

# Motions on 802.3bq Draft

IEEE 802.3: 40GBASE-T Task Force

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Editor, IEEE P802.3bq

# Motion #3

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- Move to: adopt Clauses 55.6, 55.9, 55.10, and 55.11 as baseline text for Clause 98 with editorial license to modify to reference 40G as necessary, as detailed on slide 8 of zimmerman\_3bq\_02\_0714.pdf
- M:G. Zimmerman
- S: C. Diminico
- Technical (75%)
- Y: 15      N: 0      A: 1
- MOTION PASSES

# Motion #4

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- Move 802.3bq support Low Power Idle operation as in the Clause 55 base for EEE, scaling timing as with the 40Gbps bit timing (as per slide 10 of zimmerman\_3bq\_02\_0714.pdf)
- M: G. Zimmerman
- S: T. Souvignier
- Technical (75%)
- Y: 15      N:0    A: 1
- MOTION PASSES

# Motion #5

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- Move adopt clause 55.4 PMA sublayer as 98.4, with license to the editor to implement necessary modifications to replace PCS/PMA interface with FEC/PMA interface (as per slide 11 of zimmerman\_3bq\_02\_0714.pdf)
- M: G. Zimmerman
- S: V. Maguire
- Technical (75%)
- Y: 16      N: 0    A:    1
- **MOTION PASSES**

# Motion #6

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- Move adopt clause 55.5 PMA electrical specifications as 98.5, including test modes and fixtures as baseline specifications scaling 98.5.2 test mode 4 frequencies by 4X, and output droop times from 10ns to 2.5ns, including modifications to PMA electrical tests, as per slides 12-14 of zimmerman\_3bq\_02\_0714.pdf, with the transmit power on slide 13 modified to be -1.0 to +1.0 dBm.
- M:G. Zimmerman
- S: P. Cibula
- Technical (75%)
- Y:17      N: 0      A: 1
- MOTION PASSES

# Motion #7

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- Move that the IEEE P802.3bq Task Force adopt proposal in diminico\_3bq\_01a\_0714.pdf slide 4 and note below as baseline text for IEEE P802.3bq as draft standard and give editorial license to implement.
  - NOTE – ELFEXT in 802.3an is changed to ACRF in 98.7.2.4.4, 98.7.2.4.5 , 98.7.2.4.6 and 98.7.3.2.1 to align with TIA and ISO cabling standards definitions.
- M: Chris DiMinico
- S: Alan Flatman
- Y:18 N:0 A:1
- Technical (75%)
- MOTION PASSES

# Motion # 8

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- Adopt the equations given in ISO class I on page 4 of larsen\_3bq\_02\_0714.pdf as the link segment IL requirement
- Moved by Wayne Larsen
- Seconded by: Theo Brillhart
- Y: 15 N: 0 A: 3
- Technical (75%)
- MOTION PASSES

# Motion # 9

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- Adopt the return loss requirements from ISO class I on page 7 of larsen\_3bq\_02\_0714.pdf, as the link segment return loss requirements.
- Moved by Wayne Larsen
- Seconded by: Alan Flatman
- Technical (75%)
- Y: 18 N: 0 A: 1
- MOTION PASSES



# Motion # 10

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- Adopt the equations in the ISO and TIA standards for PSANEXT, from 1 MHz to 2000 MHz on page 10 of larsen\_3bq\_02\_0714.pdf (Editor to have license to choose the anchor frequency).
- Moved by Wayne Larsen
- Seconded by: Alan Flatman
- Technical (75%)
- Y: 18 N: 0 A: 1
- **MOTION PASSES**

# Motion # 11

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- Adopt the equations in the ISO and TIA standards for PSAACRF, from 1 MHz to 2000 MHz on page 12 of larsen\_3bq\_02\_0714.pdf (Editor to have license to choose the anchor frequency).
- Moved by Wayne Larsen
- Seconded by: Alan Flatman
- Technical (75%)
- Y: 18 N: 0 A: 1
- **MOTION PASSES**

# Motion #12

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- Adopt proposal #1 on page 7 of Graba\_3bq\_01a\_0714.pdf to increase Refresh length from 4 to 6 LDPC frames.
- Moved by Jim Graba
- Seconded by: Will Bliss
- Technical(75%)
- Y: 15 N: 0 A: 3
- MOTION PASSES

# Motion #13

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- Adopt proposal #2 on page 7 of Graba\_3bq\_01a\_0714.pdf to decrease the length of Sleep from 9 to 6 LDPC frames.
- Moved by Jim Graba
- Seconded by: George Zimmerman
- Technical(75%)
- Y: 14 N: 0 A: 4
- **MOTION PASSES**

# Motion #14

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- Adopt PBO schedule on slide 9 of zimmerman\_3bq\_03\_0714.pdf as power backoff schedule, in subclause 98.4.3.1 to replace Table 55-11 as source.
- M:G. Zimmerman
- S: W. Larsen
- Technical (75%)
- Y: 18      N: 0    A: 0
- MOTION PASSES

# Motion #15

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- Adopt -154 dBm/Hz as the noise level in clause 98.5.4.4 Alien Crosstalk Noise Rejection.
- M:G. Zimmerman
- S: P. Vanderlaan
- Technical (75%)
- Y: 18      N: 0    A: 0
- MOTION PASSES

# Motion #16

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- For incorporation into clause 98: Adopt that the subclause 55.3.4 PMA training side-stream scrambler polynomials will be amended by: If the device auto-negotiated to reinitialize the values of its scrambler state every 16384 symbol periods, the device will stop re-initialization at the start of the state: PBO exchange.
- M: Tom Souvignier
- S: George Zimmerman
- Y: 18      N: 0    A: 1
- Technical (>75%)
- MOTION PASSES

# Motion #17

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- Motions 8 and 9 shall be implemented from 1 MHz to 2000 MHz and shall include the frequency range from 1600 MHz to 2000 MHz, without the ffs designation found in the ISO TR.
- M: Wayne Larsen
- S: Alan Flatman
- Y: 12      N: 0    A: 1
- Technical (75%)
- MOTION PASSES



# Motion #18

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- Instruct the editor to prepare P802.3bq D0.9 for preview by the Task Force prior to August 21, 2014
- M: Wayne Larsen
- S: Paul Vanderlaan
- Technical (>75%)
- Y: 14    N: 0    A: 0
- **MOTION PASSES**

# Motion #19

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- Adopt the timeline on page 1 of chalupsky\_01\_0714.pdf, as the IEEE P802.3bq project timeline, with license to the Chair to adjust the end date to align with IEEE SA committee calendars.
- M: George Zimmerman
- S: Pete Cibula
- Technical (>75%)
- Y: 14      N: 0    A: 0
- **MOTION PASSES**

# Motion #20

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- Move that the P802.3bq Chair submit the following motion to the IEEE 802.3 Working Group:
  - Move that IEEE 802.3 approve the text in IEEE\_802d3\_to\_TIATR42\_0714.pdf with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to TIA TR42.
- M: Wayne Larsen
- S: George Zimmerman
- Y: 13      N: 0      A: 0
- Technical (75%)
- MOTION PASSES