

IEEE 802.3 motions

Closing IEEE 802 EC

Friday 18th July 2014

MI*: IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group (1st extension)

IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group (1st extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet Study Group (1st extension)

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 70, N: 0, A: 1

ME: New PAR: IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet

IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet PAR and CSD responses

Title

Standard for Ethernet Amendment Physical Layer Specifications and Management Parameters for 100 Mb/s Operation over a Single Balanced Twisted Pair Cable (100BASE-T1)

Scope of project

The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 Standard for Ethernet to add a point-to-point full duplex 100 Mb/s Physical Layer (PHY) specifications and management parameters for operation over single twisted pair balanced cabling.

IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet PAR and CSD responses

Need

Adoption of Ethernet into the new market area of automotive has generated a need for a 100 Mb/s solution that will operate over single balanced twisted pair cabling on a lower-performance channel as well as other applications, such as carbon footprint sensitive applications, that will benefit by a reduction in the number of wire pairs and magnetics. IEEE Std 802.3 does not currently support 100 Mb/s operation over single balanced twisted pair cabling.

Draft PAR

http://ieee802.org/3/1TPCESG/public/P802_3bw_PAR_220514.pdf

Draft CSD responses

http://ieee802.org/3/1TPCESG/public/20140528_CSD_IEEE802_3bw.pdf

IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet PAR and CSD responses

Motion

The IEEE 802 LMSC Executive Committee approves the IEEE P802.3bw CSD responses and forwards the IEEE P802.3bw PAR to NesCom

M: Law S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group votes on approval of individual items:

Project Authorization Request:	Y: 66,	N: 0,	A: 0
Managed objects:	Y: 69,	N: 0,	A: 0
Broad Market Potential criterion:	Y: 61,	N: 0,	A: 1
Compatibility criterion:	Y: 67,	N: 0,	A: 1
Distinct Identity criterion:	Y: 69,	N: 0,	A: 1
Technical Feasibility criterion:	Y: 73,	N: 0,	A: 1
Economic Feasibility criterion:	Y: 70,	N: 0,	A: 0

MI*: IEEE 802.3 1 Twisted Pair
100 Mb/s Ethernet Study Group
(1st extension)

IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet Study Group (1st extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet Study Group (1st extension)

M: Law S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group vote

Y: 72, N: 0, A: 0

ME: Revision PAR: IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet

IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR responses

Title

Standard for Ethernet

Scope

This standard defines Ethernet local area, access and metropolitan area networks. Ethernet is specified at selected speeds of operation; and uses a common media access control (MAC) specification and management information base (MIB). The Carrier Sense Multiple Access with Collision Detection (CSMA/CD) MAC protocol specifies shared medium (half duplex) operation, as well as full duplex operation. Speed specific Media Independent Interfaces (MIIs) provide an architectural and optional implementation interface to selected Physical Layer entities (PHY). The Physical Layer encodes frames for transmission and decodes received frames with the modulation specified for the speed of operation, transmission medium and supported link length. Other specified capabilities include: control and management protocols, and the provision of power over selected twisted pair PHY types.

IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR responses

Need

IEEE Std 802.3-2012 will need to have a revision initiated by 2015 to allow consideration of future amendments per standards board policies. This Revision will include the merge of IEEE Std 802.3bk-2013, IEEE Std 802.3bj-2014 and accumulated maintenance changes. It is also expected to include IEEE Std 802.3bm-201x. Because there are multiple other amendments in the "pipeline", it will be desirable to complete this revision by 2015 to provide a solid base for sponsor balloting of other approved amendment projects. These schedule considerations require that new capabilities or functional enhancement will have to be deferred to a future amendment project to avoid delaying approved and current proposed new projects.

Draft PAR

http://ieee802.org/3/maint/public/P802_3_PAR_Draft_1_0714.pdf

IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR responses

Motion

The IEEE 802 LMSC Executive Committee forwards the IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR to NesCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 89, N: 0, A: 4

**MI: IEEE 802.3 25 Gb/s operation
over a single lane for server
interconnects Study Group**

IEEE 802.3 25 Gb/s operation over a single lane Study Group

Motion

The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 25 Gigabit/s Ethernet over a single lane for server interconnects Study Group within IEEE 802.3

M: Law, S: D'Ambrosia

Y: ??, N: ??, A: ??

148 CFI attendees, 59 interested in participating

Working Group vote:

Y: 61, N: 0, A: 5

**ME: Submission
of IEEE Std 802.3.1-2013 for
adoption by ISO/IEC JTC1 SC6**

Submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6

The IEEE 802 LMSC Executive Committee approves the submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6 under the PSDO agreement.

M: Law, S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group vote:

Y: 84, N: 0, A: 2

ME: Press release: IEEE 802.3 25Gb/s Ethernet Study Group formation

Press release: IEEE 802.3 25Gb/s Ethernet Study Group formation

The IEEE 802 LMSC Executive Committee supports the IEEE 802.3 25Gb/s Ethernet Study Group formation press release IEEE_802-3_25Gbs_Study_Group_Press_Release_17JULY14_D4.pdf, with editorial license granted to the Chair (or his appointed agent).

M: Law, S: D'Ambrosia

Y: ??, N: ??, A: ??

II*: Liaison letter to ITU-T SG15: Ethernet preamble and mapping into GFP-F

Liaison letter to ITU-T SG15: Ethernet preamble and mapping into GFP-F

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG15 in respect to Ethernet preamble and mapping into GFP-F can be found in the attached file 'IEEE_802d3_to_SG15_01_0714_draft'

Working Group vote:

Y: 82, N: 0, A: 3

II*: Liaison letter to ITU-T SG15:
New work item on Generic
Information Model for
management of transport
Network Elements (NE)

Liaison letter: New work item on Generic Information Model for management of transport Network Elements

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG15 in respect to new work item on Generic Information Model for management of transport Network Elements (NE) can be found in the attached file 'IEEE_802d3_to_SG15_02_0714_draft.pdf'

Working Group vote:

Y: 80, N: 0, A: 3