ISO/IEC SC25/WG3 Meeting
Seattle, WA: 18-21 October 2010
- Customer Premises Cabling -

**Highlights:**

1. ISO/IEC 11801 Ed.2 Am.2 published 2010
2. ISO/IEC 24764 Data Centre Cabling issued 2010
3. ISO/IEC 29125 PoE Cabling published 2010
4. ISO/IEC 14763-2 Planning & Installation 2nd FCD
5. ISO/IEC 15018 Home Cabling media changes
6. ISO/IEC cabling standards to be re-structured
7. ISO/IEC 11801 Ed.3 planned – change list live
8. No RL requirements for optical links/channels
9. Healthcare Facility Cabling project proposed
10. EMC testing to be considered for cabling
ISO/IEC 24764
Data Centre Cabling

- additional cabling tier being introduced as Am.1
- *intermediate distribution cabling* to provide more flexibility in data centre configurations
- new material extracted from TIA-942-A D2.0
- PDAM to be circulated in parallel with a NWIP
ISO/IEC 24764
3-tier Cabling Architecture
ISO/IEC 24764
3-tier Cabling Architecture
ISO/IEC 14763-2
Cabling Planning & Installation

- 1st FCD failed; 16 nations in favour, 8 against
- 394 national comments including 169 technical
  - many comments relate to segregation & sampling
- only two-thirds comments resolved at meeting
- 2nd FCD to be circulated for vote < May 2011
- hoped to circulate an FDIS for vote < Oct 2011
- expected to become a compliance requirement within many tenders and contracts
ISO/IEC 15018
Home Cabling

- 3rd PDAM got substantial support, now FPDAM
  - introduces optical fibre aspects
  - US proposal to include OM4 accommodated with “OM3 minimum for OF-300”

- substantial review planned for BCT coax cabling
  - questionnaire to be sent to relevant groups
  - coax obsolete due to demise of analogue services?
  - UK will terminate analogue services in 2010
  - France plans to terminate analogue services in 2011

BCT = Broadcast & Communications Technologies
Optical Return Loss Requirements

- SC25 WG3 requested clarification on optical RL requirements for 1G/10G/40G/100G MMF Ethernet
- ISO/IEC 11801 has no optical RL for links/channels
- MMF Ethernet specs require Tx to tolerate 12dB RL
- IEEE 802.3 stated that 12dB optical RL requirement measured at 1st connector & is from remote Rx only
Optical Fibre Decisions & Issues

- OM1 fibre type to be dropped from cabling standards
- agreed to delete optical fibre classification scheme
  - removal of OF-xxx will have no impact to standard
  - will rely on application specific data (fibre type + length)
- no RL requirements planned for optical links/channels
- bend-tolerant MMF & SMF fibre types require analysis
Re-structuring of ISO/IEC Cabling Design Standards

- NWIP approved to re-structure to ease change management & simplify future additions
- ISO 24764 to be included
- no technical changes!
- could take at least 1 year
- US Editor appointed
Future Meetings

ISO/IEC SC25 WG3    02-06 May 2011    Berlin