

# 802.3bq Editors Report

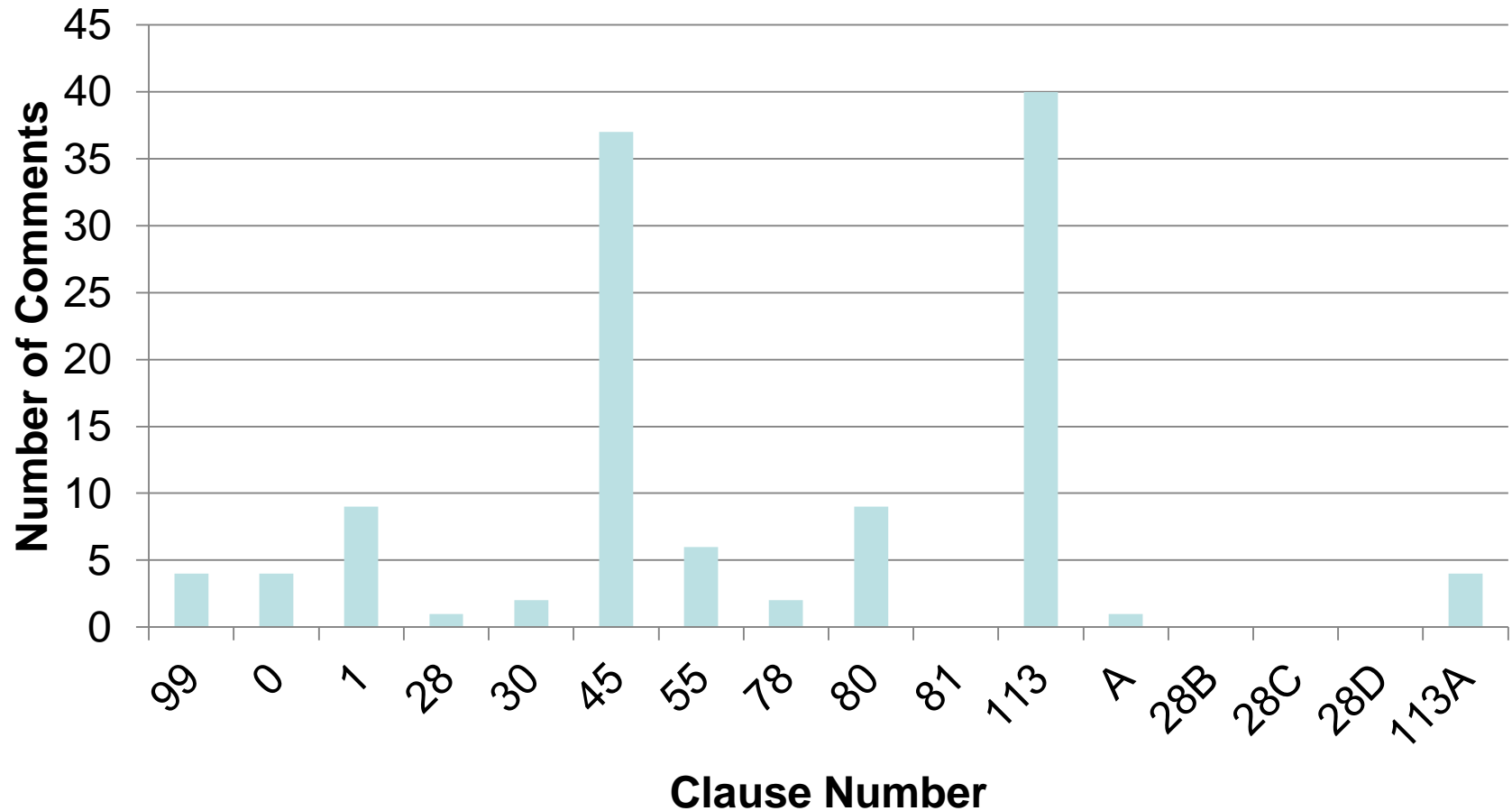
George Zimmerman  
CME Consulting  
Chief Editor

# Status

- Draft 2.1 Working Group Ballot recirculation
  - opened, 16 June 2015, closed 30 June 2015

	D2p1	D2p1 %	D2p0	D2p0%	Required
<b>Voters</b>	274		274		
<b>Return</b>	155	56.6%	151	55.1%	>50%
<b>Approve</b>	99	83.2%	93	82.3%	>75%
<b>Disapprove w/comment</b>	20	16.8%	20	17.7%	<25%
<b>Disapprove w/o comment</b>	0	0.0%	1	0.9%	
<b>Abstain</b>	36	23.2%	37	24.5%	<30%
<b>Comments</b>	119		489		

# Distribution of Comments



# Editorial Team

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- George Zimmerman, Chief Editor
- Chris Diminico, Editor
- Valerie Maguire, Editor
- Jim Graba, Editor
- Curtis Donahue, Editor

# Editorial Responsibilities

<b>Clause</b>	<b>Amendments</b>	<b>Owner</b>
<b>1</b>	New normative refs, defns, abbreviations	Val
<b>28</b>	Auto-Negotiation support for new PHY	Val
	Annex 28b, 28C, 28D	Val
<b>30</b>	Add new management objects/attributes	Val
<b>45</b>	Add new registers/bits	Val, George
<b>78</b>	Add new Energy Efficient PHYs	Jim
<b>80</b>	40 Gb/s overview	Val, George
<b>81</b>	XLGMII	Val, George
<b>82</b>	EEE signaling and state machines	George
<b>113</b>	40GBASE-T 113.1-.6, 9, Annex 113A	George
<b>113.7</b>	113.7 channel	Chris
<b>113.8</b>	113.8 MDI	Chris

# Summary by Topic

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- 63 “EZ” Comments
- 49 Remaining Comments
  - 1 25G - related to our missing PAR.
  - 5 10G Maintenance – related to Maintenance request 1266
  - 8 Architecture related (tables relating sublayers)
  - 9 Cabling related
  - 9 Editorial – Not EZ - more complex editorial issues with disagreeing comments
  - 3 Management (MultiGBASE-T) - related
  - 9 PCS-related that are more than EZ
  - 5 PMA/PMD-related (40GBASE-T only has a PMA)
  - 5 Clamp-test (Annex 113A) - related
  - 2 Shortreach - related to short reach mode or channel (but not pure cabling specs)
- Several big topics from last time received 0 new comments:
  - Autoneg, EEE, MDI, Training, and non-EZ Management bits (other than MultiGBASE-T nomenclature,)
- +3 Late comments received (1 EEE, 1 Training, 1 MultiGBASE-T)

# Comment Resolution Agenda

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- Approve EZ Bucket
- Resolve in groups by Topic
  - Cabling / Cablingrefs
  - Shortreach
  - PMA/PMD
  - MultiGBASE-T
  - PMA
  - PCS
  - 10G Maintenance
  - Architecture
  - Editorial – non EZ
  - 25G
- Late comments

# EZ Bucket

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- As stated on the reflector:
  - Comments marked with the EZ topic are expected to be approved in a single motion
  - Please review [http://www.ieee802.org/3/bq/comments/p802.3bq\\_2.1\\_EZ\\_CommentID\\_proposed\\_responses.pdf](http://www.ieee802.org/3/bq/comments/p802.3bq_2.1_EZ_CommentID_proposed_responses.pdf)
  - At this time, if you wish to remove a comment from the EZ Topics, please speak up
  - From reflector, comment 99 is removed



# Comments Excluded from EZ Bucket

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- **Motion #3:** Approve the proposed resolution of all EZ comments, marked with the EZ Topic in [http://www.ieee802.org/3/bq/comments/p802.3bq\\_2.1\\_EZ\\_CommentID\\_proposed\\_responses.pdf](http://www.ieee802.org/3/bq/comments/p802.3bq_2.1_EZ_CommentID_proposed_responses.pdf) **excepting comments 99, xxxx.**
- **M: George Zimmerman      S: Jon Lewis**
- **MOTION PASSES/FAILS (Technical > 75%)**
- **Y:   N:      A:**

# Late comments (1)

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**CI 113**      **SC 113.3.4**      **P 104**      **L 15**      # **1**

Peter, Wu      Marvell Semiconductor

*Comment Type*      **T**      *Comment Status*      **D**      **LATE**

I agree with Brett on this and we should remove optional periodic training sequence. See Comment #93 on D2.0

*SuggestedRemedy*

See comment #93 on D2.0

*Proposed Response*      *Response Status*      **W**

PROPOSED ACCEPT IN PRINCIPLE.  
Discuss with presentation

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**CI 113**      **SC 113.3.6.2.5**      **P 114**      **L 7**      # **2**

George, Zimmerman      CME Consulting, Inc

*Comment Type*      **T**      *Comment Status*      **D**      **LATE**

tx\_ldpc\_frame\_cnt and rx\_ldpc\_frame\_cnt should be reset every 4 quiet reset periods because that is the period of the 4 channel cycle. This appears to have been changed to 6 by mistake in the lengthening of other periods

*SuggestedRemedy*

change "lpi\_qr\_time x 6." To "lpi\_qr\_time x 4." On lines 7 & 12

*Proposed Response*      *Response Status*      **W**

PROPOSED ACCEPT.

# Late comments (2)

CI 28      SC 28.5.3      P 21      L 34      # 3

George, Zimmerman      CME Consulting, Inc

*Comment Type*      **T**      *Comment Status*      **D**      *LATE*

Alignment with 802.3bz - Use of the \*40G and \*10G options is replaced with \*MG in 802.3bz because all the MultiGBASE-T family PHYs require the same thing in these PICS, an extension of the link\_fail\_inhibit timer beyond what 1000BASE-T and lower speeds use.

## *Suggested Remedy*

Delete "insert row" editing instruction and text (lines 30-37) and replace with editing instruction: "Change row for \*10G in clause 28.5.3 as follows (unchanged rows not shown):" Change row to show \*10G in ~~strikeout~~, \*MG in underline in first column, then ~~strikeout~~ "Implementation supports a 10GBASE-T PHY", replacing with "Implementation supports a member of the MultiGBASE-T PHY Family (See Clause 1.4)" in column 2, and referencing Clauses 55 and 113 (as cross references) in column 3.

In 28.5.4.8, item SD10, P22, L10-11, replace "Status" column with ~~strikeout~~ "!10G:M" underline "MG:M"

In 28.5.4.8, item SD11, P22, L13-14, replace "Status" column with ~~strikeout~~ "10G:M" underline "MG:M"

*Proposed Response*      *Response Status*      **W**

PROPOSED ACCEPT.

# Motion on Late Comments

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- **Motion #4:**
- **Move that the Task Force consider the late comments shown on slides 8 & 9 of zimmerman\_3bq\_01\_0715.pdf after resolving other comments**
  
- **M: George Zimmerman            S:**
- **(Procedural/Technical > 50%/75%)**
- **MOTION PASSES/FAILS**
- **Y:    N:        A:**