

Editor's Summary of Progress During July 2014 Plenary

IEEE 802.3: 40GBASE-T Task Force

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Summary – Amazing!

- 15 motions on the draft, all passed without objection
- We filled out much of our draft of clause 98
 - 98.1 & 98.2 – front matter, in edit for architecture changes
 - 98.3 – in edit for architecture changes, adopted coding last meeting, this meeting modified PTS, adopted low power idle, modifications to sleep/refresh timing
 - 98.4 – PMA sublayer adopted from clause 55.4
 - State machines & PBO schedule
 - 98.5 – PMA electricals adopted from & modified clause 55.5
 - Test modes, fixtures, transmit power & psd, droop, jitter, alien crosstalk rejection
 - 98.6: Adopted from clause 55.6
 - 98.7: pruned clause 55.7 baseline with TBDs for specs
 - Filled in specifications for: IL, RL, PSANEXT, PSAACRF
 - 98.8: MDI - TBD
 - 98.9: Adopted from clause 55.9
 - 98.10: Adopted from clause 55.10
 - 98.11: Adopted from clause 55.11

Still to do

- Flesh out other modifications to Clause 55 to build Clause 98
 - EEE – disable LPI signalling? fast wake? Deep sleep?
 - Common mode noise rejection test?
 - Startup – shorten time?
 - Fast Retrain?
 - THP backchannel?
- Review draft and fill out some remaining specifications
 - Architecture change to replace PCS w/FEC sublayer, and modifications of 55.1-55.3 to become first sections of cl. 98
 - Fill out TBDs in cabling specification
 - MDI
- Review & fill out EEE clauses, management, front matter and 40G interface clauses

THANK YOU!!!!