March 2017
IEEE 802
LMSC
115th Plenary Session

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**Standards Project Authorization**

- **Date of Request**: August 25, 1979
- **Project No**: 591
- **Date Approved**: 3/13/80

1. **Scope and Purpose of Proposed Standard**: The proposed standard will apply to data processing devices which need to communicate with each other at a moderate data rate (1 Mbit/sec) and within a local area (physical data path up to 4 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacture so that the hardware and software customization necessary for effective data communication is minimized or eliminated.

2. **Sponsor**: Computer Standards Technical Committee
   - **Proposed ANSI Committee**: X3
   - **Date Approved**:

3. **Proposed Coordination**:
   - **Method of Coordination**: Dr. Herbert Hecht (Computer Society Representative to X3). Also coordination with ICC Committees will be undertaken. Minutes will be mailed to ANSI x 3 Secretary.

4. **Name of Group that will Write the Standard**: Microprocessor Standards Subcommittee

5. **Estimated Final Draft Date**: December 1982
   - **To Technical Committee**: March 1983

6. **Person Designated to Receive Communications and Conduct Liaison with Interested Bodies**: Maris Graube
   - **Company**: Tektronix, Inc.
   - **Street Address**: P.O. Box 500, M/S 5B-188
     - **City**: Beaverton, OR 97077
     - **Telephone**: (503) 644-0161 Ext. 6234
   - **City**:
   - **State**: OR
   - **Zip Code**: 97003

7. **Submitter**: Dr. Robert G. Stewart
   - **Company**: Stewart Research Enterprises
   - **Street Address**: 1658 Belvoir Drive
     - **City**: Los Altos, CA
     - **Zip Code**: 94022
     - **Telephone**: (415) 941-8699

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Draft 03 Document: ec-17-0028-03-00EC
4.00 IEEE Support Staff

1. Michelle Turner  role: 802 lead editorial support  
title: Managing Editor

2. Jonathan Goldberg  role: Lead SA staff for overall 802 sponsor  
Supports dot03, dot15, dot21, dot22, dot24 groups  
title: Manager, Operational Program Management

3. Kathryn Bennet  role: Supports dot01, dot11, dot16, dot18, dot19 groups  
title: Senior Program Manager

4. Walter Pienciak  role: Focus on 802.1 (OmniRAN), IEEE 802.16 and 5G  
title: Senior Strategic Program Manager

5. Patrick Slaats  role: Support of 5G related and 802 strategic activities  
title: Strategic Program Manager

6. Nicholas Orlando  role: IEEE Staff to ComSoc standards related activities  
title: Project Coordinator
4.01 Meeting Fee Waivers

Invited Guests

EC Motion: Mover: D’Ambrosia Seconder: Stephens

Approve meeting fee waivers for the March 2017 LMSC session for the following individuals:

1. Don Wright - affiliation: President Standards Strategies LLC,
   - IEEE: 2017/2018 Standards Association President

2. Frederic Surre - affiliation: Assistant Prof, City University London
   - IEEE: 2017 Standards Education Committee,
     Corresponding Member; Education Activities Board, Student Branch Counsellor

3. Phil Barber - affiliation: SpaceX
   - IEEE: former active participant in 802.11 and 802.16 working groups
5.01 Chair’s Announcement

• Chair’s opening remarks
  – Apurva can’t make the opening EC, the 802.22 vice chair is unavailable, requested that Oliver Holland, vice chair of 802.22.3 Spectrum Sensing project representing the 802.22 working group at the opening IEEE 802 LMSC EC meeting (ask Oliver for a brief intro)
  – Attendee sign in sheet reminder
  – Consent Agenda Process - https://mentor.ieee.org/802-ec/dcn/16/ec-16-0183-00-00EC-consent-agenda-request-procedure.pptx
  – Motions Template - https://mentor.ieee.org/802-ec/dcn/16/ec-16-0170-03-00EC-802-ec-motion-template.pptx
  – Reminder 802 EC Special Monday 18:30-19:20 meeting, Thompson
  – Reminder 802 Chair’s Open Office Hours, Thursday 9:00-10:00, Nikolich (location: Oxford 3rd floor Hyatt)
5.01 In Memorium
Shusaku Shimada (1951-2017)

- 1974-2012 Yokogawa Electric Corporation
- Wireless Standardization Scientist, International Standardization Group Manager, Corporate R&D Center.
- 2012-2017 Schubiquist Technologies Guild
- Founder & C.E.O.
  - IEEE802.11n,ac,ah
  - IEEE802.15.4d Technical co-editor
  - 15.4g, 15.4e, TG4s
- IEEE1394
- IEEE802.16
5.01 Interim EC telecon
June meeting notice

• Interim EC meeting scheduled for
  – 06 June 1-3PM ET
5.02 SA BoG Update

• BoG meetings December 2016 and February 2017
  – SA 2018 budget discussions begun
  – Approved SASB and associated subcommittee members for 2017 term
  – Approved IEEE Policy Position Statement IEEE Adherence to the World Trade Organization Principles for International Standardization

• IEEE BoD meetings November 2016 and February 2017
  – tbd
Project Authorization Approvals DEC 2016 and FEB 2017

New Projects: P802.1CS, P802.3cg, P802.11ba, P802.19.2.

Modified PAR: P802c.

Revisions: P802.1AR, P802.16.

Reaffirmations: none.

Corrigendum: none.

Withdrawals: none.

Extensions: none.

Other: none.
5.03 SA Standards Board Actions

Standards Ratification Actions DEC 2016 and FEB 2017

New Standards: 802d, 802.1AEcq, 802.1AX, 802.1Qci, 802.3bu, 802.3bv, 802.11ah, 802.11ai, 802.15.3e, 802.15.4t, 802.15.10, 802.21.1.

Revised Standards: 802.11, 802.21.

Reaffirmations: none.

Corrigendum: none.

Extensions: none.

Withdrawals: 802.22.1 (Sponsor Withdrawal).

Other Notes: none.
## 5.04

**LMSC Email Ballot Recap**

<table>
<thead>
<tr>
<th>open date</th>
<th>topic</th>
<th>yes/no/abs/dnv*</th>
<th>result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) 12DEC</td>
<td>Confirm 802 RAC representatives</td>
<td>11/00/01/04</td>
<td>pass</td>
</tr>
<tr>
<td>2) 20JAN</td>
<td>dot03 WG liaison with ODVA</td>
<td>12/00/01/03</td>
<td>pass</td>
</tr>
<tr>
<td>3) 18FEB</td>
<td>802 comments on FCC Amtrak waiver</td>
<td>11/00/00/05</td>
<td>pass</td>
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</tbody>
</table>

* 802 chair is counted as DNV unless his vote is required
## 5.05 EC Affiliation Update

### IEEE 802 Executive Committee Members

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Paul Nikolich</td>
<td>Self, Intel, Huawei, Silver Spring Networks octoScope, UNH BCoE, YAS BBV</td>
</tr>
<tr>
<td>First Vice Chair</td>
<td>Pat Thaler</td>
<td>Broadcom Limited</td>
</tr>
<tr>
<td>Second Vice Chair</td>
<td>James P. K. Gilb</td>
<td>General Atomics Aeronautical Systems, Inc.</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Clint Chaplin</td>
<td>Self</td>
</tr>
<tr>
<td>Recording Secretary</td>
<td>John D'Ambrosia</td>
<td>Futurewei, a subsidiary of Huawei</td>
</tr>
<tr>
<td>Executive Secretary</td>
<td>Jon Rosdahl</td>
<td>Qualcomm Technologies, Inc.</td>
</tr>
<tr>
<td>P802.1 High Level Interface (HILI)</td>
<td>Glenn Parsons</td>
<td>Ericsson</td>
</tr>
<tr>
<td>P802.3 Ethernet</td>
<td>David Law</td>
<td>Hewlett Packard Enterprise</td>
</tr>
<tr>
<td>P802.11 Wireless Local Area Network (WLAN)</td>
<td>Adrian Stephens</td>
<td>Intel Corporation</td>
</tr>
<tr>
<td>P802.15 Wireless Personal Area Network (WPAN)</td>
<td>Bob Heile</td>
<td>Wireless Communication Consulting, LLC., Wi-SUN Alliance</td>
</tr>
<tr>
<td>P802.16 Broadband Wireless Access</td>
<td>Roger Marks</td>
<td>EthAirNet Associates, Huawei</td>
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<tr>
<td>P802.18 Radio Regulatory TAG</td>
<td>Rich Kennedy</td>
<td>Hewlett Packard Enterprise</td>
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<tr>
<td>P802.19 Wireless Coexistence</td>
<td>Steve Shellhammer</td>
<td>Qualcomm Technologies, Inc.</td>
</tr>
<tr>
<td>P802.21 Media-independent Handover</td>
<td>Subir Das</td>
<td>Applied Communication Sciences</td>
</tr>
<tr>
<td>P802.22 Wireless Regional Area Networks</td>
<td>Apurva Mody</td>
<td>BAE Systems, White Space Alliance</td>
</tr>
<tr>
<td>P802.24 Vertical Network Applications TAG</td>
<td>Tim Godfrey</td>
<td>EPRI</td>
</tr>
<tr>
<td>Member Emeritus</td>
<td>Geoff Thompson</td>
<td>GraCaSI Advisors</td>
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</table>

### Hibernating Working Groups

5.05 EC Affiliation Update

• Changes in affiliation among EC members from previous slide?
## 5.06 Cross-802 Topics

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30-19:20</td>
<td>The impact of US travel restrictions on venue selection, Thompson</td>
<td>Regency CD 3&lt;sup&gt;rd&lt;/sup&gt; flr</td>
</tr>
<tr>
<td>19:30-20:50</td>
<td>An Introduction to 802.11’s Latest Standards Activities, Stephens</td>
<td>Regency CD 3&lt;sup&gt;rd&lt;/sup&gt; flr</td>
</tr>
<tr>
<td>Tuesday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30-15:30</td>
<td>802/JTC1 Standing Committee, Myles</td>
<td>Room: Oxford 3&lt;sup&gt;rd&lt;/sup&gt; flr</td>
</tr>
<tr>
<td></td>
<td>802/IETF Standing Committee, Thaler</td>
<td>Room: Oxford 3&lt;sup&gt;rd&lt;/sup&gt; flr</td>
</tr>
<tr>
<td>Wednesday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>08:00-09:00</td>
<td>802/ITU Standing Committee, Parsons</td>
<td>Room: Oxford 3&lt;sup&gt;rd&lt;/sup&gt; flr</td>
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<tr>
<td></td>
<td>Social Reception</td>
<td>Pacific Ballroom</td>
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<tr>
<td>Thursday</td>
<td></td>
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<tr>
<td>07:00-08:00</td>
<td>Next Venue Logistics, Rosdahl</td>
<td>Room: Oxford 3&lt;sup&gt;rd&lt;/sup&gt; flr</td>
</tr>
<tr>
<td>08:00-09:00</td>
<td>Future Venues Ad Hoc, Rosdahl</td>
<td></td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>Chair’s Open Office Hours, Nikolich</td>
<td></td>
</tr>
<tr>
<td></td>
<td>802/JTC1 Standing Committee, Myles</td>
<td>Room: Oxford 3&lt;sup&gt;rd&lt;/sup&gt; flr</td>
</tr>
</tbody>
</table>
5.07 Drafts to Sponsor Ballot

1. 802.01: none.
2. 802.03: P802.3cb, 802.3cc.
3. 802.11: P802.11aj, P802.11ak (cond).
4. 802.15: 802.15.3d, 802.15.3d (cond), 802.15.8 (cond).
5. 802.16: 802.16s (cond).
7. 802.21: none.
8. 802.22: none.
5.08 Drafts to RevCom

1. 802.01: none.
2. 802.03: P802.3-2015/Cor 1 (IEEE 802.3ce).
3. 802.11: none.
4. 802.15: 802.15.4v.
5. 802.16: none.
6. 802.19: none.
7. 802.21: none.
8. 802.22: none.
5.09 Draft Documents to EC consider

1. 802.00: WG P&P editorial changes, Chair’s Guidelines changes, response to SASB regarding remedy effectiveness.
2. 802.01: none.
3. 802.03: 802.3bu-2016 Power over Data Lines (PoDL) press release.
4. 802.11: possibly 802.11ai and 802.11ah (preliminary) press releases.
5. 802.15: none.
6. 802.16: none.
7. 802.18: Response to the ISED (Canada) consultation on 5150-5250 MHz, Response to Ofcom 5.8 GHz band proposal
8. 802.19: Liaison to 3GPP regarding LAA/802.11 coexistence.
9. 802.21: none.
10. 802.22: none.
11. 802.24: none.
12. 802/JTC1 SC: tbd.
15. 802/Wireless Chairs SC: tbd.
STDs due for 10 yr maintenance by DEC16

• none
5.10 Draft PARs to NesCom

1. P802.3ch greater than 1 Gb/s Automotive Ethernet.
2. P802.11 Standard Revision.
3. P802.15.4 REVd (maintenance).
4. P802.15.3f mmWave Band Extension (64 to 71 GHz).
5. P802.15.11 multi-gigbit Optical Wireless Communications (OWC).
6. P802.21 corrigenda

PAR withdrawal requests:

1. None.
## 5.11 Pre-PAR activity

<table>
<thead>
<tr>
<th>Group</th>
<th>New</th>
<th>Existing</th>
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</thead>
<tbody>
<tr>
<td>dot01</td>
<td>Industries Connections deliberations on IEEE 802 network enhancements for the next decade. Amend 802.1AC to include 802.15.3.</td>
<td>None.</td>
</tr>
<tr>
<td>dot03</td>
<td>None.</td>
<td>SG: Multi-Gig Automotive Ethernet PHY (1st ext). ICAID: New Ethernet Applications. Enterprise/Campus/Data Centre Ethernet ad hoc.</td>
</tr>
<tr>
<td>dot15</td>
<td>None.</td>
<td>SG none. Interest Groups: LPWA, TeraHertz, High Rate Rail Communications SC: IETF/6tisch. Recommended practice on how to use 802.19.4.</td>
</tr>
</tbody>
</table>
## 5.11 Pre-PAR activity

<p>| | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>dot16</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>dot18</td>
<td>None.</td>
<td>None.</td>
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<td>dot19</td>
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<td>dot21</td>
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<td>dot22</td>
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<td>dot24</td>
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<td>dot ECSG</td>
<td>None.</td>
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</table>
5.12 EC Action Item recap

- Review Recording Secretary’s list of Open Action Items
5.13 802 Task Force

- 802 Task Force Thurs 10:30AM-12:30

Tentative agenda

1. Open portion of meeting:
   1. Clarification of Indemnification Policy update, 5 min, Thompson
   2. IEEE SA staff update, 15 min, Goldberg
   3. Chair’s interpretation of the definition for “public statement”, 15 min, Gilb
   4. (Time specific 11:30am) IEEE SA tools update/discussion, 15 min, Goldberg/Rosdahl
   5. (Time specific 11:45am) Finalize 802 EC response to SASB regarding feedback on the impact of the November 2016 802 EC dominance remedy ratified by SASB, 30 min, Nikolich
   6. Action item review, 5 min, Nikolich

2. Closed portion of meeting (if necessary):
   1. None.

3. Adjourn
# 5.50 EC meetings for the week

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday</td>
<td>19:30-21:30</td>
<td>LMSC Rules Review</td>
</tr>
<tr>
<td>Mon</td>
<td>08:00-10:00</td>
<td>Opening Executive Committee meeting</td>
</tr>
<tr>
<td>Mon</td>
<td>18:30-19:20</td>
<td>Open discussion: impact of US travel restrictions on venue</td>
</tr>
<tr>
<td>Mon</td>
<td>19:30-20:50</td>
<td>Tutorial: An Introduction to 802.11’s Latest Stds Activities</td>
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<tr>
<td>Tue</td>
<td>07:00-09:00</td>
<td>open</td>
</tr>
<tr>
<td>Tue</td>
<td>13:30-15:30</td>
<td>802/JTC1/SC6 Standing Committee</td>
</tr>
<tr>
<td>Tue</td>
<td>13:30-15:30</td>
<td>802/IETF Standing Committee (room tbd)</td>
</tr>
<tr>
<td></td>
<td>16:00-18:00</td>
<td>open</td>
</tr>
<tr>
<td>Wed</td>
<td>08:00-09:00</td>
<td>802/ITU Standing Committee</td>
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<tr>
<td>Thu</td>
<td>07:30-08:00</td>
<td>Plenary venue space allocation planning</td>
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<tr>
<td>Thu</td>
<td>08:00-09:00</td>
<td>Future venue planning</td>
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<tr>
<td>Thu</td>
<td>09:00-10:00</td>
<td>802 Chair’s Open Office hour</td>
</tr>
<tr>
<td>Thu</td>
<td>10:30-12:30pm</td>
<td>IEEE 802 Task Force</td>
</tr>
<tr>
<td>Thu</td>
<td>13:30-15:30</td>
<td>802/JTC1/SC6 Standing Committee</td>
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<td>16:00-18:00pm</td>
<td>open</td>
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<tr>
<td>Fri</td>
<td>08:00-10:00</td>
<td>open</td>
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<tr>
<td>Fri</td>
<td>10:00-12:00</td>
<td>closing EC agenda prep</td>
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<tr>
<td>Fri</td>
<td>13:00-18:00</td>
<td>closing Executive Committee meeting (Plaza BC)</td>
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End of Opening EC Meeting