

Status of 802.3ap Document

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IEEE 802.3ap

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IEEE 802.3ap Draft 0.8 Doc

- Added Arne Alping's comments this morning
- 162 comments received against Draft 0.8.
- From 15 individuals and 9 Companies
- Did a major rework on Clause 45 with Ilango

Comments on Dr.0.8

Comment	TR	T	E	Total
Clause 01	1	0	0	1
Annex 28E	11	17	11	39
Clause 30,30B,36	3	0	0	3
Clause 45	2	7	25	34
Clause 69	0	8	10	18
Clause 70	1	10	1	12
Clause 71	1	9	6	16
Clause 72	5	11	16	32
Clause 72A	0	0	7	7
Total	24	62	76	162

TR's and T's (!)

General Concepts

- What is the MDI in Backplane Ethernet? #153
- should information insertion loss specifications be relegated to an Annex? #147

Auto-Negotiation

- AN signaling defined to be transmitted only on lane 0 for -KX4, other lanes have
- state "electrical idle" #93 (related comments: #38, #73, #55, #78)
- polynomial for random 49th bit, #2 (related comments #56)
- define electrical specification for DME? #58 (related comments: #62)

TR's and T's (2)

Auto-Negotiation (continued)

- Define manchester_receive_idle variable #74 (related comments: #79)
- Definition of a primitive from AN to clause #97 36, 48, and 49...
- Should modifications of clause 36 sync state machine be in clause 70 or an annex to clause 36? #98
- Re-organization of ability bits to segregate 10GBASE-T FLP-based AN from DME-based backplane Ethernet AN #99
- an_good definition #76 (is it an_link_good?)
- Overlap of Backplane Ethernet and 10GBASE-T registers #88 (do we need 2 independent status and control registers)
- How do auto-negotiation and loopback mode interact? #131

TR's and T's (3)

Signal Detect Related Comments:

- #59, #60, #61, #91, #72, #105

Delay Constraints

- 1000BASE-KX #116, #117, #47
- 10GBASE-KX4 #114, #115, #47

Test Fixtures: #104, #125, #126, #127

Capacitor values: #44, #106, #108

Clause 69

- Definition of the backplane ethernet objectives #51 (related comments: #90)
- Impedance specifications #42

TR's and T's (4)

1000BASE-KX

- Resolution needs to be assigned to someone. #118
- crosstalk section: #52, #112

10GBASE-KX4

- Return Loss: #64, #71, #65
- Transition Time: #48

10GBASE-KR

- Transmit equalizer structure: #63
- Loopback functionality: #139
- I need to look at #9 and #15
- 10GBASE-KR Transition time: #107, #109, #135
- Jitter Test: #140, #114