

Developments in Copper Cabling

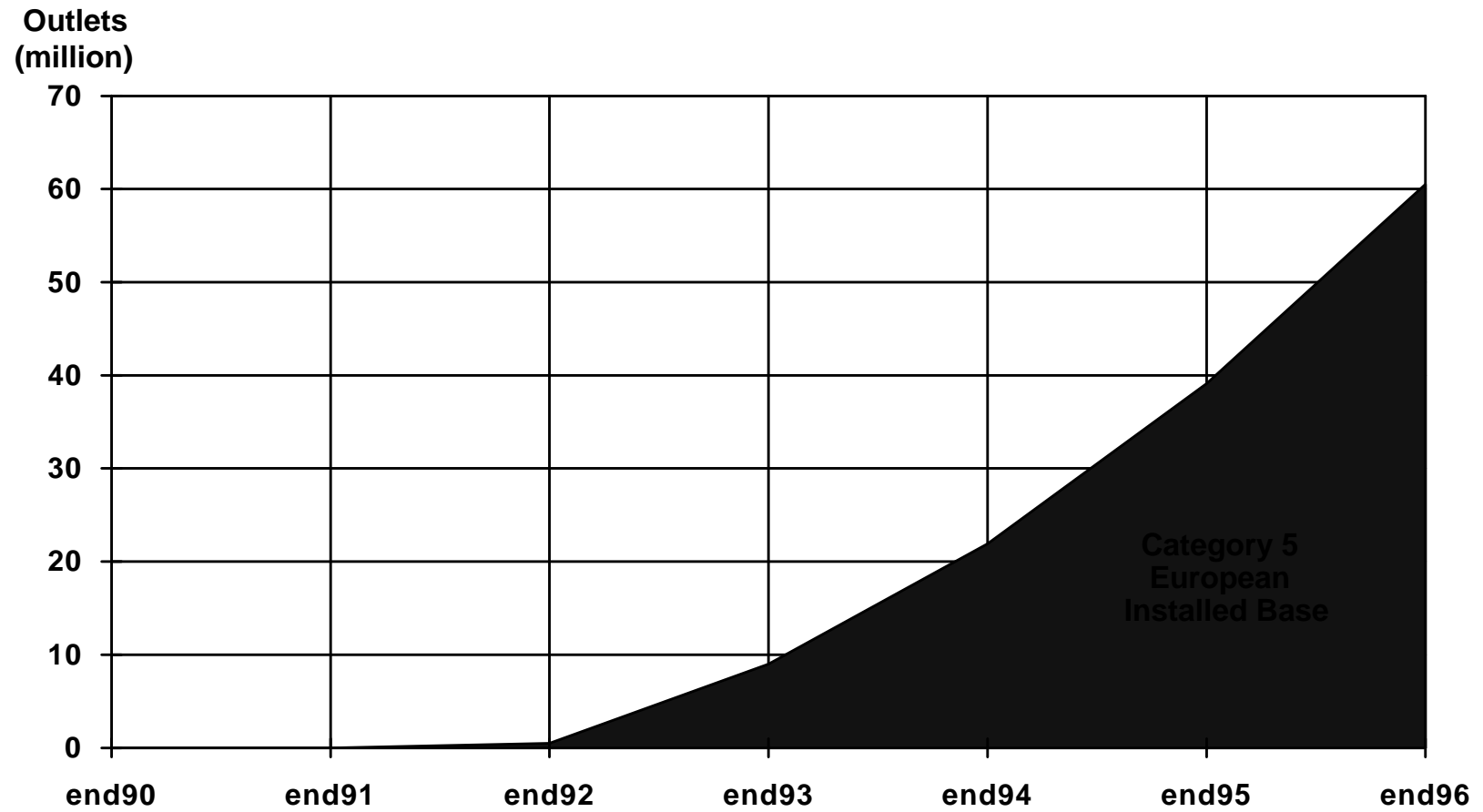
IEEE 802 Tutorial

**07 July 1998
San Diego, CA**

Agenda

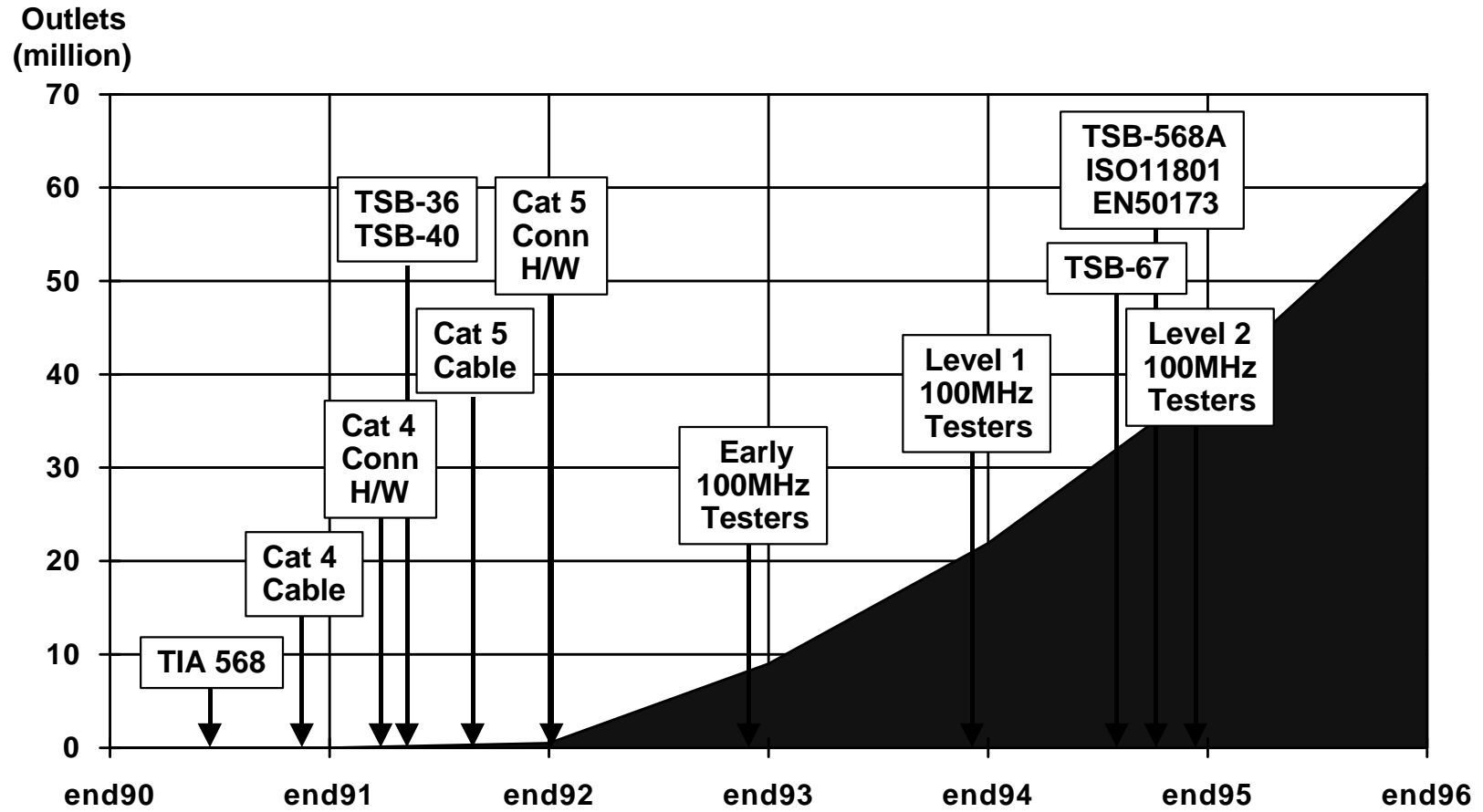
1. Evolution & Trends Alan Flatman
 2. Cabling Standards Paul Kish
 3. Category 6/Class E Luc Adriaenssens
 4. Category 7/Class F Hans Roos
 5. Compliance Testing Mark Johnston
- Panel Discussion presenters

Evolution of Structured Cabling

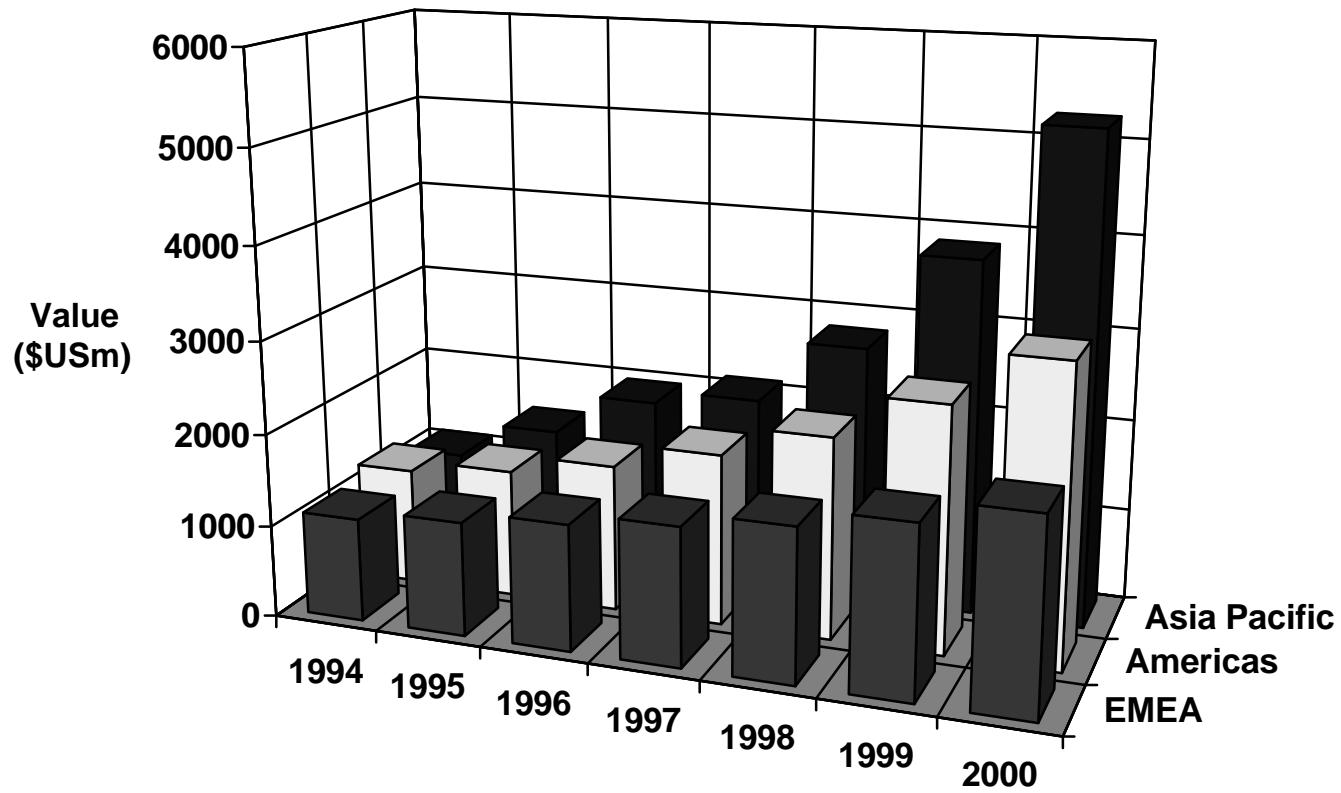


Source: Extrapolated from BSRIA data

Evolution of Structured Cabling



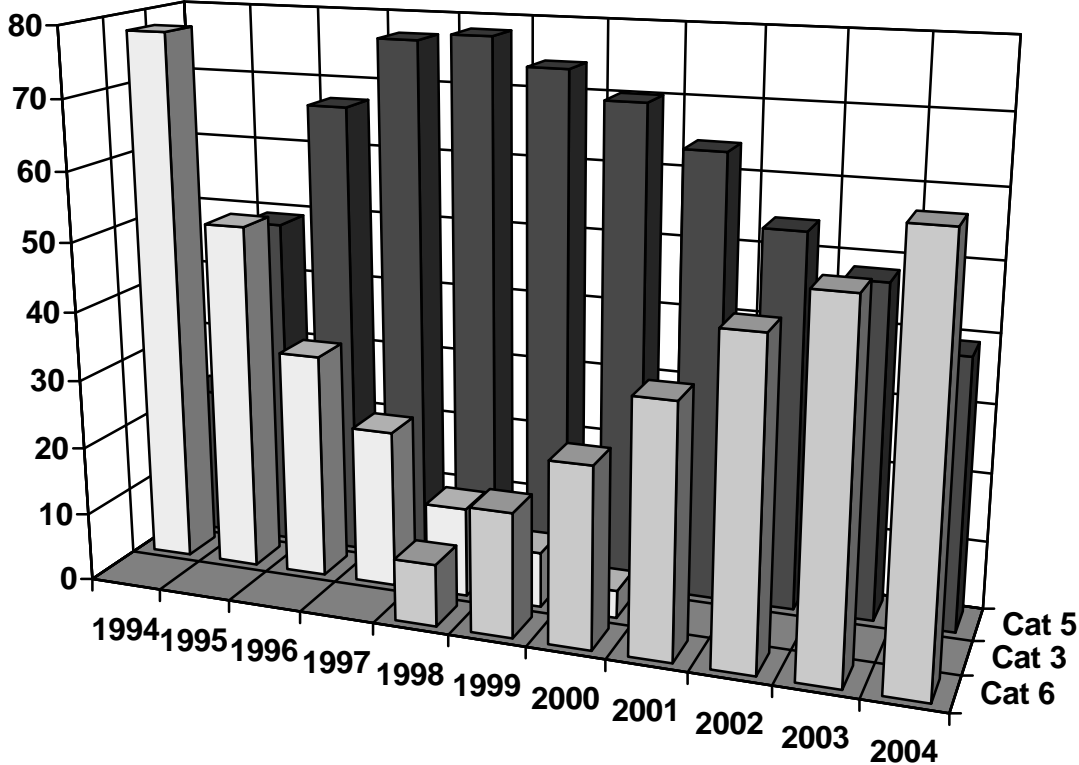
World-wide Structured Cabling Market



Source: World Information Technologies 1995

US Structured Cabling Market by Category

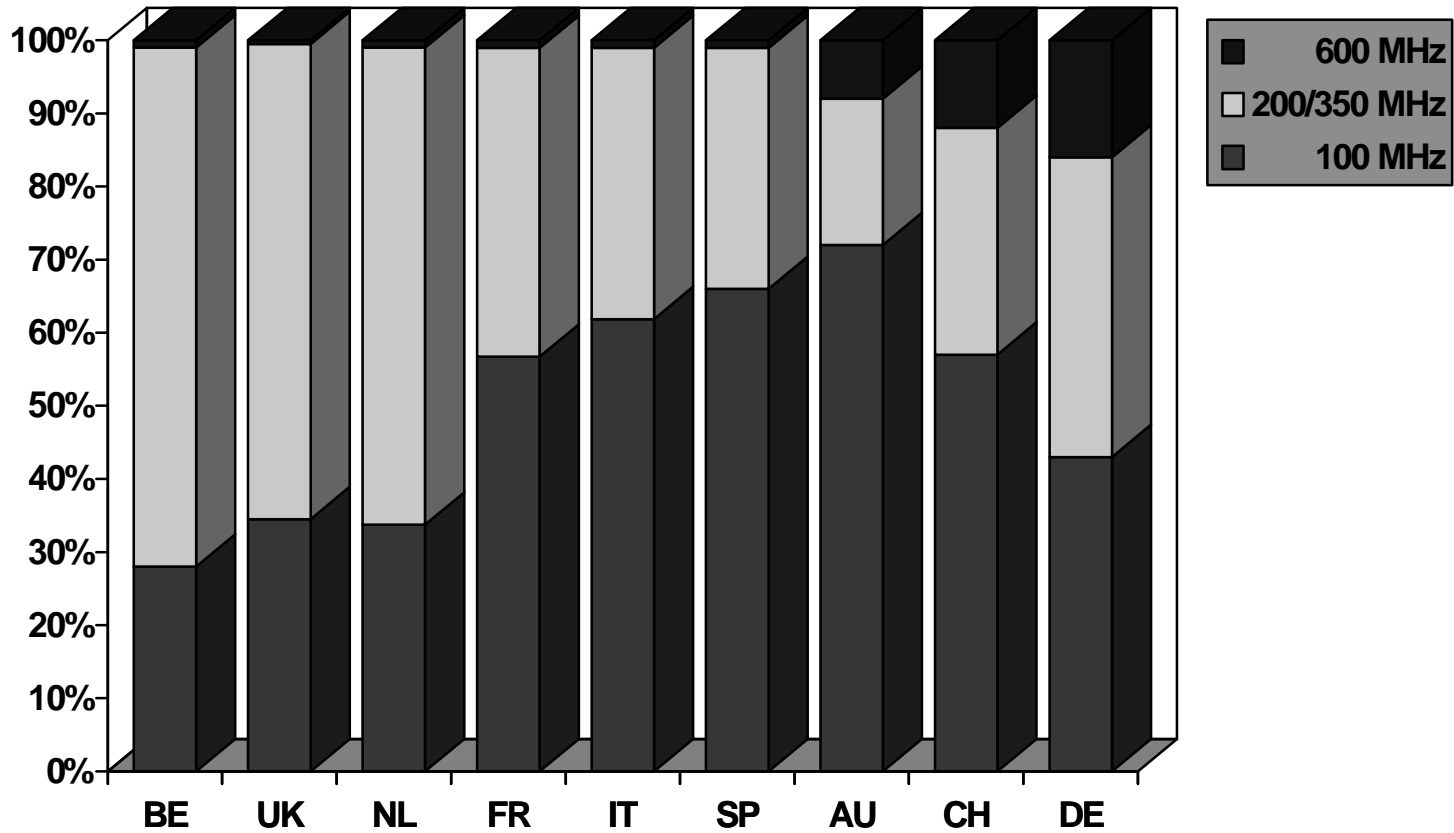
% share
by value



Source: Frost & Sullivan 1998

European Data Cable Market by Category (1998)

share by
volume



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**