

Maintenance Task Group Meeting

July 26th, 2016
John Messenger

Maintenance

July 26, 2016 Agenda

- Patents and Guidelines
- Attendees
- Status
- New Maintenance items
 - none
- Existing Maintenance items
 - SC6
 - 802.1AB
 - 802.1AS
 - 802.1AX
 - 802.1AB
 - 802.1BA
 - 802.1Q-2014
 - 802.1AC
 - Security
- Comment resolution
 - 802.1AC-Rev/D3.2 – sponsor recirc
 - Contribution to RAC on 802.1AC LLC Encapsulation Ethertype
- Liaisons
 - none
- SC6 comment resolution
- 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:
 - The 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 the IEEE is not aware. Additionally, neither the 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, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.

- Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:
 - “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
 - “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
- The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group
- Early identification of holders of potential Essential Patent Claims is strongly encouraged
- No duty to perform a patent search

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>

IEEE-SA Standards Board Operations Manual

<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 or visit <http://standards.ieee.org/about/sasb/patcom/index.html>

This slide set is available at
<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt>



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:
 - Either speak up now 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
 - Cause an LOA to be submitted

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, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
 - Technical considerations remain 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.**

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association’s Antitrust and Competition Policy” for more details.

July 26th, 2016 Attendees

Thaler, Patricia

Baek, SeoYoung

Farkas, Janos

Holness, Marc

Rouyer, Jessy

Potts, Michael

Seaman, Michael

Kehrer, Stephan

Specht, Johannes

Bierschenk, Jens

Cheng, Weiying

Touve, Jeremy

Schewe, Frank

Finn, Norman

Moskowitz, Robert

Randall, Karen

Haddock, Stephen

Messenger, John

Garner, Geoffrey

Jeffree, Anthony

Althoff, Markus

McBeath, Tom

Pannell, Donald R

McIntosh, James

Boiger, Christian

Gunther, Craig

Parsons, Glenn

Status Update

- 802.1AC-Rev/D3.2 is in Sponsor recirc Ballot – comment resolution today
- 802.1AS-2011/Cor2-2015 was published on April 29th, 2016.
- 802.1AS-Rev/D4.0 has been prepared for this meeting.
 - No ballot since the May meeting.
- 802.1AX-2014-Cor1/D0.5 Sponsor ballot closed July 22nd.
 - 6 comments for resolution in TSN this week.
- 802.1Xck/D0.61 TG ballot closed on June 22nd – comment resolution this week
- 802.1BA-2011-Cor1 draft 0.0 was approved and was published July 22nd.
- 802.1AEcg/D1.4 WG ballot closed June 24th – no changes required

802.1 Maintenance Status

Category	Count
Approved	0
Ready for Ballot	1
Complete then Ballot	6
Complete then Errata	0
Errata	0
Failed	0
Incomplete	0
Rejected	22
Published	103
Received	0
Errata Sheet Published	0
Technical experts review	2
Balloting	15
Withdrawn	0

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.

SC6 items

- See status at the end of this presentation.
- Comment responses have been developed for
 - 802.1Qbv-2015 60-day ballot
 - 802.1Qca-2015 60-day ballot
 - 802.1AB-2016 60-day ballot
- Approval will be in closing plenary

802.1AB items

- none

802.1AS items

- 0061: 802.1AS variable names – ongoing

802.1AX-2014 items

- Items addressed in the corrigendum
 - 0163: Multiple aggregators and IPL failure – balloting in AX/Cor1
 - 0151: Bit numbering error in 802.1AX – balloting in AX/Cor1
 - 0146: Reintroduced errors in IEEE8023-LAG-MIB – balloting in AX/Cor1
- 802.1AX-2014-Cor1 will go to sponsor ballot next

802.1BA items

- 0122: Basic Support for Streams in Talkers – published in 802.1BA-2011/Cor1
 - Published – now closed.
- 0170: Dating of references to other standards – ready for ballot

802.1Q-2014 items

- 0141: Remove 6.6.1, 6.7.1 – waiting
- 0168: Port creation on components – complete then ballot
- 0169: D-Component creation – technical experts review

802.1AC items

- 0141: 802.1AC items to be removed from Q – waiting

802.1 Security items

- 0136: 802.1X incorporation of HKDF – long term waiting for Sec TG
- 0154: 802.1X MIB ieee8021XPaePortAuthenticatorEnable and ieee8021XPaePortSupplicantEnable – **balloting** – target 802.1Xck
- 0155: 802.1X MIB ieee8021XAuthPaeReAuthEnabled – **balloting** – target 802.1Xck
- 0157: 802.1X MIB typo in ieee8021XEapolStartFramesTx – **balloting** – target 802.1Xck
- 0162: Writeability of certain 802.1AE-2006 MIB variables – tech experts review – **balloting** in 802.1AEcg

NEW MAINTENANCE ITEMS

New maintenance items

- None

BALLOT RESOLUTION

- 802.1AC-Rev/D3.2

LIAISONS

- None

JTC1 SC6 COMMENT RESPONSES

SC6 Ballot Comments

- 802.1Qca-2015 60-day ballot
 - 1 negative comment from China because of 802.1X reference
- 802.1AB-2016 60-day ballot
 - 1 negative comment from China because of 802.1X reference
- 802.1Qbv-2015 60-day ballot
 - 1 negative comment from China because of 802.1X reference

JTC1 SC6 STATUS

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
 - Currently phasing in approvals
 - Motion required per standard
 - To forward Sponsor Ballot draft for comment
 - To submit approved standard for PSDO approval

802.1 Stds for SC6 approval (1/2)

– PSDO approved

- 802.1AE - FDIS passed Oct 2013, cmnts liaised Jan 2014
- 802.1X - FDIS passed Oct 2013, cmnts liaised Jan 2014
- 802.1AS (Time synch) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AB (LLDP) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AR (Secure device ID) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AEbn-2011 - ISO/IEC 8802-1AE:2015/Amd 1 (Apr 2015)
- 802.1AEbw-2013 - ISO/IEC 8802-1AE:2015/Amd 2 (Apr 2015)
- 802.1AX-2014 - FDIS passed Nov 2015; no comments
- 802 - FDIS passed Nov 2015, cmnts liaised Jan 2016
- 802.1Xbx - FDIS passed Dec 2015; cmnts liaised 20 April
- 802.1Q-2014 - FDIS passed Jan 2016; cmnts liaised 20 April

– For adoption - PSDO in process (FDIS)

- 802.1BA-2011 (AVB systems) - FDIS Ballot closes 17 August 2016
- 802.1BR-2012 (Port extender) - FDIS Ballot closes 17 August 2016

802.1 Stds for SC6 approval (2/2)

- For adoption - PSDO in process (60 day pre-ballot)
 - 802.1Qbv-2015 (Enhancements for Scheduled Traffic) - 60 day ballot passed w/comment; response to be reviewed and sent July 2016 meeting
 - 802.1AB-2016 (Station and Media Access Control Connectivity Discovery) - 60 day ballot passed w/comment; response to be reviewed and sent July 2016 meeting
 - 802.1Qca-2015 (Path Control & Reserv) - 60 day ballot passed w/comment; response to be reviewed and sent July 2016 meeting
- For Information
 - 802.1Qbu – D3 sent to SC6 Nov 2015 (no comments received)
 - 802.1Qbz – D2.3 sent to SC6 Dec 2015 (no comments received)
 - 802.1AC-Rev – D3 sent to SC6 Dec 2015 (no comments received)
 - 802.1Qcd, Application VLAN TLV – sent to SC6 26 May 2016
- Next to send
 - IEEE 802.1Q-2014/Cor 1-2015 – to be discussed; ISO inquired about this doc per Jodi H.
 - IEEE 802.1AEcg (EDE devices) – Sponsor Ballot expected from July meeting
 - IEEE 802Qci – Sponsor Ballot expected from July meeting
(Per stream filtering & policing)
 - IEEE 802d (URN Namespace) – Sponsor Ballot expected from July meeting
- To be submitted when ready (802.1 work in progress)