

# MI: Confirmation of IEEE 802.3 Vice Chair

# Confirmation of IEEE 802.3 Vice Chair

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## Motion

The IEEE 802 Executive Committee confirms Adam Healey as IEEE 802.3 Vice Chair

M: Law S: D'Ambrosia

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

Working Group vote:

Y: 118, N: 0, A: 0 unopposed

**ME: IEEE P802.3bj  
100 Gb/s Backplane and Copper  
Cable forward to Sponsor ballot**

# IEEE P802.3bj 100 Gb/s Backplane and Copper Cable Working Group ballot results

- 3rd Working Group recirculation ballot – draft D2.3
  - Ballot opened 11<sup>th</sup> October, closed 25<sup>th</sup> October 2013
  - 100% approval, no comments received

Comments received: 0

	Initial Draft D2.0			1 <sup>st</sup> Recirculation Draft D2.2			2 <sup>nd</sup> Recirculation Draft D2.2			3 <sup>rd</sup> Recirculation Draft D2.3			Req %
	#	%	Status	#	%	Status	#	%	Status	#	%	Status	
Abstain	32	24	PASS	29	21	PASS	28	20	PASS	28	20	PASS	< 30
Disapprove with comment	19	-	-	15	-	-	10	-	-	0	-	-	-
Disapprove w/o comment	0	-	-	0	-	-	0	-	-	0	-	-	-
Approve	82	81	PASS	91	86	PASS	100	91	PASS	113	100	PASS	≥ 75
Ballots returned	133	54	PASS	135	55	PASS	138	56	PASS	141	58	PASS	≥ 50
Voters	245	-	-	245	-	-	245	-	-	245	-	-	-

# IEEE P802.3bj 100 Gb/s Backplane and Copper Cable forward to Sponsor ballot

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## Motion

The IEEE 802 Executive Committee grants approval to submit IEEE P802.3bj 100 Gb/s Backplane and Copper Cable to Sponsor ballot

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 102, N: 0, A: 2

# ME: New PAR: IEEE P802.3br Interspersing Express Traffic

# IEEE P802.3br PAR and Five Criteria

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## Title

Standard for Ethernet Amendment Specification and Management Parameters for Interspersing Express Traffic

## Scope of project

The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 to add support for interspersing express traffic over a single physical link.

# IEEE P802.3br PAR and Five Criteria

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## Need

- \* Adoption of Ethernet into new market areas such as automotive, industrial automation, transportation (aircraft, railway and heavy trucks) has generated a need to converge low latency and best effort traffic streams.
- \* Currently this functionality requires multiple networks with parallel links.
- \* IEEE Std 802.3 currently does not have support for interspersed express traffic.
- \* This project will allow the needs of IEEE P802.1Qbu to be met with a single physical link between bridges

## Draft PAR

[http://www.ieee802.org/3/DMLT/PAR\\_5C\\_Objectives/8023-DMLT-SG-1311-Winkel-PAR-2013-11-13r3.4.pdf](http://www.ieee802.org/3/DMLT/PAR_5C_Objectives/8023-DMLT-SG-1311-Winkel-PAR-2013-11-13r3.4.pdf)

## Draft 5C

[http://www.ieee802.org/3/DMLT/PAR\\_5C\\_Objectives/8023-DMLT-SG-1311-Winkel-5C-v2.3.pdf](http://www.ieee802.org/3/DMLT/PAR_5C_Objectives/8023-DMLT-SG-1311-Winkel-5C-v2.3.pdf)



# IEEE P802.3br PAR and Five Criteria

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## Motion

The IEEE 802 Executive Committee approves the IEEE P802.3br Five Criteria and forwards the IEEE P802.3br PAR to NesCom

M: Law S: D'Ambrosia

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

Working Group votes on approval of individual items:

Project Authorization Request:	Y: 59,	N: 3,	A: 18
Broad Market Potential criterion:	Y: 57,	N: 4,	A: 23
Compatibility criterion:	Y: 57,	N: 4,	A: 19
Distinct Identity criterion:	Y: 64,	N: 0,	A: 15
Technical Feasibility criterion:	Y: 59,	N: 0,	A: 20
Economic Feasibility criterion:	Y: 61,	N: 0,	A: 20

**ME: New PAR:  
IEEE P802.3bt DTE Power  
via MDI over 4-Pair**

# IEEE P802.3bt PAR and Five Criteria

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## Title

Standard for Ethernet Amendment: Physical Layer and Management Parameters for DTE Power via MDI over 4-Pair

## Scope of project

The scope of this project is to augment the capabilities of the IEEE Std 802.3 standard with 4-pair power and associated power management information. The project will augment the methodology for the provision of power via balanced cabling to connected Data Terminal Equipment with 802.3 interfaces. Optional augmented power limit will be made available for certain structured cabling systems. Compatibility with existing equipment will be maintained.

# IEEE P802.3bt PAR and Five Criteria

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## Need

Since the publication of IEEE Std 802.3at-2009, significant market demand has emerged for more efficient power delivery and for applications with power levels greater than those defined in the standard. Example applications include thin clients, multi-radio wireless access points, pan / tilt / zoom cameras, digital signage, building automation, industrial sensors / actuators etc.

## Draft PAR

<http://www.ieee802.org/3/4PPOE/P802.3bt.pdf>

## Draft 5C

<http://www.ieee802.org/3/4PPOE/5Criteria.pdf>

# IEEE P802.3bt PAR and Five Criteria

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## Motion

The IEEE 802 Executive Committee approves the IEEE P802.3bt Five Criteria and forwards the IEEE P802.3bt PAR to NesCom

M: Law S: D'Ambrosia

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

Working Group votes on approval of individual items:

Project Authorization Request:	Y: 75,	N: 0,	A: 3
Broad Market Potential criterion:	Y: 76,	N: 0,	A: 2
Compatibility criterion:	Y: 76,	N: 0,	A: 2
Distinct Identity criterion:	Y: 71,	N: 0,	A: 2
Technical Feasibility criterion:	Y: 75,	N: 0,	A: 2
Economic Feasibility criterion:	Y: 76,	N: 0,	A: 2

# ME: New PAR: IEEE P802.3bu 1-Pair Power over Data Lines (PoDL)

# IEEE P802.3bu PAR and Five Criteria

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## Title

Standard for Ethernet Amendment: Physical Layer and Management Parameters for 1-Pair Power over Data Lines

## Scope of project

Define methodology for the provision of power via a single twisted pair to connected Data Terminal Equipment (DTE) with IEEE 802.3 interfaces

# IEEE P802.3bu PAR and Five Criteria

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## Need

Single twisted pair Ethernet links are in development (e.g. IEEE P802.3bp) and some applications (e.g., automotive sensors, industrial devices) require power delivery over the link. A new standard is required to provide power over single twisted pair links where IEEE Std 802.3 Clause 33 Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI) cannot be used.

## Draft PAR

[http://www.ieee802.org/3/1PPODL/Draft\\_P802\\_3bu\\_PAR\\_Detail.pdf](http://www.ieee802.org/3/1PPODL/Draft_P802_3bu_PAR_Detail.pdf)

## Draft 5C

[http://www.ieee802.org/3/1PPODL/Draft\\_5C\\_PoDL.pdf](http://www.ieee802.org/3/1PPODL/Draft_5C_PoDL.pdf)



# IEEE P802.3bu PAR and Five Criteria

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## Motion

The IEEE 802 Executive Committee approves the IEEE P802.3bu Five Criteria and forwards the IEEE P802.3bu PAR to NesCom

M: Law S: D'Ambrosia

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

Working Group votes on approval of individual items:

Project Authorization Request:	Y: 73,	N: 0,	A: 1
Broad Market Potential criterion:	Y: 68,	N: 0,	A: 0
Compatibility criterion:	Y: 69,	N: 0,	A: 0
Distinct Identity criterion:	Y: 72,	N: 0,	A: 0
Technical Feasibility criterion:	Y: 72,	N: 0,	A: 0
Economic Feasibility criterion:	Y: 75,	N: 0,	A: 1

**ME: IEEE 802.3 Next  
Generation Ethernet Passive  
Optical Network (NG-EPON)  
Industry Connections Activity  
Initiation Document (ICAID)**

# IEEE 802.3 Next Generation Ethernet Passive Optical Network (NG-EPON) ICAID

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## Motion

The IEEE 802 Executive Committee endorses the IEEE 802.3 Next Generation Ethernet Passive Optical Network (NG-EPON) ICAID found in NGEPON\_icaid\_form\_v1\_94.pdf

M: Law S: D'Ambrosia

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

Working Group vote:

Y: 64, N: 0, A: 1

# MI: IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Ethernet Five Criteria update

# IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Ethernet Five Criteria update

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## Rule

The WG shall periodically review and confirm that the response to the five criteria, refer to the "Criteria for standards development" subclause in the IEEE 802 LMSC Operations Manual [5], used to approve its PAR(s) still reflect the state of the project(s) to which they relate. Should a WG need to modify the responses to the five criteria during a projects' development in order to accurately reflect the state of the project, the modified responses shall be submitted to the Sponsor for approval.

Clause 5 'WG responsibilities' of the LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures (P&P)

## Draft 5C

[http://www.ieee802.org/3/bm/proposed\\_5C\\_0913\\_optx.pdf](http://www.ieee802.org/3/bm/proposed_5C_0913_optx.pdf)

# IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Ethernet Five Criteria update

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## Motion

The IEEE 802 Executive Committee approves the updates to the IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Ethernet Five Criteria document

M: Law S: D'Ambrosia

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

Working Group vote:

Y: 86, N: 0, A: 1

# MI: Distinguished Minimum Latency Traffic Study Group (3rd extension)

# Distinguished Minimum Latency Traffic Study Group (3rd extension)

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## Motion

The IEEE 802 Executive Committee grants an extension to the IEEE 802.3 Distinguished Minimum Latency Traffic Study Group

M: Law S: D'Ambrosia

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

Working Group vote:

Y: 75, N: 0, A: 9



# MI: 400 Gb/s Ethernet Study Group (2nd extension)

# 400 Gb/s Ethernet Study Group (2nd extension)

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## Motion

The IEEE 802 Executive Committee grants an extension to the IEEE 802.3 400 Gb/s Ethernet Study Group (2nd extension)

M: Law S: D'Ambrosia

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

Working Group vote:

Y: 94, N: 0, A: 0

# MI: 4-Pair Power over Ethernet (PoE) Study Group (2nd extension)

# 4-Pair Power over Ethernet (PoE) Study Group (2nd extension)

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## Motion

The IEEE 802 Executive Committee grants an extension to the IEEE 802.3 4-Pair Power over Ethernet (PoE) Study Group

M: Law S: D'Ambrosia

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

Working Group vote:

Y: 78, N: 0, A: 0

# MI\*: 1-Pair Power over Data Lines (PoDL) Study Group (1st extension)

# 1-Pair Power over Data Lines (PoDL) Study Group (1st extension)

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## Motion

The IEEE 802 Executive Committee grants an extension to the IEEE 802.3 1-Pair Power over Data Lines (PoDL) Study Group

M: Law S: D'Ambrosia

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

Working Group vote:

Y: 78, N: 0, A: 0

**II\* : Liaison reply to ISO/IEC  
JTC1/SC 25 WG3: Information  
from IEC/SC 46C relevant to  
IEEE P802.3bp**

# Liaison letter to ISO/IEC JTC1 SC25 WG3

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The liaison reply to ISO/IEC JTC1/SC 25 WG3: Information from IEC/SC 46C relevant to IEEE P802.3bp can be found in IEEE\_802d3\_to\_ISOIEC\_JTC1\_SC25\_WG3\_1113.pdf

Working Group vote:

Y: 89, N: 0, A: 0