

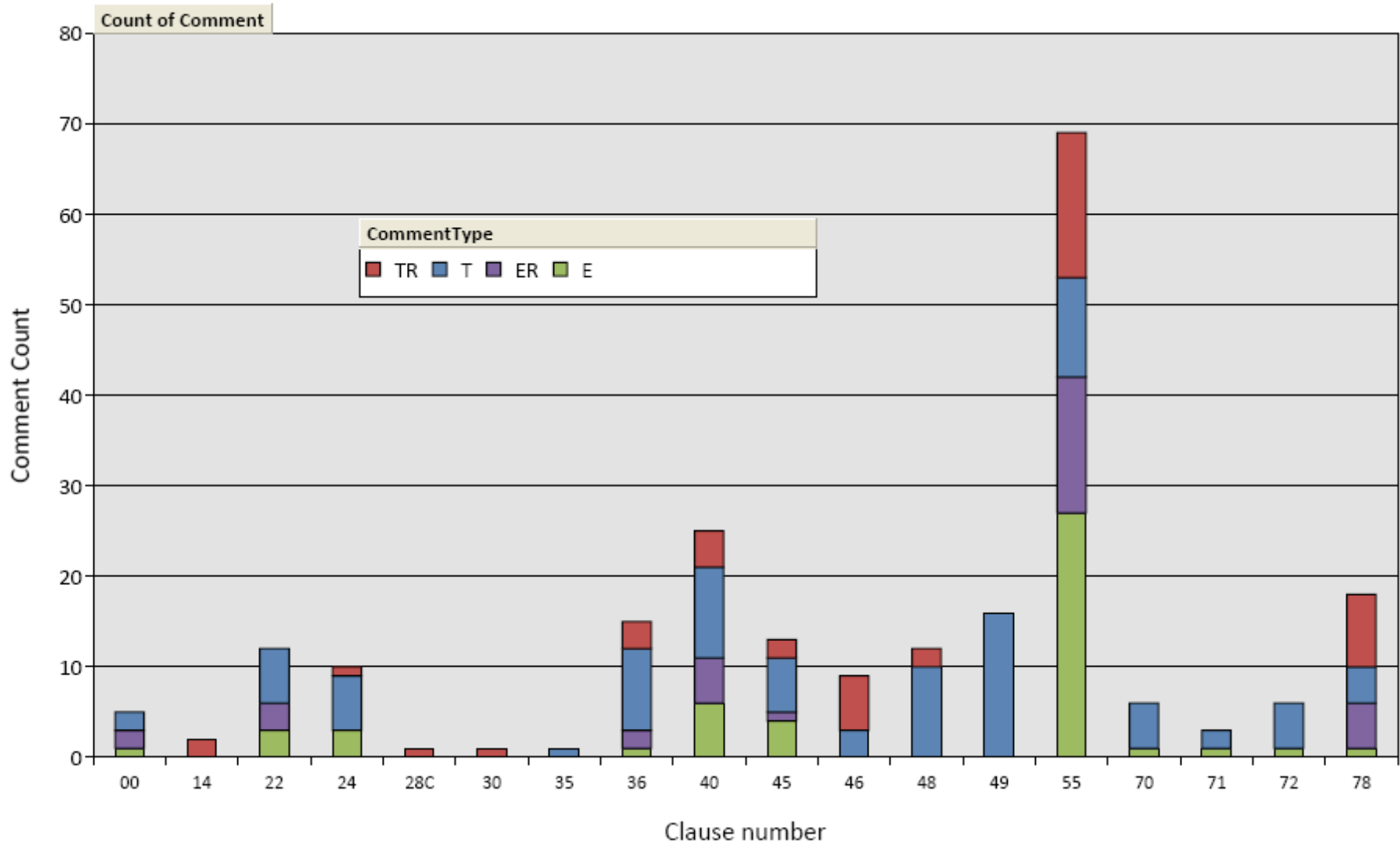
Next steps for EEE Draft

Sanjay Kasturia
Editor-in-chief 802.3az
Energy Efficient Ethernet
skasturia@teranetics.com
(650) 704-7686

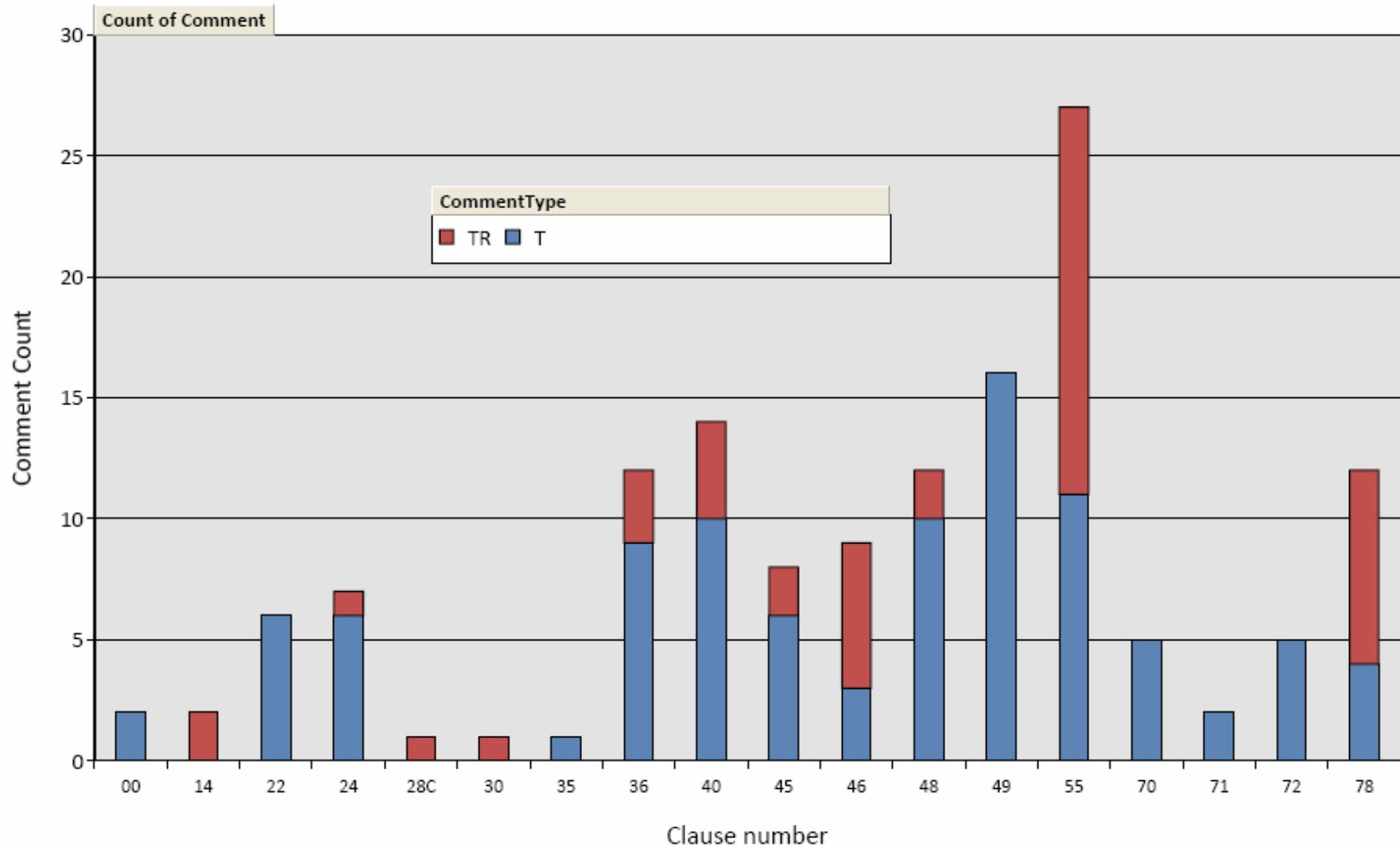
Status

- D1.1 was published last year
 - This draft was mostly complete
 - Backplane was reorganized by moving some material from the backplane Clauses (70, 71, 72) to the 1000BASE-X (36), 10GBASE-T (48) and 10GBASE-R (49) clauses
- We again received a large number of comments
 - ~224 despite the fact the comment cycle fell over the holidays
 - ~70 comments on Clause 55 indicating this has received some attention

Comment statistics (all)



Comment statistics (Tech)



Completion

- ~15 lines with TBDs
 - 7 of these are in a summary table in clause 78
 - Most will fall out of fixes in other clauses
 - Several of the rest are related to cross references
 - See next slide for detailed locator
- Suggested areas for scrutiny
 - Test modes for LPI related functions in all PHYs
 - Management and register definitions
 - PICS

TBD details

Clause	Page	Line	Pointer	Comment	Suggested
45	111	25	3.20 EEE capability register	cross ref	
45	111	27	3.21 EEE reduced energy capability register	cross ref	
45	115	7	If the device supports EEE operation for 1000BASE-KX as defined in TBD	cross ref	
45	116	8	If the device supports reduced energy EEE operation for 1000BASE-KX as defined in TBD	cross ref	
55	158	23	lp_idle /LI/ 0x06 0x06 TBD	Informative, specified in 48	
55	175	1	Defined in TBD	Extended next page cross ref	
78	219	31	802.3, subtype = TBD	TLV related	
78	221	21	Table 78-2 (Summary of key EEE parameters) KR	Twphy	
78	221	23	Table 78-2 (Summary of key EEE parameters) KX4	Twphy, Tmin	
78	221	24	Table 78-2 (Summary of key EEE parameters) KX	Twphy, Tmin	
78	221	27	Table 78-2 (Summary of key EEE parameters) 1000BASE-T	Ts, Tq, Tr	

Hugh Barrass's proposal

Editor for lots of clauses

Clause 22, 28C, 30

- All “easy T’s” – only require a brief review
- Clause 22 - 71, 73, 95, 97, 94, 93, 98
- Clause 30 – 53
- Discuss:
- 72(ER) – text changed by 802.3ay
- 174(TR) – message codes

Clause 35, 36

- Easy T's – only require a brief review
- Clause 36 – 58(TR), 61(TR), 194, 195, 196, 197, 200, 201, 202, 198, 199, 203, 62(TR)
- Discuss:
- Clause 35 – 78 clock stoppable

Clause 46

- Must be reviewed alongside 70
- Easy T's – only require a brief review
- 24(TR), 190, 81, 25(TR), 26(TR), 66(TR), 82, 191
- Discuss:
- 79 – clock stoppable

Clause 48

- Must be reviewed alongside 71
- Easy T's – only require a brief review
- 83, 192(TR), 204, 205, 206, 209, 193(TR), 210, 211, 207, 208, 212

Clause 49

- Must be reviewed alongside 72
- **DANGER!!!**
- All comments received are from the editor
- 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228

Clause 45

- Easy T's – only require a brief review
- 63(TR), 84, 85, 64, 65

- Discuss:
- 77 – clock stoppable
- 139(E), 19, 6, 23 – reduced energy modes

Easy E's

- Easy E's – use a bucket motion:
- Clause 22 – 70, 92, 96, 57(ER)
- Clause 36 – 60(ER), 59(ER)
- Clause 45 – 76, 51(ER), 41
- Clause 46 –
- Clause 48 –

For proceeding to WG ballot

- Draft has to be deemed technically complete by task force
- Complete draft has to be available to the working group one week before the March plenary
- Changes made in the March meeting have to be reviewed item by item at the working group plenary
- Working group has to deem the draft (with changes made the March meeting) technically complete