



# IEEE 802.3 Maintenance 10<sup>th</sup> November 2008, Dallas TX

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# Agenda

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- Report on September Maintenance Interim
- Maintenance Request Status
- 802.3ax (802.1AX)
- 802.3ay Maintenance #9 (Revision)
- 802.3bb
- 802.3bc
- 802.3.1
- Plans for the week
- IEEE 802.3 maintenance web site

# September 08 Report: Agenda

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- Conducted an interim meeting in Seoul in Sept
- Covered the following agenda
  - Review patent slide set
  - Review and approve agenda
  - Approve previous minutes
  - Update on .3ax / .3ay
  - Ad-hoc report on .3 MAC services
  - New maintenance requests
  - Move of 802.1AB Annex F to 802.3
  - Request from 802.1 on timestamp / sync
  - 802.3.1 discussion and PAR review
    - Impact / Coordination of .1AB Annex F to .3

# September 08 Report: Motions

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- 1197
  - Accepting proposed resolution (c) as shown in diab\_1\_0908.pdf to maintenance request 1197 and
  - Task the Maintenance Task Force Chair to prepare a draft Corrigendum PAR with scope to address maintenance request 1197 for consideration at the November plenary
  - Moved: Booth      Second: Barrass                      Y:14      N:0      A:0
- 802.1AB Annex F move to 802.3
  - 802.3 Maintenance Task Force adopt the process in diab\_1\_0908.pdf for dealing with the move of 802.1AB Annex F to 802.3
  - Present the process in diab\_1\_0908.pdf as a recommendation to 802.3 at the November plenary
  - Maintenance Task Force Chair to generate an 802.3bc PAR in time for the WG Chair to meet the 30-day deadline for 802.3 and EC consideration at the November plenary
  - Moved: Barrass      Second: Frazier                      Y:17      N:0      A:0



# September 08 Report: MAC Services

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- Background
  - 802.3-2005 described 2 MAC interfaces
    - MA\_DATA.Request/Indication. Clause 2 (ISO/IEC/802.1)
    - TransmitFrame()/ReceiveFrame(). Clause 4
  - 802.3as attempted to remedy the “longstanding discrepancy” between both definitions as a “Service to humanity”
    - State diagram added to reconcile MA\_DATA.Request with TransmitFrame()
    - MAC Control (31, 31B, 64) modified to use the Clause 2 “service interface primitives” instead of the TransmitFrame()/ReceiveFrame() Pascal functions
- Progress
  - Clarification to the MAC state diagram 4-6
    - Add an exit condition so that it is clear that the process remains in Generate Transmit Frame state until the TransmitFrame function completes
  - Minor corrections to MAC Control state diagrams
    - Figure 31B-1 (PAUSE transmit state diagram) needs to be modified so that Send Data Frame and Send Control Frame states are not exited until frame transmission has completed.
  - Figures 64-12, 64-13 to be modified so Send Frame & Transmit Frame states (respectively) are not exited until frame transmission completes
- Maintenance request 1196 in Ready for Ballot state

# September 08 Report: 1197, 1198

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- 1197
  - PAUSE timing for 10G and above allows for a maximum delay of 60 pause quanta
  - Original calculation was sufficient for initial 10G PMDs but doesn't work for newer additions
  - TF motioned for Corrigendum (P802.3bb) to allow 74 bit times for 10GBASE-T or 10GBASE-KR with FEC
- 1198
  - Comment on mixed use of capitalization in architectural figures throughout 802.3
  - TF recommended styles be added to .3 style guide
  - Comment in ready for ballot state

# September 08 Report: .1 Timestamp

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- Maintenance TF was unclear as to what exactly was required to accommodate the 802.1 request
- Topic discussed further in the joint session
- Suggestion to do a CFI for an 802.3 project to support AVB enhancements
  - Mr. Barrass volunteered to host and hosted a teleconference on the subject



# Maintenance Request Status

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- 19 Open Maintenance requests
- 1 new request since September
  - Related to C30 editorial instruction
- Current status of open requests:

Balloting	0
Ready for ballot	13
Awaiting clarification	0
To be categorised	6

## Notes:

All previous 'Balloting' requests included in 802.3ay draft  
Some 'Ready for Ballot' assigned to IEEE P802.3at

## New request

Request	Standard	Subclause	Subject
1199	IEEE Std 802.3-2008	30	Editorial

# IEEE 802.3ax and 802.3ay

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- Approved and ratified at September SASB!!!!
- IEEE 802.3ax (802.1AX) published 3<sup>rd</sup> November 2008
- IEEE 802.3ay (Revision #9) expected publication date of December 2008

# IEEE 802.3bb

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- IEEE 802.3bb will be the first corrigendum for 802.3-2008
- Addressed maintenance request 1197 for PAUSE timing for 10GBASE-T and 10GBASE-KR (with FEC)
- Draft PAR posted on the maintenance public website
  - To be reviewed this week in maintenance TF
  - Plan is to go for 802.3 approval on Thursday
  - If approved Mr. Diab to be the editor

# IEEE 802.3bc

- Project that moves Annex F from .1AB to .3
  - Annex F contains the TLVs and MIB for .3
  - Plan for MIB work to be part of 802.3.1 standard
- Draft PAR posted on maintenance website
  - To be reviewed this week in maintenance TF
  - Plan is to go for 802.3 approval on Thursday
- Draft for WG preview was pre-circulated
  - We have recruited a fantastic editor 😊
- Timeline
  - Plan is to go for conditional approval for WG ballot
  - 802.3at (and 802.3az) depend on 802.3bc
    - 802.3at is requesting a PAR modification to be contingent
    - Do not want to delay 802.3at

# IEEE 802.3.1

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- IEEE 802.3.1 is the new standard for management work related to 802.3
- Draft PAR posted on the maintenance public website
  - To be reviewed this week in maintenance TF
  - Plan is to go for 802.3 approval on Thursday
- Detailed update will be covered by Mr. Frazier

802.3.1

Mr. Frazier

Please refer to frazier\_1\_1108.pdf

# Plans for week

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- Meet Wednesday afternoon
  - Please note 1:00PM start
- Maintenance
  - Review new maintenance request
- IEEE 802.3bb, 802.3bc and 802.3.1
  - Review draft PARs

# Maintenance Web Information

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- IEEE 802.3 Maintenance web site:  
<http://www.ieee802.org/3/maint/index.html>
- IEEE 802.3 Maintenance request form is available at:  
[http://www.ieee802.org/3/private/maint/revision\\_request.html](http://www.ieee802.org/3/private/maint/revision_request.html)
- Access information  
Username: \*\*\*\*\*  
Password: \*\*\*\*\*  
(Password **is** case sensitive)
- IEEE 802.3 Maintenance reflector  
stds-802-3-maint@ieee.org