Maintenance Task Group Meeting

May 22^{nd}, 2018, v1
John Messenger
Maintenance meeting
May 22\textsuperscript{nd}, 2018 Agenda

- Patents and Guidelines
- Attendees
- Status
- New Maintenance items
  - none
- Existing Maintenance items
  - Open maintenance items that are not balloting
  - 802.1Q-2018-related items – review and close as necessary
- Comment resolution
  - 802.1AC-2016-Cor-1/D1.2
- Liaisons
  - None received
- SC6 comment resolution
  - None
- SC6 status
Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

• Show slides #1 through #4 of this presentation
• Advise the WG attendees that:
  • IEEE’s patent policy is described in Clause 6 of the IEEE-SA Standards Board Bylaws;
  • Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
  • There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
• Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
  • That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  • That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  • Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
• The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
• It is recommended that the WG Chair review the guidance in IEEE-SA Standards Board Operations Manual 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: WG includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.
Participants have a duty to inform the IEEE

• Participants **shall** inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents

• Participants **should** inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

Early identification of holders of potential Essential Patent Claims is encouraged
Ways to inform IEEE

• Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or

• Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or

• Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair
Other guidelines for IEEE WG meetings

• All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
  • Don’t discuss the interpretation, validity, or essentiality of patents/patent claims.
  • Don’t discuss specific license rates, terms, or conditions.
    • Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
      • Technical considerations remain the primary focus
  • Don’t discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
  • Don’t discuss the status or substance of ongoing or threatened litigation.
  • Don’t be silent if inappropriate topics are discussed ... do formally object.

Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- IEEE-SA Standards Board Bylaws
  (http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6)
  (http://standards.ieee.org/develop/policies/opman/sect6.html#6.3)

Material about the patent policy is available at http://standards.ieee.org/about/sasb/patcom/materials.html

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org
Participation in IEEE 802 Meetings

Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis

- Participants in the IEEE standards development individual process shall act based on their qualifications and experience. (https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1)

- IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)

- Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.

- Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.

By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.

January 23\textsuperscript{rd}, 2018 Attendees

Assmann, Ralf
Bjornstad, Steinar
Boiger, Christian
Chen, Feng
Congdon, Paul
Cummings, Rodney
Ellegaard, Lars
Fang, Yonggang
Farkas, Janos
Finn, Norman
Garner, Geoffrey
Gray, Eric W
Gunther, Craig
Gutierrez, Marina
Haddock, Stephen
Itaya, Satoko
Kehrer, Stephan
Kirrmann, Hubert
Mansfield, Scott
Maruhashi, Kenichi
McIntosh, James
Messenger, John
Morita, Naotaka
Ohsawa, Tomoki
Pannell, Donald R
Parsons, Glenn
Qiu, Wei
Riegel, Maximilian
Rouyer, Jessy
Sato, Atsushi
Seaman, Michael
Specht, Johannes
Thaler, Patricia
Wang, Hao
Wang, Tongtong
Weber, Karl
Weis, Brian
Wessels, Leon
Yu, Xiang
Status Update

- 802.1AS-Rev/D7.0 WG ballot closed May 7th. Comment resolution this week.
- 802.1Xck/D2.0 initial Sponsor ballot closes May 31st, 2018.
- 802.1Q-2018 approved by standard board May 7th. Publication in June.
- 802.1AX-Rev/D0.3 draft available.
- 802.1AC-2016-Cor-1/D1.2 initial sponsor ballot closed Apr 20th: comment resolution at this meeting.
## 802.1 Maintenance Status

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<th>Count</th>
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<tr>
<td>Complete then Ballot</td>
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<td>Withdrawn</td>
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BALLOT RESOLUTION

• 802.1AC-2016-Cor-1/D1.2 Sponsor ballot
Existing Maintenance Items

• All existing open maintenance items are included here, except items which are in “balloting” state already, as those aren’t really interesting to track.

• Task force chairs and editors: have you decided in your groups not to change something which is covered by a Maintenance item? If so, you please ensure you bring this to the attention of the Maintenance Task Group.
# Items for review

<table>
<thead>
<tr>
<th>Number</th>
<th>Status</th>
<th>Submitted</th>
<th>Standard</th>
<th>Clause</th>
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<td>References to other standards in 802.1BA-2011</td>
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<td>2016-11-06</td>
<td>802.1AC-2016</td>
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<td>802.1AC: IEEE 802.17 has been withdrawn</td>
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<td>0177</td>
<td>Technical experts review</td>
<td>2017-01-26</td>
<td>802.1AB-2009</td>
<td>8.5.8.1</td>
<td>System Capability entry for Small Cells</td>
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<td>Technical experts review</td>
<td>2018-01-05</td>
<td>802.1Qbv</td>
<td>8.6.9.14</td>
<td>Qbv Tick granularity</td>
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<td>0202</td>
<td>Technical experts review</td>
<td>2018-01-08</td>
<td>802.1qbv</td>
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<td>IEEE Std</td>
<td>10.2.12</td>
<td>maintenance request resulting from comment #179 against 802.1AS-Rev/D6.0</td>
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Items for review – 802.1Q-2018 (1)

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<td>802.1Q</td>
<td>8.8</td>
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<td>802.1Q-2014</td>
<td>6.6.1, 6.7.1</td>
<td>Remove 6.6.1 and 6.7.1</td>
<td>802.1Q-Rev/D1.1</td>
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<td>0168</td>
<td>Balloting</td>
<td>2016-05-09</td>
<td>802.1Q-2014</td>
<td>17.5.3.2 and 17.5.3.3</td>
<td>802.1Q Port creation on components</td>
<td>802.1Q-Rev/D1.1</td>
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<td>0182</td>
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<td>2017-05-12</td>
<td>802.1Q-2014</td>
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<td>Incorrect references to IEEE 802.1Q-2014 in itself</td>
<td>802.1Q-Rev/D1.4</td>
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## Items for review – 802.1Q-2018 (2)

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<td>Clarification of outbound Ports as related to Dynamic VLAN Registration Entries and Ingress Filtering</td>
<td>802.1Q-Rev/D1.4</td>
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<td>0169</td>
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<td>802.1Q-2014</td>
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<td>802.1Q: D-component creation</td>
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<td>802.1Q-Rev/D1.4</td>
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<td>Balloting</td>
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<td>802.1Q: IEEE 802.17 has been withdrawn</td>
<td>802.1Q-Rev/D1.1</td>
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<td>Maintenance Request for 802.1Qbu-2016 MIB error</td>
<td>802.1Q-Rev/D1.2</td>
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<td>802.1 maintenance request: Clarification of points in time for scheduled traffic</td>
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<td>0195</td>
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<td>802.1Qch</td>
<td>Q.5.1</td>
<td>802.1Qch typo in Figure Q-3</td>
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NEW MAINTENANCE ITEMS
New maintenance items

- None
LIAISONS

- None.
JTC1 SC6 COMMENT RESPONSES
SC6 Ballot Comments

- There are no ballot comment responses for review
JTC1 SC6 STATUS
ISO/IEC JTC1 SC6 Status

• Karen Randall is performing this tracking for us.
• Volunteers also sought to assist with this task
ISO/IEC JTC1 SC6 Status

• PSDO agreement in place to allow progress of IEEE standards in ISO/IEC
• EC JTC1 standing committee is administering the process for IEEE 802 Standards
  – 802.1, 802.3, 802.11, 802.15, 802.22
• 802.1 has previously agreed to submit its standards to SC6
  – Most standards and their amendments
  – Motion required per standard
    • To forward Sponsor Ballot draft for comment
    • To submit approved standard for PSDO approval
  – Procedure for Corrigenda: one 90 day ballot and three questions.
802.1 Stds for SC6 approval (1/3)

- PSDO approved

- 802.1AE-2006 - FDIS passed Oct 2013, cmnts liaised Jan 2014
- 802.1X-2010 - FDIS passed Oct 2013, cmnts liaised Jan 2014
- 802.1AS-2011 (Time synch) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AB-2009 (LLDP) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AR-2009 (Secure device ID) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AX-2014 - FDIS passed Nov 2015; no comments
- 802-2014 - FDIS passed Nov 2015, cmnts liaised Jan 2016
- 802.1Xbx-2014 - FDIS passed Dec 2015; cmnts liaised 20 April
- 802.1Q-2014 - FDIS passed Jan 2016; cmnts liaised 20 April
- 802.1BA-2011 (AVB systems) - FDIS passed August 2016; no comments
- 802.1BR-2012 (Port extender) - FDIS passed August 2016; no comments
- 802.1AB-2016 (Stn & MAC Conn Disc) - FDIS passed 4/17; Cmt resp liaised Jul 2017
- 802.1Qbv-2015 (Enhs for Sch Traffic) - FDIS passed 4/17; Cmt resp liaised Jul 2017
- 802.1Qca-2015 (Path Control & Reserv) - FDIS passed 4/17; Cmt resp liaised Jul 2017
- 802.1Q-2014/Cor 1-2015 published Oct 2017
- 802.1Qbu-2016 (Frame Preemption) - FDIS passed Oct 2017; no cmts; pub Nov 2017
- 802.1Qbz-2016 (Enh to Bridging 802.11) - FDIS passed Oct 2017; no cmts; pub Nov 2017
802.1 Stds for SC6 approval (2/3)

- PSDO approved (cont’d)
  - 802.1Qcd (Application VLAN TLV)
  - 802.1AX-2014/Cor1-2017
  - 802.1AC-2016 (MAC Svc Def)
  - 802d-2017 (URN Namespace)

- FDIS passed Dec 2017 – no cmts; pub Jan 2018
- 90 day Cor FDIS passed Jul 2017; no cmts wait for publication (1/2018); Jodi check w ISO
- FDIS passed March 2018 – comment responses sent 16 April 2018
- FDIS ballot passed March 2018; no cmts wait for publication (1/2018); check with ISO