

Maintenance Task Group Meeting

March 14th, 2017, v3
John Messenger

Maintenance

Mar 14th, 2017 Agenda

- Patents and Guidelines
- Attendees
- Status
- New Maintenance items
 - 0176: Incorrect references to 802.1AC in 802.1Q's Bridge MIB
 - 0177: 802.1AB: System Capability entry for Small Cells
 - 0178: 802.1Qbu-2016 MIB error
 - 0179: Clarification of outbound Ports as related to Dynamic VLAN Registration Entries and Ingress Filtering
- Existing Maintenance items
- 802.1Q-Rev status update and balloting plan
- Comment resolution
 - P802.1Q/D1.2
- 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.



15 March 2015

(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**

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.

March 14th, 2017 Attendees

Messenger, John

Matsushima, Hideki

Huang, Lu

Itaya, Satoko

Samii, Soheil

Heffernan, Patrick

Bottorff, Paul

Wang, Tongtong

Thaler, Patricia

Cummings, Rodney

Gravel, Mark

Seaman, Michael

Kehrer, Stephan

Zein, Nader

Rouyer, Jessy

Bjornstad, Steinar

Maruhashi, Kenichi

Gunther, Craig

Holness, Marc

Randall, Karen

Karl, Michael

Haddock, Stephen

Boiger, Christian

Parsons, Glenn

Cheng, Weiyang

Finn, Norman

Farkas, Janos

Specht, Johannes

Ellegaard, Lars

Weis, Brian

Schewe, Frank

Hung, Soar

Hamilton, Mark

Garner, Geoffrey

Pannell, Donald R

Fontaine, Mickael

Chen, Feng

Potts, Michael

Chen, David

Koto, Hajime

Oshawa, Tomoki

Stanton, Kevin

Bennett, Kathryn

Woods, Jordan

Gutierrez, Marina

Status Update

- 802.1AC-2016 was published on March 10th, 2017.
- 802.1AS-Rev/D4.5 TG ballot completed on March 1st; comment resolution in progress.
- 802.1AX-2014/Cor1-2017 was approved by the Standards Board on Feb 14th, 2017.
- 802.1Xck/D1.0 WG ballot closed Feb 15th. Comment resolution was performed and D1.1 is now available.
- 802.1AEcg-2017 was approved by the Standards Board on Feb 14th, 2017.
- 802.1Q-Rev/D1.2 has been out for WG recirculation ballot
 - Comment resolution at this meeting.
- 802.1AX-Rev – Draft 0.0 is available.

802.1 Maintenance Status

Category	Count
Approved	0
Ready for Ballot	2
Complete then Ballot	2
Complete then Errata	0
Errata	0
Failed	0
Incomplete	0
Rejected	23
Published	103
Received	1
Errata Sheet Published	0
Technical experts review	1
Balloting	23
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.

Items for review

Number	Status	Submitted	Standard	Clause	Subject	Draft with fix
0177	Received	2017-01-26	802.1AB-2009	8.5.8.1	System Capability entry for Small Cells	
0174	Complete then Ballot	2016-11-08	802.1AC-2016	2	802.1AC: IEEE 802.17 has been withdrawn	
0061	Complete then Ballot	2012-11-01	802.1AS-2011	10.2.6.1.1	local variables	802.1AS-Rev
0170	Ready for Ballot	2016-05-16	802.1BA-2011	7.3.5	References to other standards in 802.1BA-2011	
0176	Received	2017-01-17	802.1Q	17	Incorrect references to 802.1AC in 802.1Q's Bridge MIB	802.1Q-Rev/D1.2
0179	Received	2017-02-16	802.1Q-2014	8.8.5	Clarification of outbound Ports as related to Dynamic VLAN Registration Entries and Ingress Filtering	
0178	Received	2017-02-07	802.1Qbu-2016	17.7.22	Maintenance Request for 802.1Qbu-2016 MIB error	
0136	Technical experts review	2014-05-08	802.1X-2010	6.2.1	HKDF as a Key Derivation Function for 802.1X	
0175	Ready for Ballot	2016-12-12	IEEE 802.1Q	8.8	Record 802.1AEcg EDE use of -0B Reserved Address in 802.1Q	802.1Q-Rev/D1.2

NEW MAINTENANCE ITEMS

New maintenance items

- 0176: Incorrect references to 802.1AC in 802.1Q's Bridge MIB
- 0177: 802.1AB: System Capability entry for Small Cells
- 0178: 802.1Qbu-2016 MIB error
- 0179: Clarification of outbound Ports as related to Dynamic VLAN Registration Entries and Ingress Filtering

Items progressed 1/2

Mar 2017 Plenary Meeting

Location: Vancouver

Number	Status	Submitted	Standard	Clause	Subject	Draft
0125 Closed	Published	2013-09-09	802.1Q and 802.1AC	6.6, 6.7 and 12 (802.1AC)	Internal Sublayer Service	802.1Q-REV, 802.1AC-REV
0136 Closed	Rejected	2014-05-08	802.1X-2010	6.2.1	HKDF as a Key Derivation Function for 802.1X	
0146	Approved	2014-11-02	802.1AX-2014	C.6	Reintroduced errors in IEEE8023- LAG-MIB	802.1AX- 2014-Cor1
0151	Approved	2014-11-22	802.1AX-2008	5.4.2.1	Bit numbering reference error	802.1AX- 2014/Cor-1
0162	Approved	2015-05-12	802.1AE-2006		Writeability of certain 802.1AE-2006 MIB variables	802.1AEcg
0163	Approved	2015-05-18	802.1AX-2014		Multiple aggregators and IPL failure	802.1AX- 2014/Cor-1
0175	Balloting	2016-12-12	IEEE 802.1Q	8.8	Record 802.1AEcg EDE use of -0B Reserved Address in 802.1Q	802.1Q-Rev/D1.2
0176	Balloting	2017-01-17	802.1Q	17	Incorrect references to 802.1AC in 802.1Q's Bridge MIB	802.1Q-Rev/D1.2
0177	Technical experts review	2017-01-26	802.1AB-2009	8.5.8.1	System Capability entry for Small Cells	
0178	Balloting	2017-02-07	802.1Qbu-2016	17.7.22	Maintenance Request for 802.1Qbu-2016 MIB error	802.1Q-Rev/D1.2

Items progressed 2/2

Mar 2017 Plenary Meeting

Location: Vancouver

Number	Status	Submitted	Standard	Clause	Subject	Draft
0179	Complete then Ballot	2017-02-16	802.1Q-2014	8.8.5	Clarification of outbound Ports as related to Dynamic VLAN Registration Entries and Ingress Filtering	

802.1Q-Rev

- Revision plan for 802.1Q is in <http://ieee802.org/1/files/public/docs2017/q-messenger-revision-plan-0117-v1.pdf>
- 802.1Q-Rev/D1.2 WG recirculation ballot closed Monday
- Plan to do comment resolution this week and then request conditional approval to go to sponsor ballot this week following one more recirculation ballot.

BALLOT RESOLUTION

- 802.1Q-Rev/D1.2 comment resolution

LIAISONS

- None

JTC1 SC6 COMMENT RESPONSES

SC6 Ballot Comments

- 802.1Qbu
- 802.1Qbz

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
 - Motion required per standard
 - To forward Sponsor Ballot draft for comment
 - To submit approved standard for PSDO approval
 - **New** procedure for Corrigenda: one 90 day ballot and three questions.

802.1 Stds for SC6 approval (1/2)

– PSDO approved

- 802.1AE-2006
 - 802.1X-2010
 - 802.1AS-2011 (Time synch)
 - 802.1AB-2009 (LLDP)
 - 802.1AR-2009 (Secure device ID)
 - 802.1AEbn-2011
 - 802.1AEbw-2013
 - 802.1AX-2014
 - 802-2014
 - 802.1Xbx-2014
 - 802.1Q-2014
 - 802.1BA-2011 (AVB systems)
 - 802.1BR-2012 (Port extender)
- FDIS passed Oct 2013, cmnts liaised Jan 2014
 - FDIS passed Oct 2013, cmnts liaised Jan 2014
 - FDIS passed Dec 2013, cmnts liaised May 2014
 - FDIS passed Dec 2013, cmnts liaised May 2014
 - FDIS passed Dec 2013, cmnts liaised May 2014
 - ISO/IEC 8802-1AE:2015/Amd 1 (Apr 2015)
 - ISO/IEC 8802-1AE:2015/Amd 2 (Apr 2015)
 - FDIS passed Nov 2015; no comments
 - FDIS passed Nov 2015, cmnts liaised Jan 2016
 - FDIS passed Dec 2015; cmnts liaised 20 April
 - FDIS passed Jan 2016; cmnts liaised 20 April
 - FDIS passed August 2016; no comments
 - FDIS passed August 2016; no comments

802.1 Stds for SC6 approval (2/2)

- For adoption - PSDO in process (FDIS)
 - 802.1AB-2016 (Stn & Media Access Control & Connectivity Discovery) - FDIS ballot closes 11 April 2017
 - 802.1Qbv-2015 (Enhs for Sch Traffic) - response to 60 day ballot cmts sent Sep 2016
FDIS ballot closes 18 April 2017
 - 802.1Qca-2015 (Path Control & Reserv) - response to 60 day ballot cmts sent Sep 2016
FDIS ballot closes 18 April 2017
 - 802.1Qcd (Application VLAN TLV) - ballot passed with comments from China.
Response sent Nov 2016; FDIS closes 18 Apr 2017
 - 802.1Q-2014/Cor 1-2015 - new process: 90 day ballot; 16 March 2017
- For adoption - PSDO in process (60 day pre-ballot)
 - 802.1Qbu-2016 - 60-day pre ballot closed 7 Feb 2017; cmts TBD
 - 802.1Qbz-2016 - 60-day pre ballot closed 7 Feb 2017; cmts TBD
 - 802.1AC-2016 - D3 sent for info Dec 2015; Nov 2016 motion to
send doc for adoption; pub March 2017
- For Information
 - P802.1CB (Frame Repl & Elim for Reliability) - D2.6 sent Sept 2016
 - P802.1Qci (Per stream filtering & policing) - D2.0 sent for information Oct 2016
 - P802.1Qch (Cyclic Queuing & Fwding) - D2.0 sent for information Nov 2016
- Next to send – send for adoption/start ballots
 - 802.1AEcg-2017 (EDE devices) - D1.4 sent September 2016; approved Feb 2017;
send after publish (7 April 2017)
 - 802d-2017 (URN Namespace) - D1.0 sent September 2016; approved Feb 2017;
send after publish (11 April 2017)