802.1 Motions & supporting material

Closing IEEE 802 EC
March 2015, Berlin

Agenda (1)

- **PARs to Withdraw**
  - 5.022 - P802.1ASbt - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks Amendment: Enhancements and performance improvements.

- **PARs to NesCom**
  - 5.021 - 802c- Amendment: Local Media Access Control (MAC) Addressing, to NesCom
  - 5.024 - 802.1Qci- Amendment, Per-Stream Filtering and Policing, to NesCom
  - 5.025 - 802.1Qcj- Amendment, Automatic Attachment to Provider Backbone Bridging (PBB) services, to NesCom

- **Drafts to Sponsor ballot**
  - 5.026 -IEEE 802.1AS/Cor2 - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks - Corrigendum 2: Technical and Editorial Corrections
  - 5.027 - IEEE 802.1Qca - MAC Bridges and Virtual Bridged Local Area Networks Amendment: Path Control and Reservation
  - 5.028 - IEEE 802.1Qbv MAC Bridges and Virtual Bridged Local Area Networks Amendment: Scheduled Traffic , conditional
  - 5.029 - IEEE 802.1Qbz -MAC Bridges and Virtual Bridged Local Area Networks Amendment: Enhancements to Bridging of 802.11 Media, conditional

Agenda (2)

- Draft Standards to RevCom
  - none
- Study Group
  - 6.031 - Local Address, 1st extension
- Items to SC6 (ME)
  - 7.021 - IEEE Std 802.1AX-2014 to SC6 for ballot under PSDO
  - 7.022 -IEEE Std 802.1BA-2011 to SC6 for information under PSDO
  - 7.023 - IEEE Std 802.1BR-2012 to SC6 for information under PSDO
  - 7.024 - Responses to SC6 comments on FDIS ballots of 802.1AEbn and 802.1AEbw.
- Liaisons (II*)
  - 7.025 - 802.1 to MEF regarding P802.1AXrev and all active UNI
  - 7.026 - 802.1 to MEF regarding YANG
  - 7.027 - 802.1 to ITU-T SG15 regarding LS224 on PTP over LAG
  - 7.028 - 802.1 to IEEE 1904.3
  - 7.029 - 802.1 to CPRI cooperation, 1904.3, ITU-T SG15, ITU-R WP5, MEF regarding fronthaul

PARs to Withdraw

5.022 - .1ASbt PAR – supporting info

- **Timing and Synchronization for Time-Sensitive Applications**
  - Amendment: Enhancements and performance improvements.

- **PAR withdrawal circulated to EC as per P&P**
- **Rationale**
  - With the approval of the P802.1AS revision, the content of this amendment has been moved to be part of the revision project. As a result, a separate amendment is no longer needed.

5.022 - MOTION

- EC approves to withdraw the PAR for P802.1ASbt

- WG proposed: Messenger Second: Gray
- For__27__Against_0__Abstain_0___

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

PARs to NesCom

5.021 - 802c PAR – supporting info

- Amendment: Local Media Access Control (MAC) Addressing

- Local Address SG met at interim and plenary to discuss PAR

- PAR pre-circulated to EC as per P&P

- Comments from 802.3, 802.11, Paul Nikolich & Roger Marks were received and answered

- Updated PAR & CSD were posted

5.021 - MOTION

- EC approves the CSD for 802c and forwards the 802c PAR to NesCom.
  - CSD: http://ieee802.org/1/files/public/docs2015/lasg-mjt-802c-CSD-0315-v02.pdf
  - PAR: http://ieee802.org/1/files/public/docs2015/new-addresses-thaler-local-address-par-v02.pdf

- WG proposed: Haddock   Second: Thaler
- For__27__Against_0__Abstain__1__

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

5.024 - .1Qci PAR – supporting info

- Bridges and Virtual Bridged LANs Amendment: Per-Stream Filtering and Policing

- PAR pre-circulated to EC as per P&P
- Comments from 802.3 & Paul Nikolich were received and answered
- Updated PAR & CSD were posted

5.024 - Motion

- EC approves the CSD and
forwards the P802.1Qci PAR to NesCom.
  - CSD: http://www.ieee802.org/1/files/public/docs2015/new-nfinn-input-gates-csd-0115-v03.pdf
  - PAR: http://www.ieee802.org/1/files/public/docs2015/new-nfinn-input-gates-par-0115-v05.pdf
- WG proposed: Tony Jeffree   Second: Norm Finn
- For __30___Against__0___ Abstain __0___

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

5.025 -.1Qcj PAR – supporting info

- Bridges and Virtual Bridged LANs Amendment: Automatic Attachment to Provider Backbone Bridging (PBB) services

- PAR pre-circulated to EC as per P&P
- Comments from 802.3 & 802.11 were received and answered
- Updated PAR & CSD were posted

5.025 - Motion

- EC approves the CSD and
  forwards the P802.1Qcj PAR to NesCom.
  - CSD: http://ieee802.org/1/files/public/docs2015/new-autoattach-romascanu-csd-0315-v01.pptx
  - PAR: http://ieee802.org/1/files/public/docs2015/new-autoattach-romascanu-par-0315-v01.pdf

- WG proposed: Haddock Second: Romascanu
- For __27___Against__0___ Abstain __2___

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

Drafts to sponsor ballot

5.026 - P802.1AS/Cor2 ballot stats

- WG Ballot closed 11th January

- Results:
  - Category   Total   Percentage
  - Yes   25   100.00%
  - No   0   0.00%
  - Abstain   8   24.24%
  - No. of Voters   55   100.00%
  - Voters responding 33   60.00%

- No outstanding "No" votes or must be satisfied comments.

5.026 - MOTION

- 802.1 requests EC approval to forward 802.1AS/Cor2 D2.0 to Sponsor Ballot.

- Proposed: Messenger Second: Gray
- For_26___Against_0__Abstain_0___

- EC proposed: Parsons   Second:
- For____Against___Abstain____

Note there is no CSD as this is a corrigendum

5.027 - P802.1Qca ballot stats

- WG Ballot closed 2nd March

- Results:
  - Category   Total   Percentage
  - Yes   24   100.00%
  - No   0   0.00%
  - Abstain   10   29.41%
  - No. of Voters   55   100.00%
  - Voters responding 34   61.81%

- No outstanding "No" votes or must be satisfied comments.
  - Out of scope editorial comments deferred to sponsor ballot

5.027 - MOTION

- EC confirms the 5C:
  - http://www.ieee802.org/1/files/public/docs2012/new-p802-1Qca-draft-5c-0912-v03.pdf
- And approves to forward 802.1Qca D1.4 to Sponsor Ballot.

- WG Proposed: Haddock Second: Farkas
- For_27___Against_0__Abstain_1___

- EC proposed: Parsons   Second:
- For____Against___Abstain____

5.028 - P802.1Qbv ballot stats

- WG Ballot recirc D2.2 closed 6th March
- Results:
Category	Total	Percentage
Yes	20	90.91%
No	2	9.09%
Abstain	15	40.54%
No. of Voters	55	100.00%
Voters responding 37		67.27%
- Two outstanding "No" votes or must be satisfied comments.
  - Karl Weber (comments 6,7,8)
  - Marcel Kiessling (comments 31,32)
  - Commentors have not indicated agreement with resolutions yet
- Schedule
  - 2nd WG ballot recirc - initiate week Mar 23rd
  - Ballot resolution - May 19th interim
  - 3rd WG ballot recirc only if necessary

5.028 - Outstanding Comments

Karl Weber

CI 08	SC 8.6.9.2	P 12	L 23	# 7
Karl Weber		None entered		

Comment Type GR **Comment Status** A

State machine deals always with time but error cases resulting in timing problems are not handled

SuggestedRemedy

Gates should be all "on" as default state and if sync is lost

Response **Response Status** C

ACCEPT IN PRINCIPLE. See comment #3

CI 08	SC 8.6.6	P 7	L 34	# 8
Karl Weber		None entered		

Comment Type TR **Comment Status** R

Management communication .1AB, .1AS, .1Qca etc map in which TC?

SuggestedRemedy

We need gate operations for management services as they are modeled as specific traffic class

Response **Response Status** C

REJECT. The management traffic already should be using the existing traffic classes/queues.

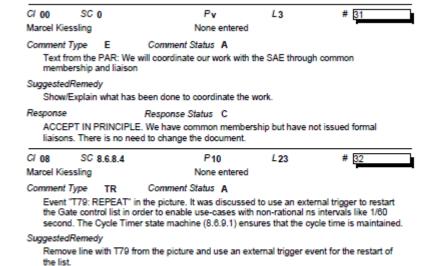| CI 08	SC 8.6.8.4	P 9	L 42	# 8
Karl Weber		None entered		

Comment Type TR **Comment Status** A

Specific TC gate may not ensure that the complete frame can be send

SuggestedRemedy

To ensure cut through a TC shall be allowed to complete after gate is turned off

Response **Response Status** C

ACCEPT IN PRINCIPLE. Change 8.6.8.4 to allow cases that can't be met without being able to predict the future, such as cut through and preemption. In those cases, optional per-traffic class counters are incremented if a transmission overruns the end of the gate.

Marcel Kiessling

CI 00	SC 0	P v	L 3	# 31
Marcel Kiessling		None entered		

Comment Type E **Comment Status** A

Text from the PAR: We will coordinate our work with the SAE through common membership and liaison

SuggestedRemedy

Show/Explain what has been done to coordinate the work.

Response **Response Status** C

ACCEPT IN PRINCIPLE. We have common membership but have not issued formal liaisons. There is no need to change the document.

CI 08	SC 8.6.8.4	P 10	L 23	# 32
Marcel Kiessling		None entered		

Comment Type TR **Comment Status** A

Event "T79: REPEAT" in the picture. It was discussed to use an external trigger to restart the Gate control list in order to enable use-cases with non-rational ns intervals like 1/60 second. The Cycle Timer state machine (8.6.9.1) ensures that the cycle time is maintained.

SuggestedRemedy

Remove line with T79 from the picture and use an external trigger event for the restart of the list.

Response **Response Status** C

ACCEPT.

5.028 - MOTION

- EC confirms the 5C:
  - http://www.ieee802.org/1/files/public/docs2012/Qbv-pannell-draft-5C-0112-v03.pdf
- And conditionally approves to forward 802.1Qbv Scheduled Traffic to Sponsor Ballot.

- WG Proposed: Messenger   Second: Jeffree
- For_33___Against_0__Abstain_0___

- EC proposed: Parsons   Second:
- For____Against___Abstain____

5.029 - P802.1Qbz ballot stats

- **WG Ballot D1.5 closed 5th January**
- **Results:**
  - Category   Total   Percentage
  - Yes   12   80%
  - No   3   20%
  - Abstain   18   54%
  - No. of Voters   55   100%
  - Voters responding   33   59%
- **Schedule**
  - 1st WG ballot recirc - initiate week Mar 23rd
  - Ballot resolution - May 19th interim
  - 2nd WG ballot recirc only if necessary

5.029 - Oustanding Comments

- Three outstanding "No" votes or must be satisfied comments.
  - Jessy Rouyer – no must be satisfied comments
  - Dan Romascanu – comment 40
  - Mick Seaman – comments 5,6,7,8,10,11,12,13,14,15
  - Mark Hamilton (802.11 member) – comments 20,21,22,23,24,27,28,29
  - Commentors have indicated they are satisfied with the comment resolutions

5.029 - MOTION

- EC confirms the 5C:
  - http://www.ieee802.org/1/files/public/docs2012/new-p802-1Qbz-draft-5c-0912.pdf

- And conditionally approves to forward 802.1Qbz Enhancements to Bridging of 802.11 Media to Sponsor Ballot.

- WG Proposed: Messenger   Second: Finn
- For_26___Against_0__Abstain_1___

- EC proposed: Parsons   Second:
- For____Against___Abstain____

24

Draft standards to RevCom

- None

Study Group

6.031 - 802.1 SG – local address

- 802.1 charter includes:
  - 802 LAN/MAN architecture
  - internetworking among 802 LANs, MANs and other wide area networks
  - 802 Security
  - 802 overall network management
  - protocol layers above the MAC & LLC layers.

- This study group will facilitate a detailed discussion amongst 802 working groups and will be able to make additional PAR proposal(s) for the July plenary.

6.031 - Motion

- EC approves to extend the 802.1 Local Address Study Group to
  - Develop a PAR and CSD for a recommendation on Local Address usage
  - Develop one or more PARs on protocols for local address acquisition

- WG proposed: Haddock   Second: Thaler
- For __29___Against__0___ Abstain __1___

- EC proposed: Parsons Second: Heile
- For____Against___Abstain____

JTC1 SC6 PSDO items

7.021 - MOTION

- EC approves to forward Std 802.1AX-2014 to ISO/IEC JTC1 SC6, for ballot under the PSDO agreement.

- WG proposed: Messenger Second: Gray
- For_27___Against_0__Abstain__0__

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

7.022 - MOTION

- EC approves to forward Std 802.1BA-2011 to ISO/IEC JTC1 SC6, for information under the PSDO agreement.

- WG proposed: Messenger Second: Gray
- For_27___Against_0__Abstain__0__

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

7.023 - MOTION

- EC approves to forward Std 802.1BR-2012 to ISO/IEC JTC1 SC6, for information under the PSDO agreement.

- WG proposed: Messenger Second: Gray
- For_26___Against_0__Abstain__0__

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

7.024 - MOTION

- EC approves to forward the comment responses contained on slides 8 and 9 of http://www.ieee802.org/1/files/public/docs2015/liaison-randall-SC6response-AEbnAEbw-0315-v01.pptx to JTC1 SC6, under the PSDO agreement. These are responses to the comments received on recent FDIS ballots of 802.1AEbn and 802.1AEbw.

- WG Proposed: Messenger Second: Gray
- For__25__Against__0_Abstain__1__
- Approved

- EC proposed: Parsons   Second:
- For____Against___Abstain____

7.024 - comments

The SC will consider a proposed response to China NB comment on 802.1AEbn-2011

Proposed response to China NB comment on 802.1AEbn-2011

- *IEEE thanks the China NB for its comment on the 802.1AE/FDAmd 1 ballot.*

- *However, this amendment is based on IEEE 802.1AE, MAC Security, and not IEEE 802.1X, Port Based Network Access Control as asserted in the China NB's comment.*

- *The purpose for this amendment is to specify and support optional use of an additional cipher suite: AES-256 for MAC Security using GCM (Galois Counter Mode).*

Mar 2015

The SC will consider a proposed response to China NB comment on 802.1AEbw-2013

Proposed response to China NB comment on 802.1AEbw-2013

- *IEEE thanks the China NB for its comment on the 802.1AE/FDAmd 1 ballot.*

- *However, this amendment is based on IEEE 802.1AE, MAC Security, and not IEEE 802.1X, Port Based Network Access Control as asserted in the China NB's comment.*

- *This amendment describes an optional mode for MACsec that defines a method to extend the packet number to support higher network rates while maintaining system functionality and operational efficiency.*

II*: Liaisons from 802.1

7.025 - MOTION

- 802.1 approves the liaison response to MEF on 802.1AX and all active UNI
  - http://www.ieee802.org/1/files/public/docs2015/liaison-response-MEF-L00226-AA-UNI-0315-v1.docx

- Proposed: Haddock   Second: Gray
- For__29__Against_0__Abstain__0__
- Approved

7.026 - MOTION

- 802.1 approves the liaison response to MEF on YANG

  – http://www.ieee802.org/1/files/public/docs2015/liaison-response-MEF-L00227-YANG-0315-v1.docx

- Proposed: Haddock   Second: Romascanu
- For__30__Against__0_Abstain_0___
- Approved

7.027 - MOTION

- 802.1 approves the liaison response to ITU-T SG15 liaison LS224 on PTP over LAG.

  - http://www.ieee802.org/1/files/public/docs2015/liaison-response-SG15-L224-PTPoLAG-0315.docx

- Proposed: Haddock   Second: Garner
- For__28__Against_0__Abstain__0__
- Approved

7.028 - MOTION

- 802.1 approves the liaison response to IEEE 1904.3.
  - http://www.ieee802.org/1/files/public/docs2015/liaison-response-ieee1904dot3-0315-v00.docx

- Proposed: Korhonen   Second: Gray
- For__25__Against_0__Abstain_0___
- Approved

7.029 - MOTION

- 802.1 approves the liaison response to CPRI, 1904.3, MEF, ITU-R WP5, ITU-T Q13/15 on fronthaul.
    - http://ieee802.org/1/files/public/docs2015/liaison-fronthaul-0315-v4.pdf

- Proposed: Messenger Second: Gray
- For__33__Against_0__Abstain__0__
- Approved