Maintenance Task Group Meeting

November 8th, 2016, v4

John Messenger

Maintenance
Nov 8th, 2016 Agenda

- Patents and Guidelines

- Attendees

- Status

- New Maintenance items
  - none

- Existing Maintenance items

- 802.1Q-Rev draft review and balloting plan

- Comment resolution
  - None

- Liaisons
  - ITU-T SG15 LS367 on OTNT

- 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.

◆IEEE

(Optional to be shown)

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**

15 March 2015

◈**IEEE**

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

IEEE

15 March 2015

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

◆IEEE

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.

◆IEEE

November 8th, 2016 Attendees

Bob Moskowitz
Christian Boiger
Craig Gunther
David Chen
Don Pannell
Eero Ryytty
Feng Chen
Frank Schewe
Geoff Garner
Ghung-Keng [Soar] Hung
Glenn Parsons
Hanyu Wei
Hao Chen
James McIntosh
Janos Farkas
Jens Bierschenk
Jessy Rouyer
Jing Huang

John Messenger
Jouni Korhonen
Karen Randall
Lars Ellegaard
Marc Holness
Mark Gravel
Michael Potts
Mick Seaman
Norman Finn
Pat Thaler
Paul Bottorff
Paul Unbehagen
Ralf Assmann
Rodney Cummings
Sato Atsushi
Seoyoung Baek
Shenghua Bao
Steinar Bjornstad
Stephan Kehrer

Stephen Haddock
Tongtong Wang
Tony Jeffree
Weiying Cheng
Xiang Yu

Status Update

- 802.1AC-Rev/D4.0 is at RevCom

- 802.1AS-Rev/D4.2 TG ballot closed October 22nd.

  - Comment resolution at this meeting.

- 802.1AX-2014-Cor1/D0.6 Sponsor ballot closed October 22nd.

  - No comments on ballot, 100% approval. Forward to RevCom.

- 802.1Xck/D0.8 TG ballot closed on October 23rd

  - Comment resolution at this meeting.

- 802.1AEcg/D1.4 Sponsor ballot closed October 23rd

  - 15 comments. Comment resolution at this meeting. Plan for conditional to RevCom.

- 802.1Q-Rev PAR approved

  - Plan to address open maintenance items and then go to WG ballot out of this meeting.

802.1 Maintenance Status

Category	Count
Approved	0
Ready for Ballot	0
Complete then Ballot	3
Complete then Errata	0
Errata	0
Failed	0
Incomplete	0
Rejected	22
Published	103
Received	4
Errata Sheet Published	0
Technical experts review	1
Balloting	18
Withdrawn	0

Existing Maintenence 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

Number	Status	Submitted	Standard	Clause	Subject	Draft with fix
0061	Complete then Ballot	2012-11-01	802.1AS-2011	10.2.6.1.1	local variables	802.1AS-Rev
0136	Technical experts review	2014-05-08	802.1X-2010	6.2.1	HKDF as a Key Derivation Function for 802.1X	
0141	Complete then Ballot	2014-07-17	802.1Q-2014	6.6.1, 6.7.1	Remove 6.6.1 and 6.7.1	
0168	Received	2016-05-09	802.1Q-2014	17.5.3.2 and 17.5.3.3	802.1Q Port creation on components	
0169	Received	2016-05-09	802.1Q-2014	17.5.2.1	802.1Q: D-component creation	
0170	Received	2016-05-16	802.1BA-2011	7.3.5	References to other standards in 802.1BA-2011	
0171	Complete then Ballot	2016-07-26	802.1X-2010	9	MI ordering in MKA Key Server Peer List	
0172	Received	2016-08-23	802.1Q-2014	8	Clarify cut-through	

NEW MAINTENANCE ITEMS

New maintenance items

- 0173, 0174: removal of 802.17 from 802.1Q and 802.1AC.

802.1Q-Rev

- Revision plan for 802.1Q is in http://ieee802.org/1/files/public/docs2016/q-messenger-revision-plan-0316-v5.pdf
- [802.1Q-Rev/D1.0](#) is available for review
- Plan to incorporate agreed maintenance items and go to letter ballot out of the November meeting.

BALLOT RESOLUTION

- None

LIAISONS

- ITU-T SG15 LS367 on OTNT
  http://www.ieee802.org/1/files/public/docs2016/liaison-SG15-LS367-OTNT-1016.zip

JTC1 SC6 COMMENT RESPONSES

SC6 Ballot Comments

- 802.1Qcd 60-day ballot
  - Review comments and proposed responses
  - [responses to China ballot comments](#)

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
  - **New** proposal for Corrigenda: one 90 day ballot and three questions. Is this acceptable? Try with one doc – Q/Cor1?

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
  - 802.1BA-2011 (AVB systems) - FDIS passed August 2016; no comments
  - 802.1BR-2012 (Port extender) - FDIS passed August 2016; no comments

- For adoption - PSDO in process (FDIS)

802.1 Stds for SC6 approval (2/2)

- For adoption - PSDO in process (60 day pre-ballot)
  - 802.1Qbv-2015 (Enhancements for Scheduled Traffic)   - response to 60 day ballot cmts sent Sep 2016
  - 802.1AB-2016 (Station and Media Access Control Connectivity Discovery)   - response to 60 day ballot cmts sent Sep 2016
  - 802.1Qca-2015 (Path Control & Reserv)   - response to 60 day ballot cmts sent Sep 2016
  - 802.1Qcd, Application VLAN TLV   - ballot passed with comments from China. Response to be generated/sent Nov 2016

- For Information
  - 802.1AC-Rev   - D3 sent to SC6 Dec 2015 (no comments recd)
  - 802.1CB (Frame Replication)   - D2.6 Sent Sep 2016
  - IEEE 802.1AEcg (EDE devices)   - D1.4 sent September 2016
  - IEEE 802d (URN Namespace)   - D1.0 sent September 2016
  - IEEE 802.1CB (Frame Repl & Elim for Reliability)   - D2.6 sent Sept 2016
  - IEEE 802Qci (Per stream filtering & policing)   - D2.0 sent for information Oct 2016

- Next to send in Nov 2016 – send for adoption/start ballots
  - IEEE 802.1Q-2014/Cor 1-2015   - new process for Cor: 90 day ballot and 3 qs
  - IEEE 802.1Qbu   - published August 2016
  - IEEE 802.1Qbz   - published October 2016
  - IEEE 802.1AC-Rev   - when Sponsor Ballot is done (EtherType)