

# ISO/IEC SC25/WG3 Meeting

## Los Cabos, Mexico: 23-27 March 2009

### - Customer Premises Cabling -

## Highlights:

- ISO 11801 Ed.2 Am.1 (channel specs) published
- ISO 11801 Ed.2 Am.2 (component specs) FPDAM
- ISO 24764 Data Centre Cabling issued as an FCD
- ISO 14763-2 Planning/Installation issued as a CD
- ISO 29125 PoE Cabling Guide issued as a PDTR
- liaison forwarded to 802.3 on OF terminology
- plan to explore cabling-related contribution to energy efficiency



44 Participants

20 Nations

# ISO/IEC 11801 Ed.2 Amendment

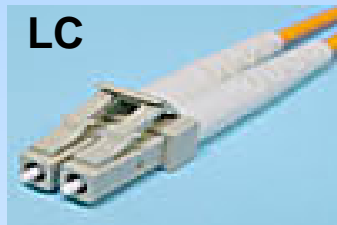
- **introduction of Class E<sub>A</sub> and Class F<sub>A</sub> plus electromagnetic performance requirements:**
  - **balance for unscreened cabling**
  - **coupling attenuation for screened cabling**
- **split into channel (Am.1) plus link & component specs (Am.2) in order to expedite development**

# ISO/IEC 11801 Ed.2 Amendment 2

- **contains link/cords/components/other material**
- **OM4 fibre featured but decision on OFL value awaited from IEC** ■
- **1<sup>st</sup> FPDAM failed; 13 nations in favour, 6 against**
- **285 national comments including 210 technical**
- **all resolutions agreed & 2<sup>nd</sup> FPDAM since issued**
- **ISO/IEC 11801 Ed.2 Am.2 earliest approval Q409**
- **many differences to TIA-568 relating to Cat 6A**
  - **ISO/IEC specifications generally more onerous**

# ISO/IEC 24764 Data Centre Cabling

- Cat 6<sub>A</sub>/OM3 specified as minimum performance
- dual LC connector for 2 fibres, MPO for >2 fibres



- 1<sup>st</sup> FCD failed; 13 nations in favour, 8 against
- 155 national comments including 98 technical
- all resolutions agreed & 2<sup>nd</sup> FCD since issued
- ISO/IEC 24764 earliest approval could be Q409

# **ISO/IEC TR 29125**

## **Cabling Guidelines for Remote Powering of DTEs**

- **provides guidance on both new & existing cabling**
- **gives worst case temp rise for cable bundles of different Category vs. current carried per pair**
- **provides guidance on connector mating/unmating under electrical load**
- **national review of 2<sup>nd</sup> WD received 50 comments including 40 technical**
- **all resolutions agreed and PDTR since circulated**
- **technical content is very similar to TIA TSB-184**

# Fibre Optic Terminology

**attenuation  
may be  
different!**

- **confusion regarding optical fibre terms & definitions**
  - **ISO/IEC cabling standards should specify performance requirements for installed cabling**
  - **IEC fibre standards specify optical fibre only**
  - **and IEC cable standards specify cabled optical fibre (as cables or equivalent)**
- **“Cabled Optical Fibre Category” adopted by ISO/IEC**
- **liaison statement forwarded to IEC to harmonise**
- **liaison also sent to IEEE 802.3 to request that they use this same terminology in their standards**

# Future Meetings

**ISO/IEC SC25 WG3**

**07-10 Sep 2009**

**Beijing**

**ISO/IEC SC25 Plenary**

**11 Sep 2009**

**Beijing**