

Where We Are Today With PoE

Michael McCormack

3Com

802.3 PoE

- 802.3af CFI July 1999
- First Draft July 2001
- 802.3af ratified 11-Jun-03

Large Installed Base

Outside IEEE

- Standards Organizations
 - TIA TR42
 - Expanded Power
 - Limited Capabilities
 - Conflict in Implementation
 - ETSI
 - Primary Power Requirements
- Proprietary Systems

Class 4

- 802.3af provided:

33.2.7 PSE classification of PDs

The PSE may optionally classify a PD to allow features such as . . .

. . . Class 4 is reserved for future use.

PoEPlus Compatible PSE

- PlusPSE \Leftrightarrow Class 0,1,2, or 3 PD
Behaves as 802.3af PSE
- PlusPSE \Leftrightarrow Class 4 PD
PoEPlus modes

PoEPlus Compatible PD

- PSE \Leftrightarrow Class 0,1,2, or 3 PoEPlus PD
Behaves as 802.3af PSE
- PlusPSE \Leftrightarrow Class 4 PoEPlus PD
PoEPlus modes
- PSE \Leftrightarrow Class 4 PoEPlus PD
PSE defined (33.2.7.1) – PD Behavior TBD

PoEPlus Areas of Study

- Higher Power
- Power Forwarding
- Power Redundancy
- Enhancements as may come before the committee

PoEPlus Questions

11-Nov-04

PoEPlus
IEEE 802.3 Plenary