | 61,875                 | 198,525         | 60,000                   | 56,250                     | 52,500                 | 168,750         |
| Meeting Planners                 | 62,715                       | 49,291                    | 55,830                  | 167,836         | 54,670                     | 53,250                     | 52,125                 | 160,045         | 52,800                   | 50,500                     | 48,200                 | 151,500         |
| Network                          | 0                            | 4,300                     | 0                       | 4,300           | 7,478                      | 10,000                     | 10,000                 | 27,478          | 10,000                   | 10,000                     | 10,000                 | 30,000          |
| Phone & Electrical               | 1,952                        | 51                        | 2,137                   | 4,139           | 1,110                      | 2,000                      | 2,000                  | 5,110           | 2,100                    | 2,100                      | 2,100                  | 6,300           |
| Refreshments                     | 62,978                       | 44,901                    | 56,341                  | 164,220         | 62,566                     | 35,700                     | 45,375                 | 143,641         | 36,000                   | 37,500                     | 28,000                 | 101,500         |
| Shipping                         | 2,448                        | 775                       | 2,219                   | 5,442           | 1,966                      | 3,000                      | 3,000                  | 7,966           | 3,100                    | 3,700                      | 3,700                  | 10,500          |
| Social                           | 35,332                       | 22,383                    | 29,095                  | 86,809          | 30,288                     | 31,450                     | 41,250                 | 102,988         | 16,800                   | 15,750                     | 14,700                 | 47,250          |
| Supplies                         | 0                            | 0                         | 0                       | 0               | 17                         | 0                          | 0                      | 17              | 0                        | 0                          | 0                      | 0               |
| Other                            | 8,098                        | 2,889                     | 2,156                   | 13,143          | 7,605                      | 500                        | 2,000                  | 10,105          | 4,913                    | 500                        | 2,000                  | 7,413           |
| <b>TOTAL Meeting Expense</b>     | <b>410,411</b>               | <b>248,890</b>            | <b>249,719</b>          | <b>909,020</b>  | <b>260,165</b>             | <b>228,754</b>             | <b>246,551</b>         | <b>735,469</b>  | <b>215,848</b>           | <b>206,078</b>             | <b>190,621</b>         | <b>612,546</b>  |
| <b>NET to Operating Reserve</b>  | <b>(70,758)</b>              | <b>23,696</b>             | <b>(5,798)</b>          | <b>(52,860)</b> | <b>(2,716)</b>             | <b>(11,854)</b>            | <b>(36,026)</b>        | <b>(50,895)</b> | <b>(11,698)</b>          | <b>(14,678)</b>            | <b>(11,971)</b>        | <b>(38,346)</b> |
| <b>Opening Reserve</b>           | <b>81,418</b>                | <b>131,034</b>            | <b>153,853</b>          |                 | <b>148,065</b>             | <b>145,349</b>             | <b>133,495</b>         |                 | <b>97,470</b>            | <b>85,772</b>              | <b>71,094</b>          |                 |
| <b>Projected Closing Reserve</b> | <b>10,659</b>                | <b>154,730</b>            | <b>148,055</b>          |                 | <b>145,349</b>             | <b>133,495</b>             | <b>97,470</b>          |                 | <b>85,772</b>            | <b>71,094</b>              | <b>59,124</b>          |                 |
| <b>Projected Closing Cash</b>    | <b>(541)</b>                 | <b>152,730</b>            | <b>146,055</b>          |                 | <b>143,349</b>             | <b>131,495</b>             | <b>95,470</b>          |                 | <b>83,772</b>            | <b>69,094</b>              | <b>57,124</b>          |                 |

**5.00 II Notice: Friday Plenary (1pm - 6pm)**

- **Nikolich**

**2 08:20 AM**

The closing meeting will be Friday 1pm-5pm, followed by a joint meeting with the BOG from 5pm-6pm.

Notice:

July 2002 closing SEC Meeting

Friday 1:00pm – 5:00pm

SEC/BoG joint meeting

Friday 5:00pm – 6:00pm

Get file from Paul.

# Tutorials

- Monday 6:30-8:30PM
  - IEEE-SA Staff overview on the Standards Development Process
- Monday 8:30-10PM
  - Open
- Tuesday 6:30-8PM
  - IEEE-SA Staff overview on the Standards Development Process
- Tuesday 8-9:30PM
  - Open



**5.02 II PAR reminders (802.1, 802.16)**

**- Nikolich**

**2 08:24 AM**

Comments are due back to the WG chairs by 5pm Tuesday on the PARs from 802.1 and 802.16.

# PAR reminders

- 802.1
  - Station and MAC connectivity discovery
  - Revision of MAC service
- 802.16
  - Conformance Test Methodology
  - 802.16a PAR revision (Purpose change)



# Standards Board Actions

- Standards Board Actions
  - 802.3ae 10G Enet approved
- Approved PARs
  - P802.3aj Maintenance #7
  - P802.16c (profiles)
- Approved Revised PARs
  - P802.15.2 PAR name change
  - P802.16a (combined with dot16b)
- Approved extension request
  - none
- Withdrawn Standards
  - none

**5.04 II REVCOM Actions (802.3ae approved)**  
Presented as part of Agenda item 5.03.

- **Nikolich 2 08:28 AM**

**5.05 II IEEE-SA Mtgs**

- **Nikolich 2 08:30 AM**

# IEEE-SA Meeting Schedules:

## IEEE-SA Registration Authority Committee

Tues 6 – 9:30PM Tony Jeffree, chair

## IEEE-SA Governer Board of Govenor's Meetings

Wed 3 – 6pm Caucus

Thus 8 – 5pm BoG

Fri 8 – 3:30pm BoG

Fri 5 – 6pm joint BoG/802 meeting

## IEEE-Canada Standards Committee

Tues 1-5pm

Weds 8a – 12 noon

Moved: That anyone with an IEEE-Canada badge be made welcome at our meeting.

Moved: Geoff/Carl

Passes: 11/0/0

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**5.06 II LMSC Meeting Fee Waivers**

- **Nikolich 2 08:32 AM**

# Meeting Fee Waivers

## July 2002

- The following fees have been waived for July 2002 meeting by the chair.
  - IEEE-SA Staff Participants
    - Jerry Walker, Karen Rupp, Judy Gorman
    - Jennifer Longman, Angela Ortiz,
    - MaryLynn Nielson, Angela Landron, Anita Ricketts
    - Pam Deese, Bernie Wilder, Yvette Ho-Sang
    - Rona Gertz, Terry DeCourcelle





# 2<sup>nd</sup> VC Process

- Mat Sherman appointed/elected to non-voting 2<sup>nd</sup> VC position Mar-2002
- Pending successful adoption of 2<sup>nd</sup> VC rules changes at Friday SEC meeting, 2<sup>nd</sup> VC position becomes a voting SEC position
- If above rules change passed, Mat Sherman gains SEC voting rights at the end of the July 2002 plenary session
  - Holds 2<sup>nd</sup> VC voting position until re-affirmation March 2004

**5.08 II Liaison to ITU-T SG16 & SG17**

**- Takefman 5 08:36 AM**

5 Liaison letter was received by SEC chair and copied to 802.17. Response letter was sent to the SEC reflector by Mike for review and comment. Comments must be received by 802.17 by Tuesday. Final letter must be sent to ITU-T by July 15. Mike will present the letter personally in Oslo.

**5.09 ME Sponsorship contribution to SC-25 (cabling)**

**- Thompson 2 08:41 AM**

10 TIA sent a solicitation letter asking for sponsorship contributions for the SC25 meeting they will host in the US. Special sponsorship for SDOs was created in response to a request from Geoff. The email from TIA and details are presented below.

Date: Tue, 28 May 2002 22:42:28 -0400  
From: "Susan HOYLER" <shoyler@tia.eia.org>  
To: "Thompson, Geoff [SC100:321:EXCH]"<gthompso@americasm06.nt.com>  
Subject: TIA will be pleased to offer a special sponsorship to  
5 Standards Developer Organizations (SDOs)

TIA will be pleased to offer a special sponsorship to Standards Developer  
Organizations (SDOs) for \$500 for the upcoming SC25 meeting in September 2002.

10 Please let me know if you need a separate letter providing details or if  
you will use the original letter sent to you in your capacity as a  
representative of Nortel Networks to inform your constituency.

15 A reply from IEEE 802 would be needed no later Monday, July 15 so that  
proper signage can be designed for the event.

Regards,

20 Susan Hoyler  
Director, Standards Development and Promotion  
703.907.7704  
shoyler@tia.eia.org

-----  
25 Topic: IEEE 802 support of Sponsorship of JTC-1 SC25 Plenary

Actual meeting Sponsor: TIA

30 Venue: Washington, DC September 2002

Proposed Amount: \$500

35 Value: IEEE 802 Logo to appear on meeting signage  
Good will to supporting SDO  
Improve USA as international standards venue

Rationale: SC25 has supported 802 wire line standards by  
developing international premises cabling standards  
40 SC25's last meeting in USA was 1991

Affordability: Grow says we can afford it.  
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**Moved: 802 provide a “special sponsorship” for the upcoming SC25 meeting in September in the USA in the amount of \$500.**

5 **Moved: Thompson/Grow**  
**Passes: 11/0/0**

**5.10 DT 802 & BOG Meeting Agenda review - Nikolich 5 08:43 AM**

10 BoG Members:

Ben Johnson, SA president

Gerald Peterson, SA president elect

Jim Carlo, StB chair

Don Heirman, SA past president

15 Dick Holleman, treasurer

Judy Gorman, Secretary

Chuck Adams, Roy Alexander, Dan Benigni, Dennis Bodson, Stephen Diamond, Al Kiener, Bruce McClung, Paul Menchini; members at large

Wally Read, Don Fleckstein, Lowell Johnson (unknown position/title)

20

# Joint 802 and BoG meeting

- Meeting agenda topics:
  - Improve communications and cooperation between BoG and 802
  - High cost of standards (Get802 program?)
  - Conformance/Certification Policy
  - Trademark policy
- Process:
  - List topics
  - Discuss first topic in detail, attempt to resolve issues “on the spot”
  - Establish a process to address remaining topics and resolve issues

# Joint SEC/BoG Topics Details

(1) The interests of the IEEE-SA are often out of alignment with those of the volunteers, so that the two are too often working at cross purposes. In order to aid in understanding each others goals, we need to clarify the roles and responsibilities of the IEEE-SA Staff, IEEE-SA BoG and the IEEE 802 Sponsor.

Suggestion: Ensure that staff values the standards developers and understands their goals. Likewise, be open with volunteers concerning staff goals. Be open to procedural changes to align the efforts.

(2) The high cost of standards limits the accessibility of our work and makes IEEE less competitive in attracting standards programs.

Suggestion: Reconfigure the IEEE-SA as a lean organization able to thrive Without revenue from sales of individual standards.

(3)--The objective of the current Conformance/Certification policy must be clarified. IEEE 802 believes IEEE-SA should focus on exclusively on facilitating the publication and maintainence of high quality standards, and not get involved in conformance/certification activities.

Suggestion: IEEE-SA should encourage product vendors to self-certify their implementations using whatever process/mechanism is acceptable to the product vendors and their customers. This policy minimizes liability for IEEE-SA and is pratical for the industry.

(4)--The Trademark policy is meant to establish IEEE-SA brand identity and ensure proper acknowledgement in the marketplace. 802 agrees with the objective.

Suggestion: the IEEE-SA ensure the trademark policy to be in line with current industry practice.

# SA Position Statement Discussion

- Current rule ambiguous
  - Do 802 position statements need to be approved by BoG or Standards Board?

## **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 or international standards organization. These procedures should state a means for determining a Sponsor position and a methodology for presentation of position statements. These procedures shall also conform to the IEEE-SA procedures as administrated by the IEEE-SA Board of Governors (BOG) and stated in [subclause 6.5](#) of the *IEEE Standards Association Operations Manual*.

Each position statement shall clearly state the group forming this position in its opening paragraph. The IEEE-SA Standards Board shall include a cover letter with each position statement at the time such statements are forwarded to the IEEE-SA BOG. This cover letter shall include, at a minimum, the intended recipient of the position statement; the time sensitivity of the position statement; and why the position statement is needed.

Electronic copies of all position statements shall be sent to the [Secretary of the IEEE-SA Standards Board](#) and the [Secretary of the IEEE-SA BOG](#), who shall forward such statements to the IEEE-SA BOG for appropriate action. 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 standards matter, they shall do so after agreement from the IEEE-SA BOG.



**IEEE Standards Association  
BOARD OF GOVERNORS MEETING  
Fairmont Hotel Vancouver  
Vancouver, British Columbia  
10-12 July 2002**

5

10 ***IEEE-SA BOG Meeting Schedule:***

***Wednesday, 10 July***

*1:00-3:00PM – 3”P’s” Meeting*

*3:00-6:00PM –IEEE-SA BOG Caucus*

*6:30-9:00PM – IEEE 802 Social*

15

***Thursday, 11 July***

*8:30 –9:00 A.M Breakfast in Conference Room*

*9:00 A.M. – 5:00 P.M. IEEE-SA BOG Meeting*

*12:00-1:00PM Luncheon*

20

*6:00-8:30PM – IEEE-SA BOG Dinner (offsite)*

***Friday, 12 July***

*8:30 –9:00 A.M Breakfast in Conference Room*

*9:00A.M. – 3:30 P.M. – IEEE-SA BOG Meeting*

25

*12:00-1:00PM Luncheon*

*5:00 – 6:00 P.M. - Joint IEEE-SA BOG and IEEE 802 SEC Meeting*

*6:00 – 8:00 P.M. – Joint IEEE-SA BOG and IEEE 802 SEC Reception*

30

**IEEE-SA BOG Caucus**

**Wednesday, 10 July – 3:00-6:00PM**

**1. IEEE Individual Membership Draft Proposal – C. Adams/P. Menchini/W. Lowell**

**2. Copyright/Trademark/Certification Update – Jerry Walker (*tentative*)**

35

**3. Policies and Procedures – Mary Lynne Nielsen/Don Heirman (*tentative*)**

**IEEE-SA BOG Meeting**

**Thursday, 11 July**

**9:00 A.M. -5:00 P.M.**

**Friday, 12 July**

**9:00A.M. – 3:30 P.M.**

5

**1. Call to Order**

---

**2. Approval of Agenda**

---

10

**3. Legal Issues – S. Tatiner (Y. Ho Sang)/P. Deese**

---

**4. Policies and Procedures – Mary Lynne Nielsen/Don Heirman**

15

**4.1 Proposed Changes to the IEEE-SA Operations Manual – Mary Lynne Nielsen**

**Executive Summary:**

A group of changes to the IEEE-SA Operations Manual is offered to the IEEE-SA BOG for approval. The changes cover the following areas:

20

- 1) Better reflecting the global nature of the IEEE and the IEEE-SA in the Operations Manual
- 2) Clarifying language on awards and creating a new award
- 3) Aligning the appeals process with that of the IEEE-SA Standards Board

25

**ACTION**

---

**4.2 Conformance – Don Heirman**

**Executive Summary:**

30

The present language in the Operations Manual does not fully encompass the current activities of the IEEE-SA with regards to conformance. The proposed changes to the Operations Manual rectify this situation.

**ACTION**

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35

**4.3 Report of the ad hoc committee on the method by which the IEEE-SA President is elected – Don Fleckenstein**

**Executive Summary:**

There are concerns about the election process and the term of office for the President of the IEEE-SA. The ad hoc group was asked to address these issues and provide a recommendation.

40

**ACTION**

---

#### 4.4 Position Statements – Mary Lynne Nielsen

##### Executive Summary:

5 Further clarification is needed regarding approval of position statements.

ACTION

---

#### 10 5. President's Report – Ben Johnson

##### Executive Summary:

Ben will give an update on his activities since the February meeting

#### 15 INFORMATION

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##### 5.1 Nanotechnology Council approved

##### Executive Summary:

20 In accordance with SASB Bylaws section 5.2.2 - Sponsor, The IEEE-SA Standards Board unanimously approved a motion recommending the formation of the Nanotechnology Council as a standards sponsor within the IEEE-SA.

ACTION

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#### 25 5.2 The Corporate Advisory Group as a Standards sponsor

##### Executive Summary:

Discussions at the recent meeting of the Procedures Committee, indicated approval for the future formation of the CAG as a Standards Sponsor.

30

INFORMATION

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##### 5.3 ANSI National Standards Strategy

##### 35 Executive Summary:

Dan Senese sent a letter to ANSI on 21 March 2002 noting that IEEE has endorsed the ANSI National Standards Strategy as recommended by the IEEE-SA BOG.

INFORMATION

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40

**6. Managing Director's Report – Judy Gorman**

6.1 Business Strategy Update

**5 Executive Summary:**

The Business Strategy as written is under revision. This report reflects the state of the health of our organization. Many new programs have been introduced this year, even with a decline in resources.

INFORMATION

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**7. Committee Reports**

7.1 Finance Report – Dick Holleman

7.1.1 2003 Budget

7.1.2 New Initiatives Committee – J. Peterson

15 7.1.3 SA New Initiatives 2003 – Karen Rupp

7.2 Awards Report – Dan Benigni

7.3 N&A Committee Report – Marco Migliaro

7.4 Meetings and Services Committee Report – Al Kiener

7.5 RAC Report – Tony Jeffree

20

INFORMATION

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**8. IEEE ISTO Update – Dick Holleman**

**25 Executive Summary:**

Dick Holleman, SA Representative to the ISTO, will provide an update of activities.

INFORMATION

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**30 9. IEEE-SASB Report – Jim Carlo**

**Executive Summary:**

The IEEE-SA Standards Board has met twice since the last BoG meeting. Jim Carlo, Chair of the IEEE-SASB, will provide an update on their activities and actions.

35

INFORMATION

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**10. International Programs Report – Terry deCourcelle**

**40 Executive Summary:**

A report will be given on the following items :

ISO Pilot Project

Sector Membership in the ITU

Region 8 Activities

5 IEC Dual Logo Agreement

Region 9 Translations

## INFORMATION

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10 **10.1 Annual Report of the IEEE Canada Standards Committee – Doug Topping**

### **Executive Summary:**

The report will cover globalization activities, Canadian activities and strategic planning.

15 INFORMATION

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**10.2 Individual Member Dues Structure Proposal Actions – Karen McCabe**

### **Executive Summary:**

20 An action item from the 2/02 meeting was that staff present a preliminary draft of a plan by the July BOG meeting that relates the IEEE-SA individual member dues to the costs of running the SA and contains a long-term vision for changing the SA funding model with the intent of implementing an appropriate dues increase for 2004.

### **ACTION:**

25 Request that the IEEE-SA Board of Governors approve in principle the draft proposal for a new individual membership program and that the IEEE-SA BOG direct the team to circulate a final proposal prior to the December BOG meeting for approval/disapproval action to be taken at that meeting.

---

30 **10.3 Voting Systems Standards Development Update – Don Heirman**

### **Executive Summary:**

35 The Voting Standard activity now has over 150 working group members. A letter requesting IEEE membership in the Federal Election Commission is being considered. Don Heirman, Standards Board Vice Chair and Steve Berger, Standards Board member, remain actively involved.

## INFORMATION

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**10.4 Get IEEE 802™ Program – Jerry Walker**

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5 Since the last meeting, Jerry Walker has worked with P. Nickolich, H. Frazier and G. Thompson (IEEE 802) to review and solidify the *Get IEEE 802™* program requirements and agreement. This was in response to the IEEE 802 Plenary reaction to the March BOG motion to adjust the program wait period from six to twelve months. Subsequently, the motion was suspended pending the above task force resolution of issues. The resolutions have been captured in an agreement document that is to be ratified at the July joint meeting of the IEEE-SA BOG and IEEE 802 Plenary in Vancouver. A copy of the agreement will be made available prior to the meeting.

## ACTION

---

### 10 10.5 Copyright/Trademark/Certification Activity Update – Jerry Walker

#### Executive Summary:

15 Since the last meeting, Claudio Stanziola and others have worked with IEEE-SA counsel and the 802 Task Force to revise the Trademark and Conformance Statement Policy to better meet the needs of industry while preserving the interests of the IEEE. The resulting changes will be discussed and ratified at the July meeting of the IEEE-SA BOG in Vancouver. A copy of the changed policy will be made available prior to the meeting

## INFORMATION

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### 20 10.6 Update on Optimized Standards Services – Yvette Ho Sang

#### Executive Summary:

25 The Optimized Standards Services (OSS) program is a key element of the IEEE-SA Business Strategy, 2001-2006. The program will establish a new model for standards development aimed at empowering volunteers and reinvigorating the IEEE-SA standards Program.

## INFORMATION

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### 30 10.7 Update on FTC/DOJ Hearings on IP Issues – Dick Holleman

#### Executive Summary:

Dick Holleman reported that there are ongoing hearings sponsored by the U.S. Dept. of Justice and the Federal Trade Commission (FTC) that might impact the way IEEE handles Intellectual Property Rights issues.

## 35 INFORMATION

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### 10.8 Update on IEEE/NEMA Relationship – Terry deCourcelle

#### Executive Summary:

40 The MOU between the IEEE and NEMA has been terminated effective 10 June 2002. Since that time, dialog between the parties has continued regarding future activities.

INFORMATION

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**10.9 JTC1 Secretariat Funding Issue – Bob Pritchard**

5 **Executive Summary:**

Bob is seeking approval for a payment of \$29.5 in 2003 and to reconfirm the SC7 TAG fee for 2003 of \$600.

ACTION

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10 **11 C63 Secretariat**

**Executive Summary:**

INFORMATION

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**12. Next Meeting**

The next meeting of the IEEE-SA BOG will be 5-7 December at the Hyatt Coconut Point Resort, Bonita Springs, FL. The Awards Ceremony will take place Sunday evening at 7:00 P.M. on 8 December.

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20 **13. Adjournment**

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In addition to the IEEE-SA BoG meeting, the IEEE Canada Standards Committee is also meeting in Vancouver this week. Their agenda is attached.

## **AGENDA**

### **IEEE Canada Standards Committee**

**9-10 July 2002**

**Tweedsmuir Room, Conference Floor**

**Fairmont Hotel Vancouver**

**Vancouver, BC Canada**

1. Welcome: Doug Topping

1a. New Member: C. Philip Choy (via telecon on 10 July)

2. Approval of Agenda: Doug Topping

3. Approval of 17 April 2002 Telecon Minutes: Doug Topping

4. CNC/IEC Activities: Helen Sam

5. Update on IEEE/IEC Dual Logos on Standards: Judy Gorman/Terry deCourcelle

6. WTO/TBT Activity: Jim Gurney

7. Region 7 Activity: Dave Kemp (via telecon on 10 July)

8. Strategic Planning Session: All (attachment to be sent by Henry Shein)

9. Next Meeting: All



**5.11 DT IEEE-SA Position Statement policy discussion - Nikolich 5 08:48 AM**

Roger: in the Model Rules for a Standards Developing Group, it states that the Group should be able to publish position statements without other approval.

5

General: this is definitely a problem for time critical response items, such as regulatory position statements. We will never get a statement submitted in time, if we need to get BoG approval of all of them.

**5.12 DT GET802 program update - Walker 5 08:53 AM**

10 Jerry Walker presented an update of the Get IEEE802 program and the pre-final agreement implementing the program.

**GET IEEE**  
**802**

TM



# ***Get IEEE 802™ Update 4***

**IEEE Standards Association**

**Jerry Walker, Director**

**IEEE 802 Opening SEC**

**8 July 2002**

**Vancouver, BC**



## IEEE 802/IEEE-SA Partnership History

- *Agreed upon 3-year pilot program March 2001*
- *Live 15 May 2001*
- *BOG motion to increase wait period (Feb 2002)*
- *SEC motion to withhold payments pending mutual agreement (March 2002)*
- *BOG motion to delay implementation pending task force resolution (April 2002)*
- *Task force discussions via weekly teleconferences*
- *SEC motion to release contributions (June 2002)*
- *New Agreement (July 2002)*

Get *IEEE 802™* Update 4

# IEEE 802/IEEE-SA

- **Task Force**
  - **Howard Frazier**
  - **Paul Nikolich**
  - **Geoffrey Thompson**
  - **Jerry Walker - Staff**

# Task Force Recommendations

- Revised 2002 budget
- Execute Program Agreement
- Continue solicitation
- User type ID via popup check box
- Voluntary Opt In

Get *IEEE 802™* Update 4

# IEEE 802/IEEE-SA Agreement

- **Current Standards Only\***
- **PDF Only**
- **Six Month Wait**
- **Three-Year Pilot**
- **Annual review**
- **Sponsorship**

Get **IEEE 802™** Update 4

# SEC Sponsor Periods

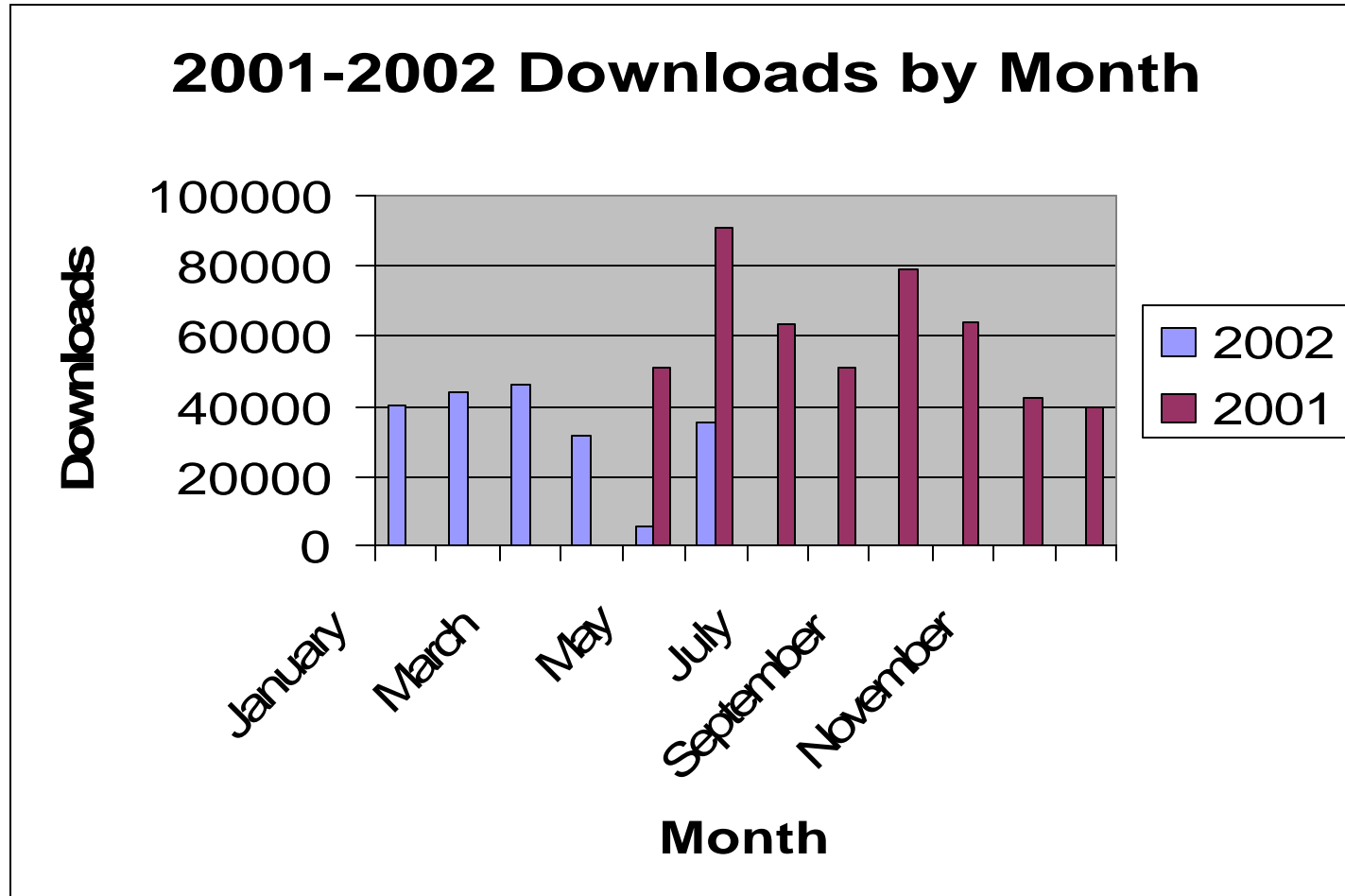
| Plenary           | Start                 | End                  |
|-------------------|-----------------------|----------------------|
| July, Nov 2000    | Start-up contribution |                      |
| March 2001        | May 2001              | August 2001          |
| July 2001         | September 2001        | December 2001        |
| November 2001     | January 2002          | April 2002           |
| <b>March 2002</b> | <b>May 2002</b>       | <b>August 2002</b>   |
| <b>July 2002</b>  | <b>September 2002</b> | <b>December 2002</b> |
| November 2002     | January 2003          | April 2003           |
| March 2003        | May 2003              | August 2003          |
| July 2003         | September 2003        | December 2003        |
| November 2003     | January 2004          | April 2004           |



## SPONSORS

- **Applied Micro Circuits Corp. (AMCC)**
- **Cisco Systems**
- **TDK**
- **Broadcom Corp**
- **(Intel)**
- **(Philips Electronics NA)**
- **(Nortel)**
- **Others**

# Download Activity (30 Jun 02)



Get *IEEE 802™* - Update 3

## Going Forward

- **Approve/endorse agreement**
- **Help with the solicitations**

**Thank You!**

# Get IEEE 802<sup>®</sup> Program Agreement

The objective of the *Get IEEE 802<sup>™</sup>* program is to achieve maximal, unencumbered availability of all IEEE 802<sup>®</sup> standards. The terms of the program, as agreed to by the IEEE Standards Association (IEEE-SA) and the IEEE 802 Standards Executive Committee (SEC), is as follows:

## 1. Current standards only

It is agreed that only current standards will be included in the program. Superseded, withdrawn, historical standards and/or drafts will not be available in the program but will be made available for purchase. An exception to the “current standards” rule will be editions that are created to incorporate revisions after the second supplement is published. These superseded documents will remain in the program until the new document qualifies for the program. In addition, documents subject to the wait period will be listed on the website with a link to a site where the documents may be purchased.

## 2. PDF only

It is agreed that only Portable Display Format (PDF) document files of all current IEEE 802<sup>®</sup> standards will be posted to the website for no-cost access after the wait period. Print and PDF documents will be available for purchase during the wait period, and print document sales will continue after the six-month wait period.

## 3. Six month wait period

The six-month wait period begins on the posting date of the PDF publication and ends six months after that date at which point the PDF is posted to the program website for access. The wait period shall not exceed 194 days.

## 4. Three year pilot

The program is implemented as a three-year pilot program beginning in May 2001. It is our intent to establish a permanent program. During the pilot period, program terms (e.g., sales/sponsorships, wait period, content, etc.) will be evaluated and refined, as necessary, in a good faith attempt to establish a viable permanent program.

## 5. Annual review

At least once annually in March of each year, and more frequently, if needed, the program terms will be reviewed jointly by the signatories and, if warranted and mutually agreed to, adjusted based on a +/- 20% deviation in projected revenues to ensure the continued viability of the program. Any adjustment(s) will be based on the needs of IEEE-SA, SEC and the marketplace. If mutual agreement cannot be achieved, the pilot program will be terminated.

A formal report on the program status, performance and revenues shall be provided to the SEC at each meeting of same.

## 6. Sponsorship

- a. The SEC will support the program at the level of \$75 per paid plenary meeting attendee, recognizing the revenue impact of allowing IEEE 802<sup>®</sup> standards to be made available in PDF format at no charge. The Plenary meeting payment extends the program from the beginning of the “Start” month through the end of the “End” month per the schedule below.

IEEE 802 Plenary Support Schedule

| Plenary        | Start                 | End           |
|----------------|-----------------------|---------------|
| July, Nov 2000 | Start-up contribution |               |
| March 2001     | May 2001              | August 2001   |
| July 2001      | September 2001        | December 2001 |
| November 2001  | January 2002          | April 2002    |
| March 2002     | May 2002              | August 2002   |
| July 2002      | September 2002        | December 2002 |
| November 2002  | January 2003          | April 2003    |
| March 2003     | May 2003              | August 2003   |
| July 2003      | September 2003        | December 2003 |
| November 2003  | January 2004          | April 2004    |

- b. A crucial part of the financial viability of the program is corporate and individual sponsorships. The business and charitable sponsorship schedule appears below:

5

|     | 2001           | 2002     |                      |
|-----|----------------|----------|----------------------|
|     | Initial        | Revision |                      |
|     | \$100,000      | \$50,000 | *INITIATOR SPONSOR   |
| ___ | \$50,000       | \$25,000 | *INITIATOR SUPPORTER |
| 10  | ___            | \$25,000 | **SPONSOR            |
|     | ___            | \$10,000 | **SUPPORTER          |
|     | ___            | \$5,000  | **CONTRIBUTOR        |
|     | ___            | \$_____  | <\$5,000             |
|     | (Enter amount) |          |                      |

10

\* Sponsors at this level will not be solicited for additional support of the Fund.

15

\*\* Sponsors at this level will be solicited each year for support of the Fund.

Business contributions include one-year online standards subscriptions at various levels and charitable contributions do not. All contributors are recognized on the program delivery site.

20

Judith Gorman

Managing Director

IEEE-SA

Paul Nikolich

Chairperson

IEEE 802 SEC

One sticky point remains regarding content. Jerry will email the pre-final agreement revision to the SEC for review.

Issue: with the 6 month wait and depending on how it gets published, an amendment can get you into a situation where a standard never becomes available through the program. Each time a new edition comes out, folding amendments into a single document, the base standard becomes unavailable for six months.

Download activity has decreased. This may be due to the unavailability of the 802.3 standard.

Meeting to discuss final details of Get802 program agreement: Wednesday 1-2pm, Windsor room, Hyatt Hotel.

**5.13 DT IEEE Trademark policy & Conformance Statements - Walker 5 08:58 AM**

This will be discussed at the Fairmont Hotel in the Garibaldi room at 10-11 on Wednesday.

**5.14 DT IEEE PR - status update - Marks 5 09:03 AM**

Roger sent out proposed releases to the WG chairs for PR material from the July meeting. There is concern that there is support within 802 for this news bulletin.

Paul proposes a meeting Wednesday 3-4pm to discuss the process for issuing a PR update.

**5.15 DT 09:08 AM**

**5.16 DT OID Arcs and Procedures - Jeffree 10 09:08 AM**

# Registration of Object Identifier arcs for use in IEEE 802 standards

Tony Jeffree  
Thursday, 29 March 2001

5

## Background

During the November 2000 plenary, I raised the issue of providing a common Object Identifier “root” arc that would be available for use by any of the 802 working groups that have the need to name information objects (such as SNMP MIB objects, for example). This was prompted by a particular need within 802.1 to allocate OIDs to the 802.1X MIB.

Hitherto, the allocation of OIDs within 802 has been based largely on the use of “root” arcs handed out by ANSI on a per-standard or per-working group basis; there is a little known, and as far as I know, not formally adopted, procedure whereby these arcs are obtained (see Annex A, “The old procedure” and Annex B, “Existing OID root arcs within IEEE 802” below). Hal Keen documented this procedure around 1995, based on previous practice and some of the material in 802.1F.

Following discussions with Geoff Thompson (see below), the Exec asked me to write up our conclusions and circulate them to the Exec exploder; hence this document.

## A much simpler procedure for future allocations

20

Geoff Thompson pointed out that 802.3 makes use of a root OID arc that is associated with the ISO/IEC 8802 series of standards (i.e., the 802 LAN MAC standards). This arc exists as a consequence of the little-known fact that the act of publishing an ISO standard also has the effect of automatically assigning an OID arc that is “owned” by that standard, and therefore no further administrative effort of the kind described in “The old procedure” (below) is needed before that standard can allocate OID values. The root arc assigned to the 8802 series of standards is:

25

```
iso(1) std(0) iso8802(8802)
```

802.3 makes use of this arc by adding an arc to distinguish 802.3 from other WGs that might use this arc (i.e., to distinguish 8802-3 from 8802-X):

30

```
iso(1) std(0) iso8802(8802) csma(3)
```

In order to fix the 802.1X problem, and also any future allocations needed by 802.1, we have decided to use the following arc in 802.1 from now on:

35

```
iso(1) std(0) iso8802(8802) ieee802dot1(1)
```

By now, it will be fairly apparent that this scheme can be extended for use by any 802 working group, simply by replacing the final arc with “ieee802dot??(??)”, where ?? is the dot number concerned, so for 802.15, the root arc would be:

40

```
iso(1) std(0) iso8802(8802) ieee802dot15(15)
```

Under this scheme, the Working Group would then decide how sub-arcs would be allocated, in a manner that makes sense for their particular needs. For example, in 802.1, we use the next arc to define the type of allocations that are being made. The only type defined so far is for MIBs, but others could be added in the future:

45

```
iso(1) std(0) iso8802(8802) ieee802dot1(1) ieee802dot1mibs(1)
```

Below this arc, each individual MIB gets its own identifier. Again, only 802.1X’s mib (ieee8021paeMIB) appears in this scheme so far, but clearly others can easily be added:

50

```
iso(1) std(0) iso8802(8802) ieee802dot1(1) ieee802dot1mibs(1) ieee8021paeMIB(1)
```

And so on.

None of the above needs to have any effect upon existing standards that have already solved this problem by using a specific allocation obtained from ANSI; the primary aim of documenting this procedure is to avoid the need to go to ANSI for any more root OIDs for any future OID uses that we may have in 802 standards. Clearly, with this scheme, as new dot groups are created, their root OID arc is also created, so the administrative effort required is zero.

As with the previous scheme (such as it is), it is the responsibility of the owner of a particular arc (i.e., the Chair of a dot group) to ensure that any values that are allocated under that arc are documented, in a manner that ensures that the same OID value cannot be assigned to two different objects. In 802.1, this has been achieved in the past for the ANSI allocations by placing tables of OID allocations in Annexes within the standard concerned; in 802.3, a master spreadsheet of allocated OID values is maintained by the Chair and posted on their website. For future allocations in 802.1 using the ISO 8802 arc, I will be adopting a similar approach to 802.3.

Also as with the previous scheme, it is clearly a good idea to construct the allocation scheme below a dot group's root OID in a manner that leaves appropriate "escapes" for uses that cannot be foreseen. I believe the simple expedient of allocating a "type of allocation" arc immediately below the root (as described above) is sufficient to ensure that we don't paint ourselves into any corners here.

## Actions needed

Not terribly many, other than possibly to enshrine the basis of this scheme in the operating Rules to ensure it doesn't get forgotten.

## Annexes:

### A. The old procedure

1. To ensure tracking of all registration activity, the RAC Secretary is copied on all communications with respect to object identifier arc assignments for IEEE standards use.
2. To ensure proper authorization, a request is forwarded to a Standards Department liaison by an appropriate officer of the project making the request. In 802's case, the LMSC Chair will make the requests.
3. To ensure the proper degree of preparation, the request is accompanied by a copy of a page from the draft standard, illustrating the use to which the arc will be put.
4. To ensure correct designations, the Standards Department verifies the title against the standard or active PAR, and corrects it if necessary.
5. The Standards Department prints a copy of the request form letter to ANSI, on IEEE letterhead, incorporating the appropriate status, number, and title information. (Note: The form is obtained from ANSI.)
6. A Standards Department staff member signs the request and forwards it to ANSI for action.
7. When an assignment from ANSI is received, it is recorded in the Standards Department files and reported to the requestor for incorporation in the standard, with a copy to the RAC Secretary.

The following points are specific to Project 802:

8. This procedure supersedes the procedural portions in Annex C of Std 802.1F.
9. The administrative guidelines for 802 information object identifiers, published in 802.1F subclause C.4, remain in effect. In particular, allocation tables are needed for many of the standards for which arcs are requested or have been already assigned.

### B. Existing OID "root" arcs within IEEE 802

At least the following object identifier arc assignments exist and are used within current 802 standards and drafts. In the case of 802.1, which has multiple assignments, the respective standards are listed as well.

The majority of the assignments below are ANSI assignments; these all derive from the parent arc:  
iso(1) member-body(2) us(840)



So, for example, the 802.1D arc would be, in its full form:  
 iso(1) member-body(2) us(840) ieee802dot1D(10009)

5 It is the numbers, not the textual descriptions, which uniquely identify an arc. Where available, the text used in a standard or draft is copied. In some cases (.6, .9), where it was not handy, likely text is supplied.

| 10    | Working Group   | Assignment   |
|-------|---|--|
| 802.1 | LAN/MAN Management:                                       | ieee802-1B(10007)  |
|       | MAC Bridges:  | ieee802dot1D(10009)  |
| 15    | System Load Protocol:                                     | ieee802dot1partE(10010)  |
|       | IEEE 802 Common Definitions:                              | ieee802dot1partF(10011)  |
|       | 802.1X and any future work in 802.1 will use the ISO arc: |  |
|       |   | iso(1) std(0) iso8802(8802) ieee802dot1(1)                                   |
| 20    | 802.2   | ieee802-2(10032)   |
|       | 802.3   | ieee802dot3(10006)<br>also uses ISO arc: iso(1) std(0) iso8802(8802) csma(3) |
| 25    | 802.4   | none yet, and none anticipated   |
|       | 802.5   | ieee802-5(10033)   |
|       | 802.6   | ieee802dot6(10034)   |
| 30    | 802.7   | none yet, and none anticipated   |
|       | 802.8   | none yet, and none anticipated   |
| 35    | 802.9   | ieee802dot9(10035)   |
|       | 802.10  | ieee-802dot10(10022)   |
|       | 802.11  | ieee802dot11(10036)  |
| 40    | 802.12  | ieee802dot12(10037)  |
|       | 802.14  | none yet   |
|       | 802.15  | none yet   |
| 45    | 802.16  | none yet   |

Tony published a document (above) with a suggested procedure for using the ISO/IEC 8802 registration arc ( iso(1) std (0) iso8802 (8802) ) . The suggestion is to include this in the Chair's guidelines. Tony will prepare the text for this guideline and submit it by Wednesday for scheduled approval at the Friday SEC meeting.

5

**5.17 II RAC plans for week - Jeffrey 2 09:18 AM**

Covered earlier.

**5.18 II 802.11 SG: Radio Resource Measurement, High Throughput SGs - Kerry 2 09:20 AM**

# Radio Resource Measurements SG

In May, a motion to form a new IEEE 802.11 Study Group called the Radio Resource Measurement Study Group (RRM SG) was made.

Approved in the WNG SC 54/4/6      Approved in WG Plenary 72/12/17

Purpose: To investigate the feasibility of adding mechanisms for monitoring and reporting radio and MAC status information.

Rationale: As the number and size of wireless networks grow there is an increasing need to monitor network status and health from a central administrative location and provide managed services.

The first RRM SG meeting will be held during the July 2002 session. Interim Chair, Harry Worstell (WG Vice-Chair). Permanent Chair Election to be made, with WG approval.

# High Throughput SG

In May, a motion to form a new IEEE 802.11 Study Group called the High Throughput Study Group (HTSG) was made.

Approved in the WNG SC 44/1/0    Approved in WG Plenary 80/1/16

Purpose: to investigate the feasibility of providing throughputs of at least 2x greater than the existing 802.11 standard.

Rationale: There is a never ending demand for higher data rates. The existing MAC and PHY can be further extended to realize significant speed improvements.

To minimize scheduling conflicts within 802.11 the first HT SG meeting will not start earlier than September 2002 session. Chair selection to be made at the close of this session, with WG approval.

**5.19 II 802.15 Alternate PHY SG update - Heile 2 09:22 AM**

The SG has completed the call for applications and completed a technical requirements document. Target is to submit a PAR for approval at the November meeting. There will be a motion to extend the SG until November.

5

**5.20 II 802.16a, 802.16c readied for Sponsor Ballot - Marks 4 09:24 AM**

Roger expects to make motions for conditional approval to get to sponsor ballot at the closing SEC meeting for 802.16c and 802.16a. The 802.11 and .15 groups were invited to participate in the WG ballot on 802.16a to address any coexistence concerns.

10

**5.21 II 802.18 Status Update - Stevenson 5 09:28 AM**

# 802.18 Radio Regulatory Technical Advisory Group (RR-TAG)

Opening Report to the July 2002 Plenaries  
of 801.11, 802.15, and 802.16

Carl R. Stevenson

Interim Chair, 802.18 RR-TAG

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

[carl.stevenson@ieee.org](mailto:carl.stevenson@ieee.org)

# This Plenary is the Official “Kickoff” Meeting of the 802.18 RR-TAG

- Participation by a reasonable number of members of .11, .15, and .16 is needed to accomplish our work and provide balanced representation of the interests of all of the wireless WGs
- Attendance at .18 sessions counts towards maintaining voting rights in your “home” WG
- Those attending 75% or more of the .18 sessions at this meeting gain voting rights ... after this meeting, normal attendance requirements to gain (and maintain) voting rights will take effect

# Output Documents Produced at the May Joint Interim Meetings of .11/.15/.18

(The RR-TAG operated in an ad-hoc mode at this meeting and the output documents were forwarded to .18 for approval prior to seeking SEC approval.)

- Opposition to ARRL Petition for Reconsideration in ET Docket 98-156 (challenge to Part 15)

(Approved by SEC as IEEE 802 filing, filed with FCC on filing deadline date)

- Comments in response to NPRM in ET Docket 02-98 (proposed upgrade of the Amateur Radio Service to primary status at 2400-2402, plus addition of a primary allocation to the Amateur Satellite Service)

(Approved by SEC as IEEE 802 filing, awaiting filing deadline date)



# Objectives for the July 2002 Plenary in Vancouver, BC, Canada

- Seek TAG affirmation of Chair for 2 year term
- Gain SEC approval of 802.18 TAG Charter
- Present SEC with TAG rules change proposals and pursue the rules change process within SEC
- Report on regulatory issues of interest
- Draft and seek approval of any necessary filings with regulatory agencies
- Hold joint meetings with .11 TGg, TGh, WNG SC (and 802.16 if they desire a joint meeting)

# Regulatory Issues of Interest

- WRC-03 Agenda Item 1.5 (5 GHz Issues)
- ARRL Petition for Reconsideration (ET 98-156)
- FCC NPRM Proposing Amateur Primary Allocations at 2400-2402 MHz (ET 02-98)
- FCC Spectrum Task Force Request for Comments (ET 02-135)
- RF Lighting at 2.4 GHz
- China 2.4 GHz Regulations

# Expected Output Documents

- TAG Charter Proposal for SEC Approval
- TAG Rules Change Proposal for SEC
- Comments to WAC on WRC-03 AI 1.5 (5 GHz Issues)  
(Deadline July 12)
- Letter to CITEP PCC III on WRC-03 Agenda Item 1.5 ???
- Reply to ARRL Comments on Opposition to their Petition for Reconsideration (ET 98-156) (MTALFC)
- Comments on FCC Spectrum Policy Task Force Request for Comments (ET 02-135) (MTALFC)

Is there any potential issue with other IEEE parties with respect to opposition to the ARRL motion for reconsideration? No other IEEE standards groups are participating in this area. There is a BoG member who is also a member of ARRL.

**5.22 II Coexistence ECSG status update - Lansford 2 09:33 AM**

5 Near term and longer term issues. Several conference call with stakeholders in wireless WGs to address the issues. Propose to bring a motion to the SEC closing meeting to authorize the Coexistence TAG. The idea is to create a set of procedures to address coexistence issues, once the TAG is approved.

**5.23 II 802.15.4 conditional approval Heile 09:35 AM**

10 802.15.4 will be asking for conditional approval to go to sponsor ballot at the closing SEC meeting. This may also be the case with 802.15.3.

**5.24 II Rules Changes - closing plenary - Nikolich 2 09:35 AM**

This rules change motion passed. Editorial changes to the text for clarity are being made.

# Pending Rules Changes

- Setting times for Opening/Closing SEC meetings
  - Ballot passed
- Working Group Electronic Balloting
  - Comment resolution (M. Sherman)
- 2<sup>nd</sup> Vice Chair
  - Comment resolution (G. Thompson)
- SEC Email ballot procedure update (B. Grow)
  - Was supposed to go to LB after March 2002 mtg
  - Did not occur, issue LB after July 2002 mtg

# Potential Rules Changes

- Quorum at interim meetings
  - Thompson to draft rules change
- TAG rules changes
  - Stevenson to draft rules change

5.25 II Rules Changes - WG Electronic Balloting - Sherman 5 09:37 AM

Revised text to resolve the issues from the ballot were emailed to the reflector. Intent is to approve at the closing SEC meeting.

5

5.26 II Rules Changes - 2nd vice chair - Thompson 5 09:42 AM

This ballot failed, 2/10/0. Issues were addressed in principal at the resolution meeting: order of succession, tasks of the vice chairs. Revised text will be distributed by Tuesday 8am. Need one more session to ensure that the proposed changes are acceptable. (Tuesday 2-3pm)

10

5.27 II Quorum issues - Thompson 5 09:47 AM

Extensive discussion on the reflector has taken place regarding interim meeting quorum requirements. There is not yet a proposal for a rules change ballot. A meeting to develop a rules change proposal will be Tuesday 3-4pm.

5.28 II 802 coordination with IEEE-SA for Eballoting tools development - Thompson 2 09:52 AM

15

Mary Lynn Nielson and Geoff gave a seminar on electronic balloting at the Standards Forum at the June Standards Board meeting. Geoff has provided our material to IEEE for development of electronic balloting tools. Mary Lynn asked for comments and concerns with electronic balloting

5.29 II Meeting planner RFP status - Rigsbee 2 09:54 AM

20

Final draft of the SOW is still in process. The hope is to complete this by Friday. Meeting Tuesday, Wednesday, and Thursday (if necessary) to complete this.

5.30 II Database status - Rigsbee 2 09:56 AM

25

Received a new edition of the Access database and using it at this meeting. It appears to be working well. Meeting Tuesday at 11am to determine if any further revisions are necessary.

5.31 II 802.1 PARs to review: MAC service revision, topology discovery - Jeffree 2 09:58 AM

30

Mary Lynn distributed lists of the members of the various balloting pools. She asked that the chairs have their members review the material and submit the updates by the end of this week.

Roger asked that the verification process be extended so that people can verify their status as members of a ballot pool without having to attend these meetings. Mary Lynn said that they are working on a "My Ballot" web page that a member can check the pools to which they belong.

35

5.32 II 802.9 call for interest Bynum 10:00 AM

There is an intent to make a call for interest to establish an executive committee study group to address some work being done in 802.3ah (EFM). This call for interest will be made at the November meeting. The result may be to reactivate 802.9 and make use of the work already done there and develop an optical PHY for the ISLAN MAC.

Richard Brand  
Nortel Networks

5 Mr. Paul Nikolich,  
Chairman, IEEE 802

Paul,

10 There have been discussions within the 802.3 Working Group and opinions expressed that encoded Ethernet frames multiplexed over an Integrated Services LAN might better serve the requirements of the service provider community. Some of the work currently being done under the 802.3ah TF may actually be an Integrated Services LAN functioning under another name.

15 The concept of the Integrated Services LAN is historically under the charter of WG 802.9. As a former voting member of the IEEE 802.9 Working Group, I have been approached for guidance. This letter is directed to you in order to give notice to the 802 Executive Committee that a group of individuals working within the LMSC are investigating the possibility of resurrecting the activities in the 802.9 WG, Integrated Service LAN.

20 Thank you,

25 Richard Brand



The SEC meeting adjourned at 10:30am.

**ADJOURN SEC MEETING**

- **Nikolich** **10:30 AM**

**6.00 PL IEEE 802 PLENARY MEETING STARTS**

- **Nikolich** **60** **11:00 AM**

5

**1. MEETING CALLED TO ORDER**

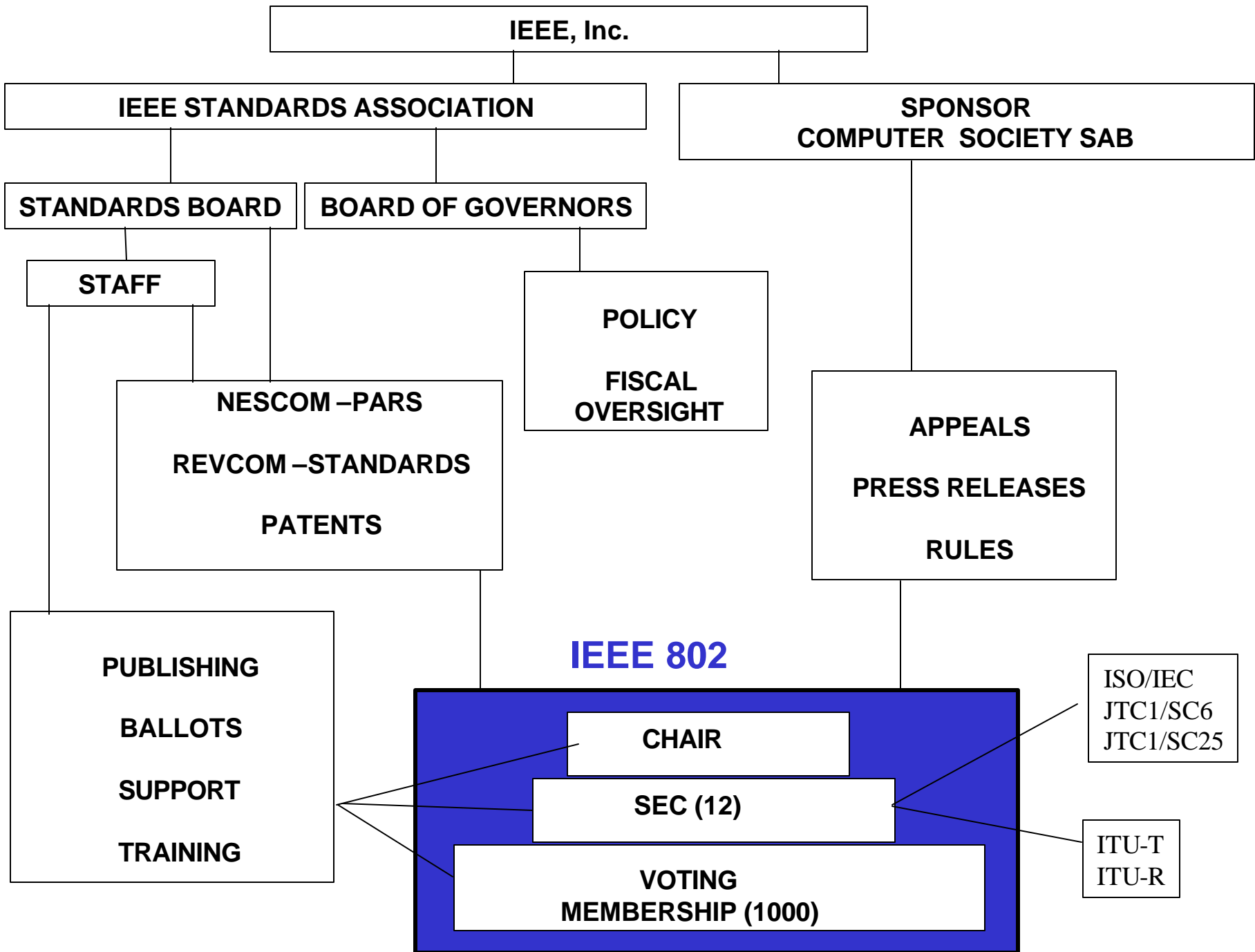
Paul Nikolich called the meeting to order at 11:00 am.

- 11:00 Welcome and Review of SEC Meeting Nikolich

10

# IEEE802 Monday Plenary Agenda

- 11:00 Welcome and Review of SEC Meeting Nikolich
- 11:03 IEEE-SA Organization Carlo
- 11:04 Patent Policy and Membership Rules Thompson
- 11:07 Summarize IEEE 802 Operating Rules changes Sherman
- 11:10 Treasurer's Report Quackenbush
- 11:15 IEEE Project Editors Status Report IEEE Staff
- 11:20 802.1 Architecture & Interworking Jeffree
- 11:25 802.3 CSMA/CD (Ethernet) Grow
- 11:30 802.11 WLAN (Wireless Local Area Network) Kerry
- 11:35 802.15 WPAN (Wireless Personal Area Network) Heile
- 11:40 802.16 BWA (Broadband Wireless Access) Marks
- 11:45 802.17 RPR (Resilient Packet Ring) Takefman
- 11:50 802.18 Radio Regulatory TAG Stevenson
- 11:55 Tutorials Nikolich
- 11:57 Meeting Arrangements Rigsbee
- 12:00 ADJOURN
- [www.ieee802.org](http://www.ieee802.org) **SEC Meeting: 1-6pm, Friday**



# IEEE 802 ORGANIZATION

## SPONSOR EXECUTIVE COMMITTEE (SEC)

**CHAIR**  
Paul Nikolich

### WORKING GROUP/TAG CHAIRS

**802.1**  
**BRIDGING/ARCH**  
Tony Jeffree

**802.3**  
**CSMA/CD**  
Bob Grow

**802.11**  
**WLAN**  
Stuart J. Kerry

**802.15**  
**WPAN**  
Bob Heile

**802.16**  
**BWA**  
Roger Marks

**802.17**  
**ResPackRing**  
Mike Takefman

**802.18 TAG**  
**Radio Regulatory**  
Carl Stevenson

### APPOINTED OFFICERS

**VICE CHAIRs**  
Geoff Thompson  
Mat Sherman

**RECORDING SECY**  
Bob O'Hara

**EXECUTIVE SECY**  
Buzz Rigsbee

**TREASURER**  
Bill  
Quackenbush

### HIBERNATION

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

### DISBANDED

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

SEC Friday Meeting

1:00 – 5:00pm

Joint SEC/BoG Meeting

5:00-6:00pm

**No Thursday Evening  
Meeting**

# Paul Nikolich - IEEE 802 Chair

- EMAIL: p.nikolich@ieee.org
- Phone: 857.205.0050 (Cellular)
- Fax: 781.334.2255
- Independent consultant in technology and new ventures working with YAS Broadband Ventures, LLC. in North Andover MA
- Goals for IEEE 802 – 2002-2004
  - Encourage the development of new standards work
  - Maintain IEEE802's outstanding track record of developing data communications standards that benefit society.
  - Ensure the imperative principals of due process, consensus, openness, balance and rights of appeal are implemented.
  - Increase the efficiency of the standards development process

- 11:03 IEEE-SA Organization

Carlo

# IEEE

## IEEE Standards Association Board of Governors

## IEEE Standards Board

Carlo (Chair)  
Past 802 Chair

NesCom  
PAR Approval

Nikolich

RevCom  
STD Approval

Frazier (Chair)  
Thompson

PatCom

ProCom

Thompson

Jim Carlo Chair, IEEE SASB Candidate for IEEE-SA President





# IEEE Standards Association

## Board of Governors (Ben Johnson – President)

Sets Policy for Standards Developments

Financial Responsibility for IEEE Standards

Elected by IEEE-SA Membership (August Election)

Meeting with IEEE 802 SEC on Friday

## Standards Board (Jim Carlo – Chair)

Approves Standards Process

Approves PARs(NesCom) and Standards(RevCom)

Appointed by Board of Governors

IEEE 802 Participation:

Frazier(SASB, RevCom-Chair)

Thompson(SASB, ProCom, RevCom)

Nikolich(NesCom)

- 11:04 Patent Policy and Membership Rules

Thompson

# Patent Policy

## (from Jan 2002 SA Bylaws)

### **6. Patents**

IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of 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 without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination

This assurance shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.

# 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.



# Pending Rules Changes

- Setting times for Opening/Closing SEC meetings
  - Ballot passed
- Working Group Electronic Balloting
  - Comment resolution (M. Sherman)
- 2<sup>nd</sup> Vice Chair
  - Comment resolution (G. Thompson)
- SEC Email ballot procedure update (B. Grow)
  - Was supposed to go to LB after March 2002 mtg
  - Did not occur, issue LB after July 2002 mtg

- 11:10 Treasurer's Report

Quackenbush

**IEEE Project 802  
Statement of Operations  
March, 2002 Plenary Meeting**

| Meeting Income   | Actual         | Budget          |
|--|----------------|-----------------|
| 257 Registrations @ \$300                                | 77,100         |                 |
| 715 Registrations @ \$250                                | 178,750        |                 |
| 0 Registrations @ \$100                                  | 0              |                 |
| 21 Cancellations @ \$50                                  | 1,050          |                 |
| 1 other @ \$100  | 100            |                 |
| Registraion Subtotal                                     | <u>257,000</u> | 234,000         |
| 1 Deadbeat Payment @ \$300                               | 300            | 0               |
| Interest   | 149            | 150             |
| Other  | <u>0</u>       | <u>375</u>      |
| <b>TOTAL Meeting Income</b>                              | <b>257,449</b> | 234,525         |
| <b>Meeting Expenses</b>                                  | <b>Actual</b>  | <b>Budget</b>   |
| Audio Visual Rentals                                     | 10,508         | 8,000           |
| Audit  | 5,454          | 5,454           |
| Bank Charges   | 162            | 35              |
| Copying  | 4,194          | 6,000           |
| Credit Card Discounts & Fees                             | 6,703          | 6,426           |
| Equipment Expenses                                       | 0              | 8,000           |
| Get IEEE 802 Contribution                                | 72,900         | 67,500          |
| Insurance  | 1,944          | 0               |
| Meeting Administration                                   | 54,670         | 55,500          |
| Networking   | 7,478          | 10,000          |
| Phone & Electrical                                       | 1,110          | 2,000           |
| Refreshments   | 62,566         | 40,500          |
| Shipping   | 1,966          | 3,000           |
| Social   | 30,288         | 34,200          |
| Supplies   | 17             | 0               |
| Other  | <u>207</u>     | <u>500</u>      |
| <b>TOTAL Meeting Expense</b>                             | <b>260,165</b> | 247,115         |
| <b>NET Meeting Income/Expense</b>                        | <b>(2,716)</b> | <b>(12,590)</b> |
| <b>Expenses from prior meetings</b>                      | <b>0</b>       |                 |
| <b>Reserve for unbilled expenses from prior meetings</b> | <b>5,000</b>   |                 |
| <b>Expenses prepaid for current meeting</b>              | <b>9,200</b>   |                 |
| <b>8July, 2002 Operating Reserve</b>                     | <b>140,825</b> |                 |



## LMSC Budget

|                                  | 2001                         |                           |                         | 2001               | 2002                       |                            |                        | 2002               | 2003                     |                            |                        | 2003               |
|----------------------------------|------------------------------|---------------------------|-------------------------|--------------------|----------------------------|----------------------------|------------------------|--------------------|--------------------------|----------------------------|------------------------|--------------------|
|                                  | Hilton Head<br><i>Actual</i> | Portland<br><i>Actual</i> | Austin<br><i>Actual</i> |                    | St. Louis<br><i>Actual</i> | Vancouver<br><i>Budget</i> | Kauai<br><i>Budget</i> |                    | Dallas?<br><i>Budget</i> | San Fran?<br><i>Budget</i> | Albq.<br><i>Budget</i> |                    |
|                                  | <i>March</i>                 | <i>July</i>               | <i>Nov</i>              |                    | <i>March</i>               | <i>July</i>                | <i>Nov</i>             |                    | <i>March</i>             | <i>July</i>                | <i>Nov</i>             |                    |
| <b>Meeting Income:</b>           |                              |                           |                         |                    |                            |                            |                        |                    |                          |                            |                        |                    |
| Registrations                    | 1,094                        | 1,019                     | 936                     |                    | 972                        | 850                        | 825                    |                    | 800                      | 750                        | 700                    |                    |
| Preregistration fee              | 250                          | 250                       | 250                     |                    | 250                        | 250                        | 250                    |                    | 250                      | 250                        | 250                    |                    |
| On-site registration fee         | 300                          | 300                       | 300                     |                    | 300                        | 300                        | 300                    |                    | 300                      | 300                        | 300                    |                    |
| Average Fee                      | 265                          | 263                       | 260                     |                    | 264                        | 255                        | 255                    |                    | 255                      | 255                        | 255                    |                    |
| <b>Subtotal</b>                  | <b>290,200</b>               | <b>267,550</b>            | <b>243,450</b>          | <b>801,200</b>     | <b>257,000</b>             | <b>216,750</b>             | <b>210,375</b>         | <b>684,125</b>     | <b>204,000</b>           | <b>191,250</b>             | <b>178,500</b>         | <b>573,750</b>     |
| Bank Interest                    | 343                          | 336                       | 171                     | 850                | 149                        | 150                        | 150                    | 449                | 150                      | 150                        | 150                    | 450                |
| Other                            | 49,109                       | 4,700                     | 300                     | 54,109             | 300                        | 375                        | 375                    |                    | 375                      | 375                        | 375                    |                    |
| <b>TOTAL Income</b>              | <b>339,652</b>               | <b>272,586</b>            | <b>243,921</b>          | <b>856,159</b>     | <b>257,449</b>             | <b>216,900</b>             | <b>210,525</b>         | <b>684,574</b>     | <b>204,150</b>           | <b>191,400</b>             | <b>178,650</b>         | <b>574,200</b>     |
| <b>Meeting Expenses:</b>         | <b><i>March</i></b>          | <b><i>July</i></b>        | <b><i>Nov</i></b>       | <b><i>2001</i></b> | <b><i>March</i></b>        | <b><i>July</i></b>         | <b><i>Nov</i></b>      | <b><i>2001</i></b> | <b><i>March</i></b>      | <b><i>July</i></b>         | <b><i>Nov</i></b>      | <b><i>2001</i></b> |
| Audio Visual Rentals             | 10,482                       | 7,238                     | 10,223                  | 27,942             | 10,508                     | 9,000                      | 9,000                  | 28,508             | 9,883                    | 9,883                      | 9,883                  | 29,648             |
| Bank Charges                     | 1                            | 3                         | 2                       | 6                  | 162                        | 35                         | 35                     | 232                | 40                       | 40                         | 40                     | 120                |
| Copying                          | 2,267                        | 5,987                     | 5,201                   | 13,455             | 4,194                      | 6,000                      | 6,000                  | 16,194             | 5,500                    | 5,500                      | 5,500                  | 16,500             |
| Credit Card Discounts            | 8,334                        | 7,667                     | 6,740                   | 22,742             | 6,703                      | 6,069                      | 5,891                  | 18,663             | 5,712                    | 5,355                      | 4,998                  | 16,065             |
| Equipment Purchase               | 704                          | 25,406                    | 11,150                  | 37,259             | 0                          | 8,000                      | 8,000                  | 16,000             | 9,000                    | 9,000                      | 9,000                  | 27,000             |
| IPF/Escrow/FreeStds              | 215,100                      | 78,000                    | 68,625                  | 361,725            | 72,900                     | 63,750                     | 61,875                 | 198,525            | 60,000                   | 56,250                     | 52,500                 | 168,750            |
| Meeting Planners                 | 62,715                       | 49,291                    | 55,830                  | 167,836            | 54,670                     | 53,250                     | 52,125                 | 160,045            | 52,800                   | 50,500                     | 48,200                 | 151,500            |
| Network                          | 0                            | 4,300                     | 0                       | 4,300              | 7,478                      | 10,000                     | 10,000                 | 27,478             | 10,000                   | 10,000                     | 10,000                 | 30,000             |
| Phone & Electrical               | 1,952                        | 51                        | 2,137                   | 4,139              | 1,110                      | 2,000                      | 2,000                  | 5,110              | 2,100                    | 2,100                      | 2,100                  | 6,300              |
| Refreshments                     | 62,978                       | 44,901                    | 56,341                  | 164,220            | 62,566                     | 35,700                     | 45,375                 | 143,641            | 36,000                   | 37,500                     | 28,000                 | 101,500            |
| Shipping                         | 2,448                        | 775                       | 2,219                   | 5,442              | 1,966                      | 3,000                      | 3,000                  | 7,966              | 3,100                    | 3,700                      | 3,700                  | 10,500             |
| Social                           | 35,332                       | 22,383                    | 29,095                  | 86,809             | 30,288                     | 31,450                     | 41,250                 | 102,988            | 16,800                   | 15,750                     | 14,700                 | 47,250             |
| Supplies                         | 0                            | 0                         | 0                       | 0                  | 17                         | 0                          | 0                      | 17                 | 0                        | 0                          | 0                      | 0                  |
| Other                            | 8,098                        | 2,889                     | 2,156                   | 13,143             | 7,605                      | 500                        | 2,000                  | 10,105             | 4,913                    | 500                        | 2,000                  | 7,413              |
| <b>TOTAL Meeting Expense</b>     | <b>410,411</b>               | <b>248,890</b>            | <b>249,719</b>          | <b>909,020</b>     | <b>260,165</b>             | <b>228,754</b>             | <b>246,551</b>         | <b>735,469</b>     | <b>215,848</b>           | <b>206,078</b>             | <b>190,621</b>         | <b>612,546</b>     |
| <b>NET to Operating Reserve</b>  | <b>(70,758)</b>              | <b>23,696</b>             | <b>(5,798)</b>          | <b>(52,860)</b>    | <b>(2,716)</b>             | <b>(11,854)</b>            | <b>(36,026)</b>        | <b>(50,895)</b>    | <b>(11,698)</b>          | <b>(14,678)</b>            | <b>(11,971)</b>        | <b>(38,346)</b>    |
| <b>Opening Reserve</b>           | <b>81,418</b>                | <b>131,034</b>            | <b>153,853</b>          |                    | <b>148,065</b>             | <b>145,349</b>             | <b>133,495</b>         |                    | <b>97,470</b>            | <b>85,772</b>              | <b>71,094</b>          |                    |
| <b>Projected Closing Reserve</b> | <b>10,659</b>                | <b>154,730</b>            | <b>148,055</b>          |                    | <b>145,349</b>             | <b>133,495</b>             | <b>97,470</b>          |                    | <b>85,772</b>            | <b>71,094</b>              | <b>59,124</b>          |                    |
| <b>Projected Closing Cash</b>    | <b>(541)</b>                 | <b>152,730</b>            | <b>146,055</b>          |                    | <b>143,349</b>             | <b>131,495</b>             | <b>95,470</b>          |                    | <b>83,772</b>            | <b>69,094</b>              | <b>57,124</b>          |                    |

- 11:15 IEEE Project Editors Status Report

IEEE Staff

# Awards

## Certificates of Appreciation.

- 802. 15.1 Fujio Watanabe, Michael McInnes, Michael Camp, Tom Siep
- 802.16 Lars Lindh, Stanley Wang

- Plaques

- 802.5v: Bob Love
- 802.15.1: Robert Heile, David Cypher
- 802.16: Roger Marks, Jay Klein, Ken Stanwood, Carl Eklund

# IEEE<sup>®</sup> 802<sup>®</sup> Standards published since March 2002

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- IEEE Std 802.3<sup>™</sup>-2002 (March 8, 2002)
- IEEE Std 802.16<sup>™</sup>-2001 (April 8, 2002)
- IEEE Std 802.15.1<sup>™</sup>-2002 (June 14, 2002)

# Approved at June 2002 Standards Board meeting

- IEEE Std 802.3ae™-2002  
(Publication scheduled for July 2002)

# IEEE Standards Process Tutorial

- IEEE Staff will present detailed information on the IEEE standards-making process
  - How a draft standard goes from development to publication
  - Step by step procedures for an Invitation to Ballot and Sponsor balloting
  - Indemnification, due process, openness, consensus and balance
  - Roles and responsibilities of IEEE Staff, Working Group members, IEEE Standards Boards

# IEEE Standards Process Tutorials

- Monday, 6:30 to 8:00 PM
- Tuesday, 6:30 to 8:00 PM

- 11:20 802.1 Architecture & Interworking

Jeffrey



# 802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

8<sup>th</sup> July 2001

# Areas of work

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

# Status of current projects - (1)

- P802.1s - Multiple Spanning Tree support in VLANs
  - Draft 12 circulated for WG ballot.
  - May Interim proposed changes to resolve comments.
  - Draft 13 issued for recirculation ballot; 1 remaining “no” vote plus small number of comments to resolve this week.

# Status of current projects - (2)

- P802.1y – Maintenance items for 802.1D (including t, w)
  - Some bug fixes related to 802.1w
  - Needs to be brought in line with 802.1s changes
- 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
  - Draft 3 issued – incorporates the changes needed for 802.11 use.
  - WG ballot as next step

# Status of current projects - (3)

- P802a PAR for “Playpen Ethertypes” has been approved
  - Draft 1 was circulated for its first Working Group ballot and comments resolved in May interim.
  - Draft 2 recirculated – no outstanding negatives/comments.
  - Next step is Sponsor ballot.
- Looking at new work related to link layer discovery – will be asking for Exec approval to forward a PAR to NesCom this week
- Looking to “rescue” the MAC Service standard from ISO/IEC JTC1 SC6 and revise it as an 802 standard – will be asking for Exec approval to forward a PAR to NesCom this week

- 11:25 802.3 CSMA/CD (Ethernet)

Grow

# IEEE 802.3 CSMA/CD (Ethernet) Working Group Status

---

- Major Activities/Approved Projects:
  - P802.3ae 10 Gigabit Ethernet TF  
Approved 13 June 2002
  - P802.3af DTE Power via the MDI  
D3.1 was subject of WG recirculation ballot
  - P802.3ah Ethernet in the First Mile  
Creating first draft

# IEEE 802.3 CSMA/CD (Ethernet) Working Group Status

---

- Other Activities
  - P802.3aj Maintenance #7:  
New maintenance project
  - Interpretations of the Standard
  - Liaison Reports
  - Call for Interest:  
Long reach 1310nm 10 GbE PMD



# IEEE 802.3 Standards

---

- IEEE Std 802.3-2002 (8 March 2002)
  - Not currently available in Get IEEE 802
- IEEE Std 802.3ae-2002
  - Publication expected July 2002
  - D5.0 available for purchase
- IEEE Std 1908.3Rev-2001
  - Available in Get IEEE 802
  - <http://standards.ieee.org/getieee802/802.3.html>

# 802.3 Officers

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- 802.3 Chair: Bob Grow (bob.grow@ieee.org)
- 802.3 Vice Chair: David Law (david\_law@3com.com)
- 802.3ae 10GbE: Jonathan Thatcher (jonathan@worldwidepackets.com)
- 802.3af DTE Power: Steve Carlson (scarlson@esta.org)
- 802.3ah EFM: Howard Frazier (millardo@dominetsystems.com)

# This Week's Meetings

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- 802.3 Working Group and Task Force meeting will be held in the Fairmont Hotel Vancouver
- Opening plenary starts at 1:00pm in the BC Ballroom
- Closing plenary Thursday 1:00pm
- 802.3 Web Site: [www.ieee802.org/3](http://www.ieee802.org/3)

- 11:30 802.11 WLAN (Wireless Local Area Network) Kerry

PLENARY

R6

**74th IEEE 802.11 WIRELESS LOCAL AREA NETWORKS SESSION**  
**Hyatt Regency Vancouver, 655 Burrard Street, Vancouver, BC, V6C 2R7, Canada.**  
**July 7th-12th, 2002**

**OBJECTIVES FOR 802.11 THIS SESSION:**

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

- **Resolve comments received from LB#39**
- **Approve updated Draft**
- **Forward new LB or Recirculation**

**802.11 - TASK GROUP F - INTER-ACCESS POINT PROTOCOL (DAVE B.)**

- **Review results of LB 38**
- **If LB 38 passed, prepare for Sponsor ballot starting after July meeting**

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

- **Continue to Resolve letter ballot comments from LB# 33**
- **Update Draft to 3.0 & Issue a new letter ballot**
- **Joint meeting with 802.11 TGe and 802.18**

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

- **Update group on progress in related matters in a joint meeting with 802.18 TAG**
  - **Focus on the results of the BRAN#29 meeting**
- **Resolve rest of the comments from LB#36**
- **Start re-circulation ballot with the revised draft**

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

- **Comment resolution**
- **Prepare for draft 3**

**802.11 - WNG SC (TK TAN / BRUCE K.)**

- **Status Update of the Radio Resource Measurement Study Group**
- **Status Update of the High Throughput Study Group**
- **Review results of BRAN #29**
- **Response to MMAC Liaison letter**
- **Response to ETSI Interworking request**
- **Scope of WNG activities**
- **Discussion on Long term WLAN requirements**
- **MAC revisions**

- **Coordination with ETSI / MMAC**
- **Radio Regulations Update**

#### **802.11 - WG PUBLICITY SC (BRIAN M.)**

- **Report from the WECA N+I Conference**
- **Joint 802.11/.15 PC New Activities - meet with IEEE802 staff**
- **Continue developing plan for future IEEE 802.11 Workshop event**
- **Summary reporting for media and IEEE press announcements**
- **Media Analyst list update**

#### **802.11 - RRM SG - RADIO RESOURCE MEASUREMENTS (HARRY W. - Interim Chair)**

- **Elect a Chair and Secretary**
- **Study the measurements needed for evaluation of the network**
- **Generate a PAR and 5 Criteria**

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

- **Update group on LB# 40 for 802.11 Operating Rules Rev.3.1**
  - **Update 802.11 WG OP Rules as necessary**
- **Update timeline chart for all 802.11 WG PARs & Projections for Completion**
- **IEEE 802.11 / ETSI BRAN and MMAC study groups administrative issues & co-ordination**

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

- **IEEE 802.11 Standard Roll-Up Inclusion of 802.11A / 802.11B / 802.11B COR-1 / 802.11D Amendments**
- **Published IEEE 802.11 Standard - Interpretation Request Submitted by Radu Mihaescu**

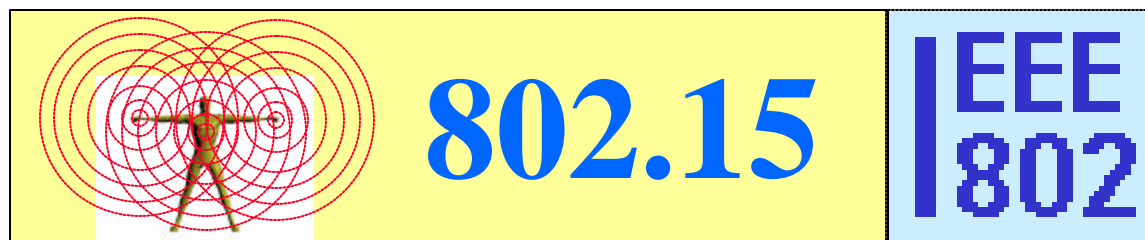
# IEEE 802.11 Standards Working Group for Wireless Local Area Networks (WLANs)



| PLENARY  |  |  |                    |                               |  |                           |                                   |        |                         |  |  |  |  |  |       |  |
|--|--|--|--------------------|-------------------------------|--|---------------------------|-----------------------------------|--------|-------------------------|--|--|--|--|--|-------|--|
| R6   | 74th IEEE 802.11 WIRELESS LOCAL AREA NETWORKS SESSION                        |  |                    |                               |  |                           |                                   |        |                         |  |  |  |  |  |       |  |
|  | Hyatt Regency Vancouver, 655 Burrard Street, Vancouver, BC, V6C 2R7, Canada. |  |                    |                               |  |                           |                                   |        |                         |  |  |  |  |  |       |  |
|  | July 7th-12th, 2002  |  |                    |                               |  |                           |                                   |        |                         |  |  |  |  |  |       |  |
| The graphic below describes the weekly session of the IEEE P802.11 WG in graphic format. |  |  |                    |                               |  |                           |                                   |        |                         |  |  |  |  |  |       |  |
|  | SUNDAY   | MONDAY   | TUESDAY            | WEDNESDAY                     | THURSDAY                               | FRIDAY                    |                                   |        |                         |  |  |  |  |  |       |  |
| 07:00-08:00  |  |  |                    |                               | 802.11 WG CHAIRs<br>ADVISORY COMMITTEE |                           |                                   |        |                         |  |  |  |  |  |       |  |
| 08:00-10:00  |  | 802 SEC MEETING                                | TGH TGE TGF RRM SG | 802.18 TAG TGH TGE            | TGG TGE TGI TGF TGG                    | 802.11 WG CLOSING PLENARY |                                   |        |                         |  |  |  |  |  |       |  |
| 10:00-10:15  |  |  | Break              |                               | Break                                  |                           | Break                             |        | Break                   |  |  |  |  |  |       |  |
| 10:15-10:30  |  |  | Break              |                               | Break                                  |                           | Break                             |        | Break                   |  |  |  |  |  |       |  |
| 10:30-12:00  |  | 802 PLENARY                                    | TGH TGI TGF PSC    | 802.11 WG MID-SESSION PLENARY |  | TGE TGI TGF TGG           | 802.11 WG CLOSING PLENARY (Con't) |        |                         |  |  |  |  |  |       |  |
| 12:00-13:00  |  | Lunch  | Lunch              |                               | Lunch                                  |                           | Lunch                             |        | 12:00 pm Hard Stop Time |  |  |  |  |  |       |  |
| 13:00-14:15  | OPTIONAL MEETING TIME & WIRELESS NETWORK SETUP                               | 802.11 & 802.15 & 802.18 JOINT OPENING MEETING | TGH TGI TGF TGG    | 802 COEX SG TGF TGE TGG       | TGH TGI TGF TGG                        | Joint Mtg with 802.18     | 802 SEC MEETING                   |        |                         |  |  |  |  |  |       |  |
| 14:15-14:30  |  | Break  | Break              |                               | Break                                  |                           |                                   |        |                         |  |  |  |  |  | Break |  |
| 14:30-15:00  |  | 802.11 WG OPENING PLENARY                      | Break              |                               | Break                                  |                           |                                   |        |                         |  |  |  |  |  | Break |  |
| 15:00-15:15  |  |  | Break              |                               | Break                                  |                           | Break                             |        |                         |  |  |  |  |  |       |  |
| 15:15-15:30  | 802.11 / 15 / 18 LEADERSHIP MEETING  |  | Break              |                               | Break                                  |                           | Break                             |        |                         |  |  |  |  |  |       |  |
| 15:30-16:30  | NEW MEMBERS ORIENTATION  | TGH TGE TGG TGI                                | TGH TGI TGF TGG    | WNG SC TGF TGE TGG            | TGH TGI TGE TGG                        |                           |                                   |        |                         |  |  |  |  |  |       |  |
| 16:30-17:30  |  |  | Break              |                               | Break                                  |                           | Break                             |        |                         |  |  |  |  |  |       |  |
| 17:30-19:00  | Break  | Dinner   |                    | Dinner                        |  | Break                     |                                   | Dinner |                         |  |  |  |  |  |       |  |
| 19:00-21:30  | 802.11 WG CHAIRs ADVISORY COMMITTEE (CAC)                                    | TGH TGE TGG TGI                                | TGH TGI TGE TGG    | IEEE 802 Social Evening       |  | TGH TGI TGE WNG SC        | Joint Mtg with 802.18             |        |                         |  |  |  |  |  |       |  |



- 11:35 802.15 WPAN (Wireless Personal Area Network) Heile

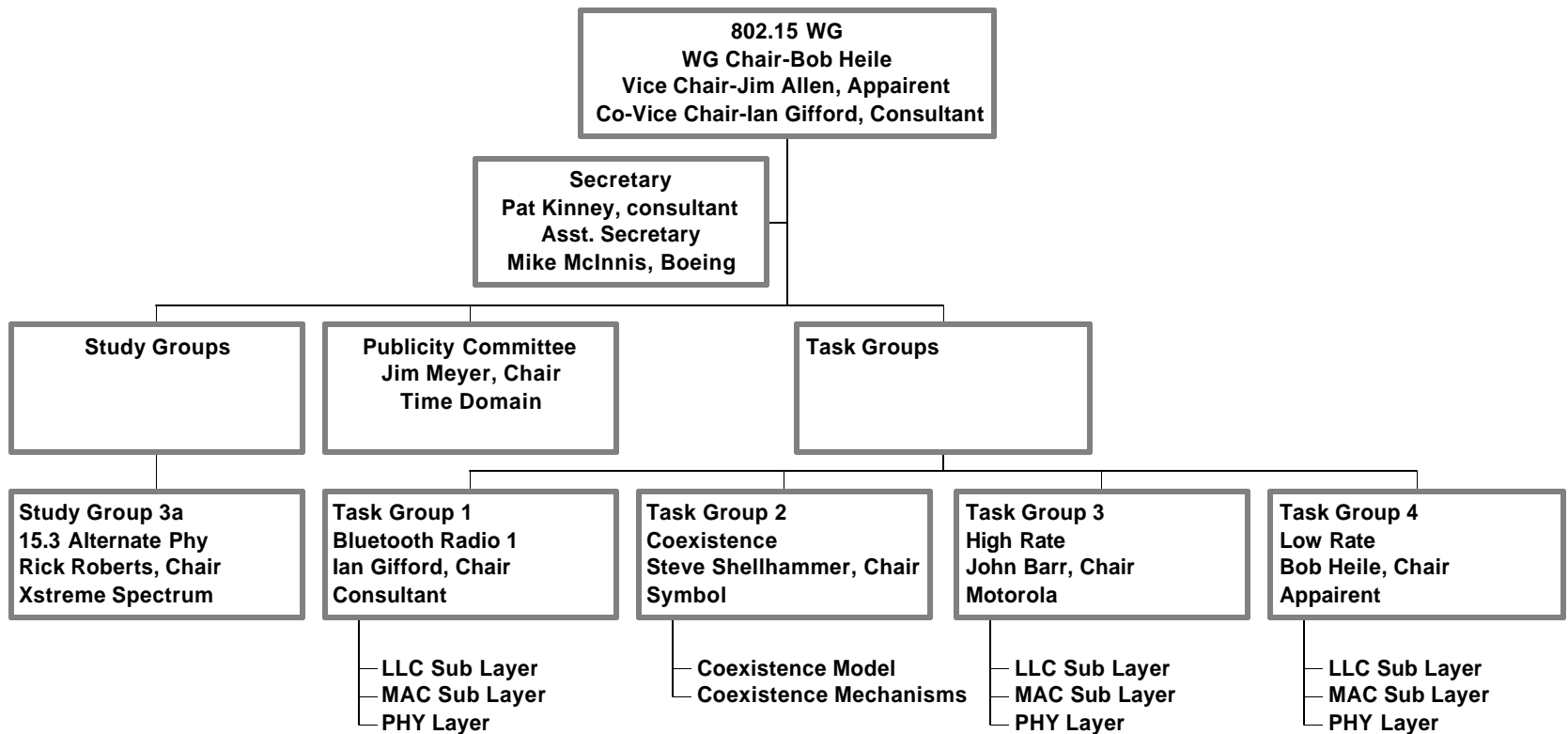


# 19th Session of meetings of the IEEE 802.15 Working Group for Wireless Personal Area Networks

**July 8-12, 2002**

**Hyatt Regency Vancouver  
British Columbia, Canada**

# 802.15 Functional Organization Chart



# Archive, Mailing List, URLs

- Web Page: <http://www.ieee802.org/15/>
- General Mailing List: [stds-802-wpan@ieee.org](mailto:stds-802-wpan@ieee.org)
- Voter/Nearly List: [stds-802-15@ieee.org](mailto:stds-802-15@ieee.org)
- TG1 list: [stds-802-15-1@ieee.org](mailto:stds-802-15-1@ieee.org)
- TG2 list: [stds-802-15-2@ieee.org](mailto:stds-802-15-2@ieee.org)
- TG3 list: [stds-802-15-3@ieee.org](mailto:stds-802-15-3@ieee.org)
- TG4 list: [stds-802-15-4@ieee.org](mailto:stds-802-15-4@ieee.org)
- SG3a list: [stds-802-15-sg3a@ieee.org](mailto:stds-802-15-sg3a@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 [alfvin@ieee.org](mailto:alfvin@ieee.org)

# Objectives of the Vancouver Meeting July 8-12, 2002

## **TASK GROUP 1- Bluetooth      MEETING OBJECTIVES**

- 1. Submit 802.15.1 to ISO/IEC JTC1/SC6 Fast Track**

## **TASK GROUP 2 -Coexistence      MEETING OBJECTIVES**

- 1. LETTER BALLOT 14 AND 34 COMMENT  
RESOLUTION**

# Objectives of the Vancouver Meeting July 8-12, 2002

## TASK GROUP 3-High Rate      MEETING OBJECTIVES

- 
- 1. CONFERENCE CALL STATUS, INCLUDING APPROVAL OF ANY AD HOC BUSINESS**
  - 2. LETTER BALLOT COMMENT RESOLUTION**
  - 3. UPDATE DRAFT AS REQUIRED**
  - 4. RE-CIRCULATE LETTER BALLOT**
  - 5. EXCOM SPONSOR BALLOT PREP (LETTER BALLOT)**

# Objectives of the Vancouver Meeting July 8-12, 2002

## **TASK GROUP 4-Low Rate MEETING OBJECTIVES:**

- 1. CONFERENCE CALL STATUS, INCLUDING APPROVAL OF ANY AD HOC BUSINESS**
- 2. COMMENT RESOLUTION ON LETTER BALLOT 18**
- 3. ZIGBEE RELATIONSHIP UPDATE**
- 4. SECURE CONDITIONAL APPROVAL FOR GOING TO SPONSOR BALLOT**
- 5. REVIEW SPONSOR BALLOT INVITATION RESULTS**

# Objectives of the Vancouver Meeting July 8-12, 2002

## **STUDY GROUP 3a-15.3 alt PHY, MEETING OBJECTIVES**

- 1. Review Schedule**
- 2. Hear Channel Model Proposals**
- 3. Finish Document 02105 (Selection Criteria)**
- 4. Select a channel model for proposal evaluation**
- 5. Initiate a notice of pending call for proposals (doc TBD)**
- 6. Draft a PAR & 5C approval motion for the WG plenary**



# Objectives of the Vancouver Meeting July 8-12, 2002

## **802.15 PC/802.11PC OBJECTIVES FOR THIS MEETING:**

1. Report from the WECA N+I Conference
2. Joint 802.11/.15 PC New Activities
  - meet with IEEE802 staff
3. Continue developing plan for future IEEE 802.11 Workshop event
4. Summary reporting for media and IEEE press announcements
5. Media Analyst list update

# Vancouver Meeting Graphic

| R3          | 19th IEEE 802.15 WPAN MEETING<br>Hyatt Regency Vancouver, BC, Canada<br>July 8th-12th, 2002 |  |  |                                       |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   |                 |  |  |  |
|-------------|---|--|--|---------------------------------------|----------|-----|-------|------------|------|-----|-----|-----------|-------------------|------|-----|-------------------|------|-----|-----|-----------------|-------------------|-----------------|--|--|--|
|             | The graphic below describes the weekly session of the IEEE P802.15 WG in graphic format     |  |  |                                       |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   |                 |  |  |  |
|             | SUNDAY  |  |  | MONDAY                                |          |     |       | TUESDAY    |      |     |     | WEDNESDAY |                   |      |     | THURSDAY          |      |     |     | FRIDAY          |                   |                 |  |  |  |
| 07:00-07:30 |   |  |  | 802.15 AC MEETING                     |          |     |       |            |      |     |     |           |                   |      |     | 802.15 AC MEETING |      |     |     |                 |                   |                 |  |  |  |
| 07:30-08:00 |   |  |  | 802 SEC MEETING                       |          |     |       | TG3 ad hoc | SG3a | TG2 | TG3 | TG4       | R-REG             | TG2  | TG3 | TG4               | SG3a | TG2 | TG3 | TG4             | 802.15 WG CLOSING |                 |  |  |  |
| 08:00-08:30 |   |  |  | 802 SEC MEETING                       |          |     |       | TG3 ad hoc | SG3a | TG2 | TG3 | TG4       | R-REG             | TG2  | TG3 | TG4               | SG3a | TG2 | TG3 | TG4             | 802.15 WG CLOSING |                 |  |  |  |
| 08:30-09:00 |   |  |  | 802 SEC MEETING                       |          |     |       | TG3 ad hoc | SG3a | TG2 | TG3 | TG4       | R-REG             | TG2  | TG3 | TG4               | SG3a | TG2 | TG3 | TG4             | 802.15 WG CLOSING |                 |  |  |  |
| 09:00-09:30 |   |  |  | 802 SEC MEETING                       |          |     |       | TG3 ad hoc | SG3a | TG2 | TG3 | TG4       | R-REG             | TG2  | TG3 | TG4               | SG3a | TG2 | TG3 | TG4             | 802.15 WG CLOSING |                 |  |  |  |
| 09:30-10:00 |   |  |  | 802 SEC MEETING                       |          |     |       | TG3 ad hoc | SG3a | TG2 | TG3 | TG4       | R-REG             | TG2  | TG3 | TG4               | SG3a | TG2 | TG3 | TG4             | 802.15 WG CLOSING |                 |  |  |  |
| 10:00-10:30 |   |  |  | Break                                 |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   | Break           |  |  |  |
| 10:30-11:00 |   |  |  | Break                                 |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   | Break           |  |  |  |
| 11:00-11:30 |   |  |  | 802 PLENARY                           |          |     |       | TG3 ad     | SG3a | TG2 | PC  | TG4       | 802.15 WG MEETING |      |     |                   | SG3a | TG2 | TG3 | TG4             | 802.15 WG CLOSING |                 |  |  |  |
| 11:30-12:00 |   |  |  | 802 PLENARY                           |          |     |       | TG3 ad     | SG3a | TG2 | PC  | TG4       | 802.15 WG MEETING |      |     |                   | SG3a | TG2 | TG3 | TG4             | 802.15 WG CLOSING |                 |  |  |  |
| 12:00-13:00 |   |  |  | Lunch                                 |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   | Lunch           |  |  |  |
| 13:00-13:30 | Optional  |  |  | 802.11 / 802.15 JOINT OPENING PLENARY |          |     |       |            | SG3a | TG2 | TG3 | TG4       | 802 COEX          | SG3a | TG3 | TG4               | TG2  |     | TG3 | TG4             | 802 SEC MEETING   |                 |  |  |  |
| 13:30-14:00 | Optional  |  |  | 802.11 / 802.15 JOINT OPENING PLENARY |          |     |       |            | SG3a | TG2 | TG3 | TG4       | 802 COEX          | SG3a | TG3 | TG4               | TG2  |     | TG3 | TG4             | 802 SEC MEETING   |                 |  |  |  |
| 14:00-14:30 | Optional  |  |  | 802.11 / 802.15 JOINT OPENING PLENARY |          |     |       |            | SG3a | TG2 | TG3 | TG4       | 802 COEX          | SG3a | TG3 | TG4               | TG2  |     | TG3 | TG4             | 802 SEC MEETING   |                 |  |  |  |
| 14:30-15:00 | Optional  |  |  | 802.11 / 802.15 JOINT OPENING PLENARY |          |     |       |            | SG3a | TG2 | TG3 | TG4       | 802 COEX          | SG3a | TG3 | TG4               | TG2  |     | TG3 | TG4             | 802 SEC MEETING   |                 |  |  |  |
| 15:00-15:30 | 11 / 15 / R-REG LEADERSHIP MEETING  |  |  | 802.15 OPENING PLENARY                |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   | 802 SEC MEETING |  |  |  |
| 15:30-16:00 | 11 / 15 / R-REG LEADERSHIP MEETING  |  |  | 802.15 OPENING PLENARY                |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   | 802 SEC MEETING |  |  |  |
| 16:00-16:30 | 11 / 15 / R-REG LEADERSHIP MEETING  |  |  | 802.15 OPENING PLENARY                |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   | 802 SEC MEETING |  |  |  |
| 16:30-17:00 | NEW MEMBERS ORIENTATION   |  |  | TG2                                   | TG3/SG3a | TG4 |       | SG3a       | TG2  | TG3 | TG4 | SG3a      | TG2               | TG3  | TG4 | SG3a              | TG2  | TG3 | TG4 | 802 SEC MEETING |                   |                 |  |  |  |
| 17:00-17:30 | NEW MEMBERS ORIENTATION   |  |  | TG2                                   | TG3/SG3a | TG4 |       | SG3a       | TG2  | TG3 | TG4 | SG3a      | TG2               | TG3  | TG4 | SG3a              | TG2  | TG3 | TG4 | 802 SEC MEETING |                   |                 |  |  |  |
| 17:30-18:30 | Dinner  |  |  | Dinner                                |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   | Dinner          |  |  |  |
| 18:30-19:00 | Dinner  |  |  | Dinner                                |          |     |       |            |      |     |     |           |                   |      |     |                   |      |     |     |                 |                   | Dinner          |  |  |  |
| 19:00-19:30 | WiMedia Update Meeting  |  |  | Optional Meeting Time                 | TG2      | TG3 | Tut 1 |            | SG3a | TG2 | TG3 | Tut 3     | Social            |      |     |                   | SG3a | TG2 | TG3 | WNG             | 802 SEC MEETING   |                 |  |  |  |
| 19:30-20:00 | WiMedia Update Meeting  |  |  | Optional Meeting Time                 | TG2      | TG3 | Tut 1 |            | SG3a | TG2 | TG3 | Tut 3     | Social            |      |     |                   | SG3a | TG2 | TG3 | WNG             | 802 SEC MEETING   |                 |  |  |  |
| 20:00-20:30 | WiMedia Update Meeting  |  |  | Optional Meeting Time                 | TG2      | TG3 | Tut 2 |            | SG3a | TG2 | TG3 | Tut 4     | Social            |      |     |                   | SG3a | TG2 | TG3 | WNG             | 802 SEC MEETING   |                 |  |  |  |
| 20:30-21:00 | WiMedia Update Meeting  |  |  | Optional Meeting Time                 | TG2      | TG3 | Tut 2 |            | SG3a | TG2 | TG3 | Tut 4     | Social            |      |     |                   | SG3a | TG2 | TG3 | WNG             | 802 SEC MEETING   |                 |  |  |  |
| 21:00-21:30 | WiMedia Update Meeting  |  |  | Optional Meeting Time                 | TG2      | TG3 | Tut 2 |            | SG3a | TG2 | TG3 | Tut 4     | Social            |      |     |                   | SG3a | TG2 | TG3 | WNG             | 802 SEC MEETING   |                 |  |  |  |

LEGEND

SG3a  
TG2  
TG3  
TG4  
AC

Alt 15.3 PHY Study Group  
Task Group 2 - COEXISTENCE  
Task Group 3 - HIGH RATE WPAN  
Task Group 4 - LOW RATE  
802.15 ADVISORY COMMITTEE

802 COEX  
R-REG  
WNG  
TUT  
SEC

Task Group D (Regulatory Domain Update)  
802.11 Radio Regulatory Ad-Hoc Group  
Wireless Next Generation  
IEEE 802 Tutorials 1, 2, 3 and 4  
802 SPONSOR EXECUTIVE COMMITTEE

- 11:40 802.16 BWA (Broadband Wireless Access) Marks

**IEEE 802.16**  
**Working Group on**  
**Broadband Wireless Access**  
**(BWA)**



**IEEE 802.16**  
**Working Group on**  
**Broadband Wireless Access**  
**(BWA)**

**LMSC Opening Plenary**

**8 July 2002**

**Hyatt Regency Vancouver**

# 802.16 Sessions

- #19: 20-24 May 2002
  - Calgary, AB, Canada
- #20: this week
- #21: 23-27 September 2002
  - Cheju, Korea
- #22: January 2003: decide this week
  - San Jose, CA, USA
  - Sinaia, Romania

# 802.16 Membership

- **92 Members**
  - **down from 158 last time**
    - **non-participation in Letter Ballots**
    - **completion of work**
- **66 Potential Members**
- **33 Observers**

# 802.16 Officers

- **Chair: Roger Marks**
- **Vice Chair: Paul Struhsaker**
- **Secretary: Dean Chang**



# 802.16 Project Structure

## Air Interface

IEEE Standard  
**802.16**  
Publ: Apr 2001  
MAC  
10-66 GHz PHY

**P802.16a**  
2-11 GHz PHY  
MAC issues  
Sponsor Ballot:  
July 2002 (exp.)

## Coexistence

IEEE Standard  
**802.16.2**  
Publ: Sep 2001

**P802.16.2a**  
2-11 GHz  
WG Letter Ballot:  
July 2002 (exp.)

## Conformance

**P802.16c**  
profiles  
**P1802.16.1**  
PICS

# P802.16a

- Amend IEEE Standard 802.16 by the addition of 2-11 GHz PHY, and MAC enhancements
- Draft 4 completed WG Letter Ballot
  - all 802 WG members invited
  - comment resolution this week
- Expect to ask SEC on Friday for conditional approval to go to Sponsor Ballot

# P802.16c

- To amend IEEE Standard 802.16 by the addition of 10-66 GHz profiles
  - for compliance and interoperability tests
- PAR approved by 802 on 22 March
  - By IEEE-SA on 9 May
- Draft completed WG Letter Ballot
  - Comment resolution this week
- Expect to ask SEC on Friday for conditional approval to go to Sponsor Ballot

# P1802.16.1 (proposed)

- Proposed new standard: 10-66 GHz Protocol Implementation Conformance Statement (PICS) IEEE Standard 802.16
- Expect to ask SEC on Friday for approval

# MBWA Study Group

- Mobile Broadband Wireless Access SG
- Approved by SEC in March 2002
  - Following Tutorial
- Met in May 2002
- Will meet again this week
- Likely to ask for renewal until November

# Resources

- on LAN this week:
  - 10.0.1.16
- permanently:
  - <http://WirelessMAN.org>
- tutorials:
  - <http://WirelessMAN.org/tutorial>

- 11:45 802.17 RPR (Resilient Packet Ring)

Takefman



# IEEE 802.17 Resilient Packet Ring

## Meeting # 9

Michael Takefman, Chair

<http://www.ieee802.org/17>  
[stds-802-17@ieee.org](mailto:stds-802-17@ieee.org)





# Officers of RPRWG



- Chair Mike Takefman
- Vice-Chair Bob Love
- Secretary B.J. Lee
- Web-Master John Hawkins
- Editor In Chief Tom Alexander



# 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.



# Meeting Goals

- Opening Plenary
  - Monday afternoon & Tuesday morning
- Comment resolution on Draft 0.3
  - Tuesday afternoon
  - Wednesday
- Closing Plenary
  - Thursday
- Friday SEC Meeting
  - Approve Liason Letter to ITU-T SG17



# Next Interim Meeting



- Sep. 30 – Oct. 3, 2002  
Crowne Plaza Hotel  
New Orleans, Louisiana  
– In conjunction with 802.1, 802.3
- November – Hawaii
- January – Atlanta

- 11:50 802.18 Radio Regulatory TAG

Stevenson

# 802.18 Radio Regulatory Technical Advisory Group (RR-TAG)

Opening Report to the July 2002 Plenaries  
of 801.11, 802.15, and 802.16

Carl R. Stevenson

Interim Chair, 802.18 RR-TAG

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

[carl.stevenson@ieee.org](mailto:carl.stevenson@ieee.org)

# This Plenary is the Official “Kickoff” Meeting of the 802.18 RR-TAG

- Participation by a reasonable number of members of .11, .15, and .16 is needed to accomplish our work and provide balanced representation of the interests of all of the wireless WGs
- Attendance at .18 sessions counts towards maintaining voting rights in your “home” WG
- Those attending 75% or more of the .18 sessions at this meeting gain voting rights ... after this meeting, normal attendance requirements to gain (and maintain) voting rights will take effect

# Output Documents Produced at the May Joint Interim Meetings of .11/.15/.18

(The RR-TAG operated in an ad-hoc mode at this meeting and the output documents were forwarded to .18 for approval prior to seeking SEC approval.)

- Opposition to ARRL Petition for Reconsideration in ET Docket 98-156 (challenge to Part 15)

(Approved by SEC as IEEE 802 filing, filed with FCC on filing deadline date)

- Comments in response to NPRM in ET Docket 02-98 (proposed upgrade of the Amateur Radio Service to primary status at 2400-2402, plus addition of a primary allocation to the Amateur Satellite Service)

(Approved by SEC as IEEE 802 filing, awaiting filing deadline date)



# Objectives for the July 2002 Plenary in Vancouver, BC, Canada

- Seek TAG affirmation of Chair for 2 year term
- Gain SEC approval of 802.18 TAG Charter
- Present SEC with TAG rules change proposals and pursue the rules change process within SEC
- Report on regulatory issues of interest
- Draft and seek approval of any necessary filings with regulatory agencies
- Hold joint meetings with .11 TGg, TGh, WNG SC (and 802.16 if they desire a joint meeting)

# Regulatory Issues of Interest

- WRC-03 Agenda Item 1.5 (5 GHz Issues)
- ARRL Petition for Reconsideration (ET 98-156)
- FCC NPRM Proposing Amateur Primary Allocations at 2400-2402 MHz (ET 02-98)
- FCC Spectrum Task Force Request for Comments (ET 02-135)
- RF Lighting at 2.4 GHz
- China 2.4 GHz Regulations

# Expected Output Documents

- TAG Charter Proposal for SEC Approval
- TAG Rules Change Proposal for SEC
- Comments to WAC on WRC-03 AI 1.5 (5 GHz Issues)  
(Deadline July 12)
- Letter to CITEP PCC III on WRC-03 Agenda Item 1.5 ???
- Reply to ARRL Comments on Opposition to their Petition for Reconsideration (ET 98-156) (MTALFC)
- Comments on FCC Spectrum Policy Task Force Request for Comments (ET 02-135) (MTALFC)

- 11:55 Tutorials

Nikolich

# Tutorials

- Monday 6:30-8:00PM
  - IEEE-SA Staff Standards Process Overview
- Monday 8:30-10PM
  - Open
- Tuesday 6:30-8PM
  - IEEE-SA Staff Standards Process Overview
- Tuesday 8-9:30PM
  - Open

- 11:57 Meeting Arrangements

Rigsbee



July 2002

To: IEEE 802 Members & Attendees –

The November 2002 IEEE 802 Plenary Meeting will be held at the **Hyatt Regency Kauai** and the **Sheraton Resort Kauai** in Koloa, Kauai, Hawaii during the week of **Nov. 10-15, 2002**.

Please note the following **TENTATIVE** meeting and hotel arrangements:

- IEEE 802.1, 802.16, and 802.17 Working Group meetings will be at the Sheraton Resort.
- IEEE 802.3, 802.11, 802.15, and 802.18 Working Group, Executive Committee and Plenary Meetings will be held at the Hyatt Regency Kauai.

This package contains the following information on the IEEE 802 plenary for November 2002:

- Hotel Reservation and Meeting Registration information for the November plenary.
- Hotel reservation forms for mail or fax (you may also reserve your room by telephone).
- Information on airline and rental-car group discounts available for IEEE 802 attendees.
- The IEEE 802 Plenary - Basic Meeting Agenda. Please note: There will likely be some agenda changes. Currently working groups may meet until 12 noon on Friday and the closing SEC meeting is scheduled from 1 to 6 pm on Friday, November 15, 2002. Check the web pages for your Working Group to see the detailed WG agenda for the week.
- Current list of dates and places for future IEEE 802 plenary meetings (2002-2005).
- We are now using a secure website for our web registration service. Information about web registration for this meeting will be posted on the 802 website as it becomes available.
- Web pre-registration for this meeting is strongly encouraged because **it will save you \$50** and much time spent waiting in line at the On-Site Registration Desk. For the November plenary meeting, the fee for web-registration is **\$250/300**, and the fee for On-Site registration is **\$300**. In order to web-register you are required to provide valid credit card information for the payment of the web-registration fee (\$250/300).

**Please Note:** We no longer provide mailed meeting announcements. Meeting information will continue to be available on the IEEE 802 web site at: <http://www.ieee802.org/meeting/>. Please check this site for registration info and possible late updates. We also have an email exploder for keeping folks posted on late-breaking plenary meeting information (e.g. overflow hotel arrangements, hotel goofs or confusions, registration reminders, etc.). To get on this list and stay informed about upcoming plenary meetings, send email with no subject line to: [majordomo@majordomo.ieee.org](mailto:majordomo@majordomo.ieee.org) and with the following 2 lines appearing first in the body of the message:

**subscribe stds-802-all**  
**end**

One final reminder, the contact information for our IEEE 802 meeting planners is as follows:

IEEE 802 LMSC Meetings  
c/o Face To Face Events, Inc.  
2699 Iversen Court  
Santa Clara, CA 95051 USA  
Phone: (408) 241-8906 Fax: (408) 241-8918 Email: [802info@ieee.org](mailto:802info@ieee.org)

Regards, Dr. Everett O. (Buzz) Rigsbee, Executive Secretary, IEEE 802

July 2002

TO: IEEE 802.3, 802.11, 802.15, 802.18 Members, Liaisons & Attendees - **TENTATIVE**  
FM: Everett O. Rigsbee, Executive Secretary, IEEE 802  
Subj: **IEEE 802 LAN/MAN Standards Committee (LMSC) Plenary Meeting Announcement**

**The IEEE 802 LMSC November plenary will be held during the week of November 10-15, 2002 at:**

**Hyatt Regency Kauai**

1571 Poipu Rd, Koloa, Kauai, HI. 96756

Reservation Phone: **(808) 742-1234** Toll Free: **(800) 233-1234** Reservation Fax: **(808) 742- 6265**

Hotel Website: <http://www.kauai.hyatt.com/groupbooking/ieep>

The IEEE 802 Conference rates are: Garden View - \$180, Mountain View - \$200, Lagoon View - \$225, Partial Ocean View - \$250, Deluxe Ocean View - \$275 + tax per night for single/double occupancy. Each additional adult (>18) is \$25 per night. There is a one-time "Porterage" charge of \$5.50 that will appear on your hotel bill. These rates are available from November 2 through November 24, 2002, subject to room availability. Please make your room reservations directly with the hotel using the attached IEEE 802 Hotel Reservation Form, by phone, or via the hotel website listed above. When making reservations by phone, please be sure to identify yourself as a member of the **IEEE 802 Group** to qualify for these special group rates. For this meeting we have arranged a block of rooms that are reserved for IEEE 802 attendees until the reservation deadline (room-block cut-off date).

The **Hotel Reservation Deadline** (Room-block cut-off date) is **Friday, October 4, 2002**

**Please note:** Reservation requests received after this date will be accepted on a space available basis and will still honor the 802 conference rates. One night's deposit (room + tax) or a major credit card guarantee will be required to secure your reservation. Your deposit will be refunded (or the guarantee released), if the reservation is cancelled at least 72 hours prior to arrival date and time. Late cancellations and "No-Shows" will be assessed a one night's (room + tax) penalty. Hotel self-park is currently \$6.00/day and valet-park is currently \$8.00/day with in and out privileges.

**Airport Shuttle:** No hotel shuttles are provided on Kauai. A taxi is about \$40 each way. To get around and see some of the Island, it is suggested that you rent a car at our group rates.

The **Deadline for Web Pre-Registration** for this meeting is: **6pm PDT, Friday, October 25, 2002**

**Meeting Registration:** We are now using a secure website for our registration services. Information on how and when to web-register for this meeting will be posted on the 802 website and sent to the stds-802-all email exploder. The web registration fee of **\$250/\$300** must be paid by credit card. Your credit card is billed at the time you register. The fee for On-Site Registration will be **\$300**, and this can be paid by Visa, MasterCard, American Express, Discover Card, by personal, company, or traveler's checks (in US\$ only), or by US cash. All checks must be made payable to "IEEE 802". Plan to stop by the IEEE 802 Registration Desk on Sunday evening from 5–8 pm or Monday from 8am-5pm to collect your pre-registered packet, or to complete on-site registration for the meeting. At that time you will receive the latest agenda for all of the week's meetings and events. The 802 Executive Committee meets Monday at 8am, and the **802 Opening Plenary Session** begins promptly at 11 am.

If you require further information regarding this meeting, please contact the 802 Conference Organizers at: Email: [802info@ieee.org](mailto:802info@ieee.org), Phone: (408) 241-8906, or Fax: (408) 241-8918, or you may check the IEEE 802 website at: <http://www.ieee802.org/meeting/>.

Sincerely,  
Everett O. Rigsbee, Executive Secretary, IEEE 802



**HYATT REGENCY KAUA'I RESORT & SPA  
RESERVATION REQUEST FOR IEEE P802**

**November 2 – 24, 2002**

The Hyatt Regency Kaua'i Resort & Spa is pleased to welcome the upcoming IEEE P802 program.

Our staff looks forward to serving you in the Hyatt tradition.

**Indicate 1<sup>st</sup> and 2<sup>nd</sup> Room Choices:**

- \_\_\_ \$180.00 S/D Garden View
- \_\_\_ \$200.00 S/D Mountain View
- \_\_\_ \$225.00 S/D Lagoon View
- \_\_\_ \$250.00 S/D Partial Ocean View
- \_\_\_ \$275.00 S/D Deluxe Ocean View

**Please Check Bed-Type:**

- \_\_\_ King
- \_\_\_ Double/Double
- \_\_\_ # of Roll-Away Beds

**# Of Guests**

- \_\_\_ Adults
- \_\_\_ Children

**Room Type**

- [ ] Smoking
- [ ] Non-Smoking

- Rates are subject to State of Hawaii sales and hotel taxes, currently 11.42% (subject to change).
- Additional persons 19 years or older, \$25.00 charge per night.
- All special requests are subject to availability.
- One reservation form per room, please.

**Your rate choice is subject to availability, and if the category you requested is not available, a room will be assigned at the nearest available rate.**

**Your reservations must be received prior to October 4, 2002.**

**Pre- and Post-Meeting Week rooms are subject to availability only (no block reserved).**

(Please print)

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| <b>Name:</b>            |  | <b>Gold Passport #:</b> |  |
| <b>Company:</b>         |  |                         |  |
| <b>Address:</b>         |  | <b>Credit Card #:</b>   |  |
| <b>City, State, Zip</b> |  | <b>Expiration Date:</b> |  |
| <b>Daytime Phone:</b>   |  | <b>Signature:</b>       |  |
| <b>Arrival Date:</b>    |  | <b>Arrival Time:</b>    |  |
| <b>Departure Date:</b>  |  | <b>Departure Time:</b>  |  |

Name of Person Sharing Accommodation: \_\_\_\_\_

- Room will be available for check-in after 3:00 PM.
- Check-out time is 12:00 Noon.
- Mandatory portorage charges for groups are currently established at \$5.50 per person, round trip, plus Hawaii State tax at 4.166%. This rate is based on two (2) bags per person and is subject to change. This charge will automatically be posted to your room folio.
- Overnight parking charges are as follows: \$6.00 for self-parking; \$8.00 for valet parking.

**Reservation forms with credit card guarantee:**

- Fax to (808) 742-6265.
- Reservations will be guaranteed to the major credit card specified above on this reservation request form.

**Reservation forms with deposit checks:**

- Payable to HYATT REGENCY KAUA'I RESORT & SPA
- Mail to: Hyatt Regency Kaua'i Resort & Spa, P.O. Box 31000, Honolulu, Hawaii 96849-5197
- Telephone Number (808) 742-1234.
- Telephone Number (800) 55-HYATT.

**Cancellation Policy:**

Any confirmed reservation who cancels < 72 hours prior to 6pm of arrival date or fails to check-in: **One night's room + tax penalty**

We look forward to your visit to the Hyatt Regency Kaua'i Resort & Spa.

July 2002

TO: IEEE 802.1, 802.16, and 802.17 Working Group Members, Liaisons & Attendees - **TENTATIVE**  
FM: Everett O. Rigsbee, Executive Secretary, IEEE 802  
Subj: **IEEE 802 LAN/MAN Standards Committee (LMSC) Plenary Meeting Announcement**

The IEEE 802 LMSC November plenary will be held during the week of November 10-15, 2002.

The IEEE 802.1, 802.16, 802.17 Working Groups will hold all of their meetings at the Sheraton Kauai.

### **Sheraton Kauai Resort**

2440 Ho'onani Rd, Koloa, Hawaii 96756

Reservation Phone: **(808) 742-1661** Toll Free: **(888) 847- 0208** Reservation Fax: **(808) 742-9777**

Hotel Website: <http://www.sheraton-kauai.com/>

The IEEE 802 Group rates are: Garden Room \$165.00(US) or Deluxe Ocean Front Room \$215.00(US)+tax per night for single or double/twin occupancy. Each additional adult is an additional \$45.00 per person per night. These rates are available from November 2 through November 24, 2002, subject to room availability. Please make your room reservations directly with the hotel using the attached IEEE 802 Hotel Reservation Form, or by phone (web reservations are not available). When making reservations by phone, please be sure to identify yourself as a member of the **IEEE 802 Group** to qualify for these special group rates. For this meeting we have arranged a block of rooms that are reserved for IEEE 802 attendees until the reservation deadline (room-block cut-off date).

The **Hotel Reservation Deadline** (Room-block cut-off date) is: **Friday, October 4, 2002**

**Please note:** Reservation requests received after this date will be accepted on a space available basis and will still honor the 802 conference rates. One night's deposit (room + tax) or major credit card guarantee will be required to secure your reservation. Your deposit will be refunded (or the guarantee released), if the reservation is cancelled at least 72 hours prior to 6 pm of arrival date. Late cancellations and "No-Shows" will be assessed a one night's (room + tax) penalty. Self-parking is free and currently valet parking is \$5.00/day with in and out privileges.

**Airport Shuttle:** No hotel shuttles are provided on Kauai. A taxi is about \$40 each way. To get around and see some of the Island, it is suggested that you rent a car at our great group rates.

The **Deadline for Web Registration** for this meeting is: **6 pm PDT, Friday, October 25, 2002**

**Meeting Registration:** We are now using a secure website for our registration services. Information on how and when to web-register for this meeting will be posted on the 802 website and sent to the email exploder (stds-802-all). The web registration fee of **\$250/300** must be paid by credit card. Your credit card is billed at the time you register. The fee for On-Site Registration will be **\$300**, and this can be paid by Visa, MasterCard, American Express, Discover Card, by personal, company, or traveler's checks (in US\$ only), or by US cash. All checks must be made payable to "IEEE 802". Plan to stop by the IEEE 802 Registration Desk on Sunday evening from 5-8 pm or Monday from 8am-5pm to collect your pre-registered packet, or to complete on-site registration for the meeting. At that time you will receive the latest agenda for all of the week's meetings and events. The 802 Executive Committee meets Monday at 8am, and the **802 Opening Plenary Session** begin promptly at 11 am on Monday.

If you require further information regarding this meeting, please contact the 802 Conference Organizers at: Email: [802info@ieee.org](mailto:802info@ieee.org), Phone: (408) 241-8906, or Fax: (408) 241-8918, or you may check the IEEE 802 website at: <http://www.ieee802.org/meeting/>.

Sincerely,  
Everett O. Rigsbee, Executive Secretary, IEEE 802

**IEEE 802 Group - Hotel Reservation Form for 802.1/.16/.17 Working Groups **TENTATIVE****

**Sheraton Kauai Resort**

2440 Ho'onani Rd, Koloa, Hawaii 96756

Reservation Phone: **(808) 742-1661** Toll Free: **(888) 847- 0208** Reservation Fax: **(808) 742-9777**

Hotel Website: <http://www.sheraton-kauai.com/>

The Sheraton Kauai is pleased to welcome the attendees of the November 2002 IEEE 802 Plenary Meeting. Our entire staff would like to take this opportunity to extend a warm welcome to you during your upcoming stay.

|   |   |                 |
|---|---|-----------------|
| <b>Group Name: IEEE 802 LAN/MAN Standards Committee Plenary Meeting</b> |   |                 |
| Meeting Dates: <b>November 10-15, 2002</b>                              | Group Code: <b>IEEE 802</b>                               |                 |
| Guest Information: (please fill in below)                               | Room Block Reserved until: <b>Friday, October 4, 2002</b> |                 |
| Last Name:  | First Name:   |                 |
| Arrival date:   | Arrival time:   | Departure date: |
| Company:  | Phone:  |                 |
| Address:  | Fax:  |                 |
| City:   | State:  | Zip Code:       |
| Credit Card # (VISA, M/C, Amex, or Discover):                           | Exp. Date:  |                 |
| Cardholder's Signature:   | Print Cardholders Name:                                   |                 |
| Any special requests:   | E-mail:   |                 |

⊕ Reservations received after October 4, 2002 (or after the block has been filled) will continue to be accepted at the 802 group rates on a space available basis. Book early to assure your preferred room accommodations.

\$ To guarantee your reservation include a first night's deposit (room + tax) or provide a major credit card for guarantee (above). If you do not wish to use a credit card, you must mail a check payable to "Sheraton Kauai" with this form. **Do Not Send Cash.** The deposit will be refunded if the reservation is cancelled at least 72 hours prior to 6 pm of arrival date. Late cancellations and No-Shows will be assessed a one night's (room + tax) penalty. Please retain the cancellation number provided until credit/refund is received. Group rates apply from November 2-24, 2002 (subject to room availability).

| Group Rate (per night Single/Double):                         | Please Indicate Type of Room(s) Requested: |                              |
|---|--|------------------------------|
| _____ \$165.00 Garden View + 11.41% tax per night             | _____ Single(s)                            | 1 person                     |
| _____ \$215.00 Ocean Deluxe + 11.41% tax per night            | _____ Double(s)                            | 2 persons – 1 bed (King)     |
| _____ \$45.00 for each additional adult+ 11.41% tax per night | _____ Twin(s)                              | 2 persons – 2 beds (Doubles) |
|   | _____ Smoking                              | _____ Non-Smoking            |

**Note:** Hotel check-in time is 3 pm; checkout time is 12 noon. Currently, the hotel room tax is 11.42% sales tax. There is no additional charge for children 18 years or younger staying in the same room with parents.

## IEEE 802 - Airline Discount Information

AMERICAN, DELTA, HAWAIIAN, and UNITED Airlines have all joined with IEEE 802 to offer special convention airfares, not available to the general public, when you attend the November 2002 Plenary Meeting at the Hyatt Regency Kauai and Sheraton Resort Kauai.

IEEE 802 has made arrangements with American, Delta, Hawaiian, and United airlines to provide you with discounts of **5%**, **10%**, or **15%** off current published fares. Please note that seats are limited and that some restrictions do apply on all fares, so call early for best choice and availability. Fares are guaranteed only at time of ticket purchase. To obtain the best fare and schedule info, please contact the airline's Convention Desk at the numbers listed below.

If you purchase tickets from a local travel agent, be sure that your travel agent contacts the appropriate airline Convention Desk and provides the **IEEE 802-file number**. Your travel agent will still receive the normal commission, and you will receive a more cost-effective fare.

| <b>AIRLINE/<br/>Phone Number/<br/>times available</b>                | <b>IEEE 802<br/>Account Number</b>          | <b>Allowed<br/>Travel Dates</b>                           |
|--|---|---|
| <b>AMERICAN<br/>(800) 433-1790<br/><br/>Daily 8 am –1 am EST</b>     | <b>American<br/><br/>22N2BA</b>             | <b>November 5, 2002<br/>through<br/>November 21, 2002</b> |
| <b>DELTA<br/>(800) 241- 6760<br/><br/>Weekdays 8 am – 11 pm EST</b>  | <b>Delta<br/><br/>File # DMN182561A</b>     | <b>November 3, 2002<br/>through<br/>November 23, 2002</b> |
| <b>UNITED<br/>(800) 521- 4041<br/><br/>Weekdays 7 am – 12 pm EST</b> | <b>United<br/><br/>Meeting Plus # 500BU</b> | <b>November 5, 2002<br/>through<br/>November 21, 2002</b> |
| <b>HAWAIIAN<br/>(800) 367-5320<br/><br/>3am to 9:30pm (HST)</b>      | <b>Hawaiian<br/><br/>Acct# IEEE802</b>      | <b>November 3, 2002<br/>through<br/>November 23, 2002</b> |

# IEEE 802 – Rental Car Discounts

Avis Worldwide Discount # for IEEE 802 Group: AWD# **A606094**, Rate Code: **M7/M9**

**On-line reservations are now available. Please click on the following link to book your rental car.**  
<http://www.avis.com/AvisWeb/html/meetings/webpage.html?1532>

When making your reservations, please quote the AWD # and Rate Code shown above in order to receive the special meeting discount rates. Reservations must be made by calling the Meeting Reservation and Information Desk at: **(800) 331-1600** or go online at the link above.

Should a lower qualifying rate become available, Avis will offer a 5% discount off that rate. The attendee must use the assigned Avis Worldwide Discount Number and meet Avis rental requirements to receive this additional discount.

Rates are available from November 1 – November 25, 2002. You must return car to same location or additional charges will apply. All rates include unlimited free mileage. Rates quoted below do not include charges for tax, optional insurance, or gas refueling. Renter must meet Avis minimum age, driver, and credit requirements.

## Kauai, Koloa, HI

## November 2002

Rates shown are in US dollars and do not include taxes

| CAR CLASS        | DAILY | WEEKLY * |
|------------------|-------|----------|
| Compact          | 32.00 | 160.00   |
| Intermediate     | 36.00 | 180.00   |
| 4-door Full Size | 40.00 | 200.00   |
| Sport Utility    | 56.00 | 280.00   |
| Mini Van         | 56.00 | 280.00   |
| Convertible      | 56.00 | 280.00   |

\* Weekly rental period = five through seven days

\* Weekend only rates (Thurs.-Sun.) are available at a considerable discount.

Should a lower qualifying rate become available, Avis is pleased to present a 5% discount on that rate OR if a car size selected above is not available, Avis will discount the next best available rate by 5%.

## IEEE 802 Plenary – Basic Meeting Format

| <b>Date:</b> | <b>Time:</b> | <b>Meeting Name:</b>  |
|--------------|--------------|---|
| <b>Sun</b>   | 5-8p         | IEEE 802 Registration @ 802 Registration Desk                   |
| <b>Mon</b>   | 8a-5p        | Registration Desk   |
|              | 8-10:30a     | 802.0 Executive Committee                                       |
|              | 11a-12n      | <b>IEEE 802 Opening Plenary</b>                                 |
|              | 1-6p         | 802.1 Architecture, Bridging & Interworking(AB&I) Working Group |
|              | 1-6p         | 802.3 CSMA/CD (Ethernet) Working Group                          |
|              | 1-11p        | 802.11 Wireless LAN Working Group                               |
|              | 1-6p         | 802.15 Wireless Personal Area Network(PAN) Working Group        |
|              | 1-6p         | 802.16 Broadband Wireless Access Working Group                  |
|              | 1-6p         | 802.17 Resilient Packet Rings                                   |
|              | 1-6p         | 802.18 RRTAG  |
|              | 6:30-8p      | Tutorial#1: scheduled by request of WG Chair                    |
|              | 8-9:30p      | Tutorial#2: scheduled by request of WG Chair                    |
|              | <b>Tues</b>  | 8a-5p   |
| 8a-6p        |              | 802.1 AB&I Working Group & Breakouts                            |
| 8a-6p        |              | 802.3 CSMA/CD Working Group & Breakouts                         |
| 8a-11p       |              | 802.11 Wireless LAN Working Group & Breakouts                   |
| 8a-6p        |              | 802.15 Wireless PAN Working Group & Breakouts                   |
| 8a-6p        |              | 802.16 Broadband Wireless Access Working Group & Breakouts      |
| 8a-6p        |              | 802.17 Resilient Packet Rings                                   |
| 8a-6p        |              | 802.18 RRTAG  |
| 6:30-8p      |              | Tutorial#3: scheduled by request of WG Chair                    |
| 8-9:30p      |              | Tutorial#4: scheduled by request of WG Chair                    |
| <b>Wed</b>   |              | 8a-5p   |
|              | 8a-12n       | 802.1 Technical Plenary   |
|              | 8a-6p        | 802.1 AB&I Working Group & Breakouts                            |
|              | 8a-6p        | 802.3 CSMA/CD Working Group & Breakouts                         |
|              | 8a-11p       | 802.11 Wireless LAN Working Group & Breakouts                   |
|              | 8a-6p        | 802.15 Wireless PAN Working Group & Breakouts                   |
|              | 8a-6p        | 802.16 Broadband Wireless Access Working Group & Breakouts      |
|              | 8a-6p        | 802.17 Resilient Packet Rings                                   |
|              | 8a-6p        | 802.18 RRTAG  |
|              | 6:30-9p      | <b>802 Social Reception</b>                                     |
|              | <b>Thur</b>  | 8a-5p   |
| 8a-6p        |              | 802.1 AB&I Working Group & Breakouts                            |
| 8a-6p        |              | 802.3 CSMA/CD Working Group & Breakouts                         |
| 8a-11p       |              | 802.11 Wireless LAN Working Group & Breakouts                   |
| 8a-6p        |              | 802.15 Wireless PAN Working Group & Breakouts                   |
| 8a-6p        |              | 802.16 Broadband Wireless Access Working Group & Breakouts      |
| 8a-6p        |              | 802.17 Resilient Packet Rings                                   |
| 8a-6p        |              | 802.18 RRTAG  |
| <b>Fri</b>   | 8a-12n       | 802.x Working Groups (details TBA)                              |
|              | 1p-6p        | 802.0 Executive Committee                                       |

**Note:** Please contact your 802.x Working Group Chair for a more detailed WG subagenda.

# **IEEE 802 Plenary Meeting Schedule**

## **2002**

**November 10-15 – Hyatt Regency Kauai, Koloa, HI**

## **2003**

**March 9-14 – Hyatt Regency DFW, Dallas, TX**

**July 20-25 – Hyatt Regency SF, San Francisco, CA**

**November 9-14 – Hyatt Regency Albuquerque, NM**

## **2004**

**March 14-19 – Hyatt Orlando, Kissimmee, FL**

**July 11-16 – Portland Hilton, Portland OR**

**November 14-19 – Hyatt Regency San Antonio, TX**

## **2005**

**March 13-18 – to be determined**

**July 10-15 – Hyatt Regency SF, San Francisco, CA**

**November 13-18 – to be determined**

- 12:00 ADJOURN

The meeting was adjourned at 12:08pm

Respectfully Submitted,

5 Bob O'Hara  
Recording Secretary