ISO/IEC SC25/WG3 Meeting

Keauhou, HI: 26 Feb – 02 Mar 2007

- Customer Premises Cabling -

50 Participants **21 Nations**

Highlights:

- **ISO TR 24750 Installed Class E/Class F Cabling to Support 10GBASE-T approved**
- **ISO 11801: 2002 Am.1 Class E_A/Class F_A specifications still some way to go**
- **ISO 24764 Data Centre Cabling CD issued**
- **liaisons with IEEE 802.3 on PoEP & optics**
- **TR to be developed as PoE cabling guide**

ISO/IEC 11801 Ed.2 Amendment

- **introduction of Class E_A & Class F_A cabling plus electromagnetic performance parameters**
- **split into channel (Am 1.1) plus link/component specs (Am 1.2) in order to expedite development**

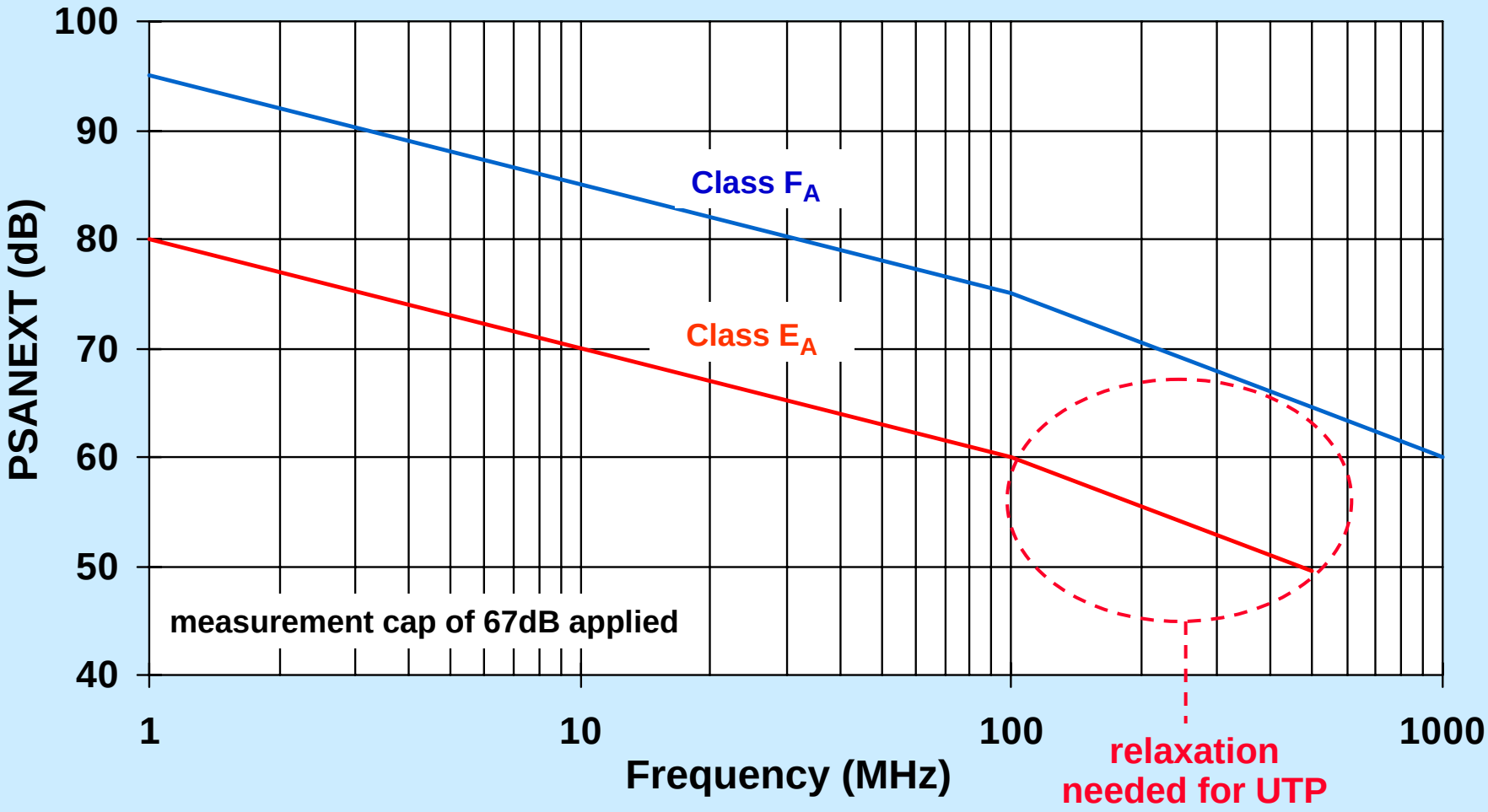
ISO/IEC 11801 Ed.2 Amendment 1.1

- contains conformance/channel requirements only
- 3rd FPDAM failed; 15 nations in favour, 9 against
  - 2nd FPDAM had 7 nations in favour, 12 against
- 178 national comments received and resolved
- 4th FPDAM being prepared/comments at next mtg
- Class E_A different to TIA Cat 6A regarding NEXT

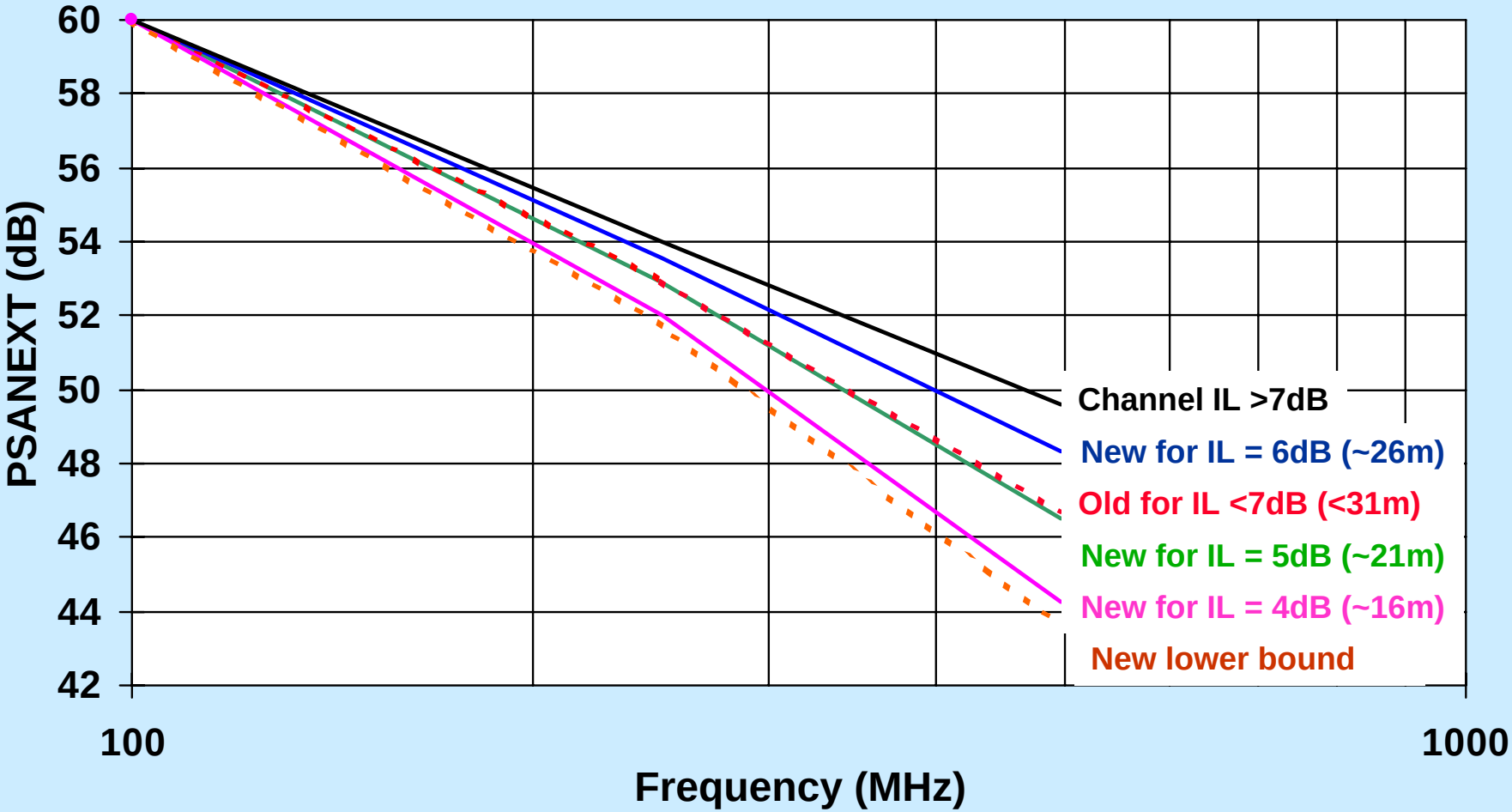
ISO/IEC 11801 Ed.2 Am 1.1 3rd FPDAM Decisions

1. proposals to relax Class E_A channel NEXT rejected once again.
2. proposal to remove PSANEXT relaxation for short Class E_A channels was rejected.
3. PSANEXT relaxation for short Class E_A channels changed from step function to gradual slope.

Channel PSANEXT Requirements



Class E_A Channel PSANEXT Relaxation



ISO/IEC 11801 Ed.2 Amendment 1.2

- contains link/cords/components/other material
- 280 national comments received and resolved
- 1st PDAM being prepared/comments at next mtg.
- models selected for channel-down calculation of component values to support Class E_A & F_A channels & permanent links
- much work remains to be done in this area

ISO/IEC 24764
Data Centre Cabling

- initial draft held over from Sep 2006 meeting
- 49 national comments received and resolved
- OM3 now recommended for optical channels
- need to characterise modal noise when many optical connectors in channel (see liaison 3N822)
- 1st CD being issued/comments at next mtg

Remote Powering
(see liaison 3N821)

Statements:

- cabling current capacity limits still under study
- IEC safety committees consulted (see liaison 3N823)
- cable DCR unbalance is 2%, channel is 3%
- pair-to-pair DCR unbalance in cables is 4%

Questions:

- what is the RCL load of a Powered Device?
- what is the voltage shutdown time during unmating?

Future Meetings

ISO/IEC SC25 WG3	**03-06 Sep 2007**	**Korea**
ISO/IEC SC25 Plenary	**07 Sep 2007**	**Korea**
ISO/IEC SC25 WG3	**18-22 Feb 2008**	**Spain (TBC)**