Power over Ethernet Plus
802.3 Study Group
Vancouver Interim Report

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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 ≥ 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