Developments in Copper Cabling

IEEE 802 Tutorial

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Agenda

1. Evolution & Trends  
   Alan Flatman

2. Cabling Standards  
   Paul Kish

3. Category 6/Class E  
   Luc Adriaenssens

4. Category 7/Class F  
   Hans Roos

5. Compliance Testing  
   Mark Johnston

Panel Discussion  
   presenters
Evolution of Structured Cabling

Outlets (million)

Source: Extrapolated from BSRIA data
World-wide Structured Cabling Market

Source: World Information Technologies 1995
US Structured Cabling Market by Category

Source: Frost & Sullivan 1998
European Data Cable Market by Category (1998)

Source: BSRIA 1998
Next Generation Cabling: Market Requirements & Success Factors

- backwards-compatible with Cat 5
- a significant performance gain
- low incremental installed cost
- standard components & system
- performance verified in the field
- at least 10 years life expectancy
Observations

- hub & card manufacturers target cable base
- installed cabling base dates back to 1984AD
- current LAN projects exhausting MM fibre
- every ounce is being squeezed from Cat 5
- non Class D compliant cabling at least 10%
- Cat 6/Cat 7 cable deployment WILL happen
- opportunity for IEEE 802 to shape/anticipate next generation cabling