Analysis of comments on D1.4

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Introduction

- Draft 1.4 has been online; sympathy goes to
    - Brad Booth for Clause 1 & 44
    - Eric Lynskey for Clause 22, Clause 28 & 55.6
    - Mike McConnell for Clause 45
    - Jose Tellado for PCS and PMA sections
    - Sandeep Gupta for the PMA Electrical
    - Chris DiMinico for the Link Segment
    - Terry Cobb for the MDI and environmental specification
- The draft has been updated from D1.3
- We have ~91 comments
    - ~73 are T & TR
    - ~18 are E

3/20/2005
10GBase-T

Comment details

- Numbers are approximate
- Broad participation
- ~25 are TR
- ~48 are T
- ~18 are E

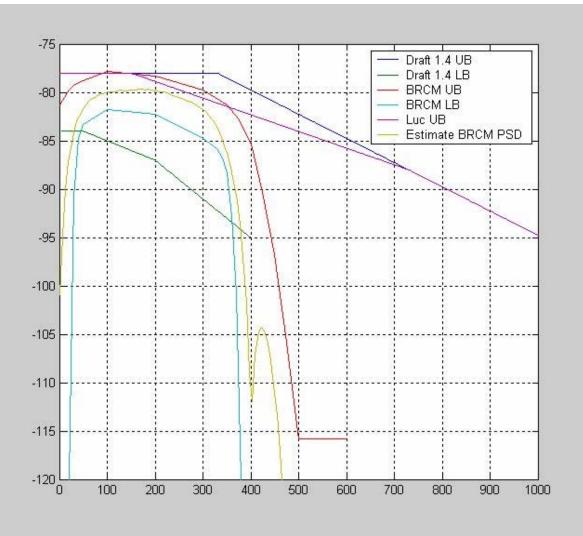| CommenterName	E	T	TR
Adriaenssens, Luc	0	0	1
Bennett, Michael	0	1	0
Booth, Brad	6	3	0
Brown, Kevin	0	1	0
Cobb, Terry	0	0	1
DiMinico, Chris	0	0	1
Eisler, George	0	1	0
Zimmerman, George	1	2	0
Halder, Bijit	0	5	0
Koeman, Henriecus	0	2	0
McClellan, Brett	2	12	0
Powell, Scott	1	9	3
Reviriego, Pedro	0	0	2
He, Runsheng	0	0	1
Rao, Sailesh		1	1
Seki, Katsutoshi	0	2	0
Tellado, Jose	0	5	0
Thaler, Pat	0	0	6
Dineen, Thomas	0	0	1
Thompson, Todd	8	1	0
Ungerboeck, Gottfried	0	1	4
Vareljian, Albert	0	1	0
Jones, William	0	1	0

Completing the draft

- Some timers
  - Multiple proposals
- Delay
  - Multiple proposals
  - ~1.8, 5, 10 microsec
- Power backoff
  - Two specific proposals
  - Multiple requests for more time
- THP
  - Two specific proposals for IIR sets
  - One for refining approved FIR set
  - One for introducing RX programmable coefficients exchanged during startup
  - Multiple comments relating to current choices
- Noise level for PMA AXT test
  - One proposal

Other

- Clarification on and modifications of link segment (55.7)
    - Make "constants" length dependent
    - ???
- Change! Change!
- PSD mask
    - Tighten top end for EMI reasons
    - Tighten top and bottom to reduce tx to tx variation
    - Zero excess bandwidth
- Infofield

TX PSD

- See comments/presentations for definitive details

Completing THP specification

- We have additional proposals including:
  - IIR coefficient set from Ungerboeck/Powell
  - IIR coefficient set from Tellado based on earlier one proposed by Golden
  - Refinement from Vareljian on FIR set
  - Request for introduction of receiver-specified coefficients
- Requests to remove previously approved set
- Request to reduce the number of sets
- Request to put in TBDs for unspecified sets