

Power over Ethernet Plus 802.3 Study Group Vancouver Interim Report

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IEEE 802.3 March 2005 Plenary
PoEP SG Interim Report

PoE Plus Purpose

- Formed at the November 2004 802 plenary by 802.3 Working group motion

“Move that 802.3 authorize the formation of a Study Group to develop a standards project proposal (PAR and Five Criteria) for enhancements to PoE beyond the specifications of Clause 33.”

Interim Work

- Introductions, general material, IEEE Patent Policy
- CFI review
- New Presentations
- Motions / Consensus building

CFI review

- Repeat of CFI presentation
- Review of CFI commitments

Presentations

- Classification of the 802.3 Connection – Austermann
- Economical Feasibility – Dashan
- Technical Aspects – Darshan
- Technical Aspects – Feldman
- PoE Effect on Cable Temperature Variance – McCormack
- General Comments – Potaka

Consensus Statements

- ≥ 30 Watts
- Going to physics limits
- Revise Clause 33
- 100% backward compatible
- New PDs will indicate they need new PSEs
- Cabling \geq Class D
- Class A & B EMI
- SELV
- Research extended classification
- Research midspan 1000BASE-T
- Research and data for 10GBASE-T

Schedule

- Wednesday 8:00 to 5:00
- Thursday 8:00 to noon