

ISO/IEC SC25/WG3 Meeting, Berlin: 28 Jun - 01 Jul 1999

- Customer Premises Cabling -



64 Experts

19 Nations

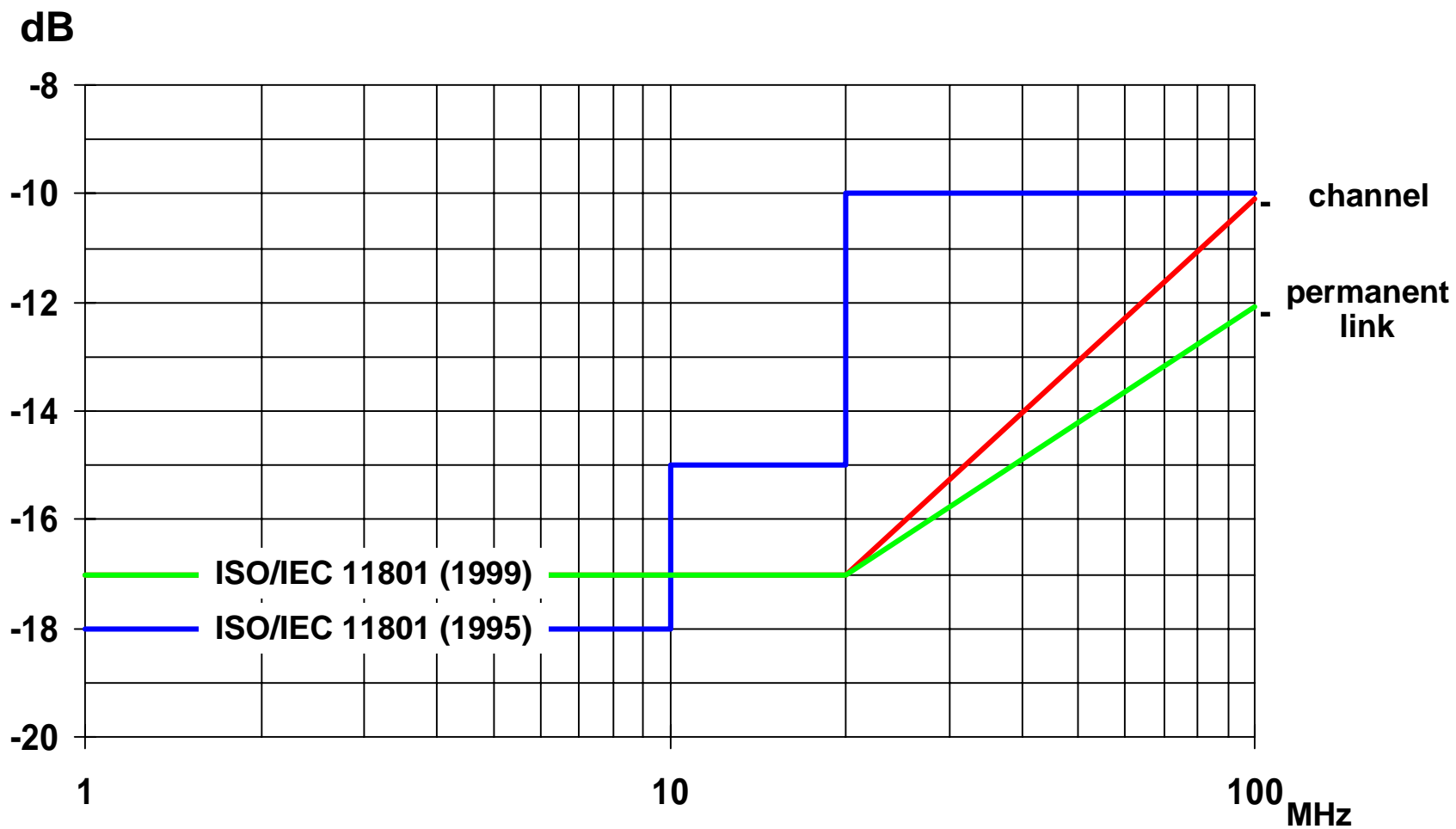
Highlights

- **IS 11801 Am1,2,3 to be published**
- **IS 11801 2nd Ed planned 2000AD**
- **2nd Ed Class D based on Cat 5E**
- **Class E & F channel specs firm**
- **two Cat 7 connectors selected**
- **joint meeting held with SC6**
- **next mtg 7-11 Feb 2000 Sydney**

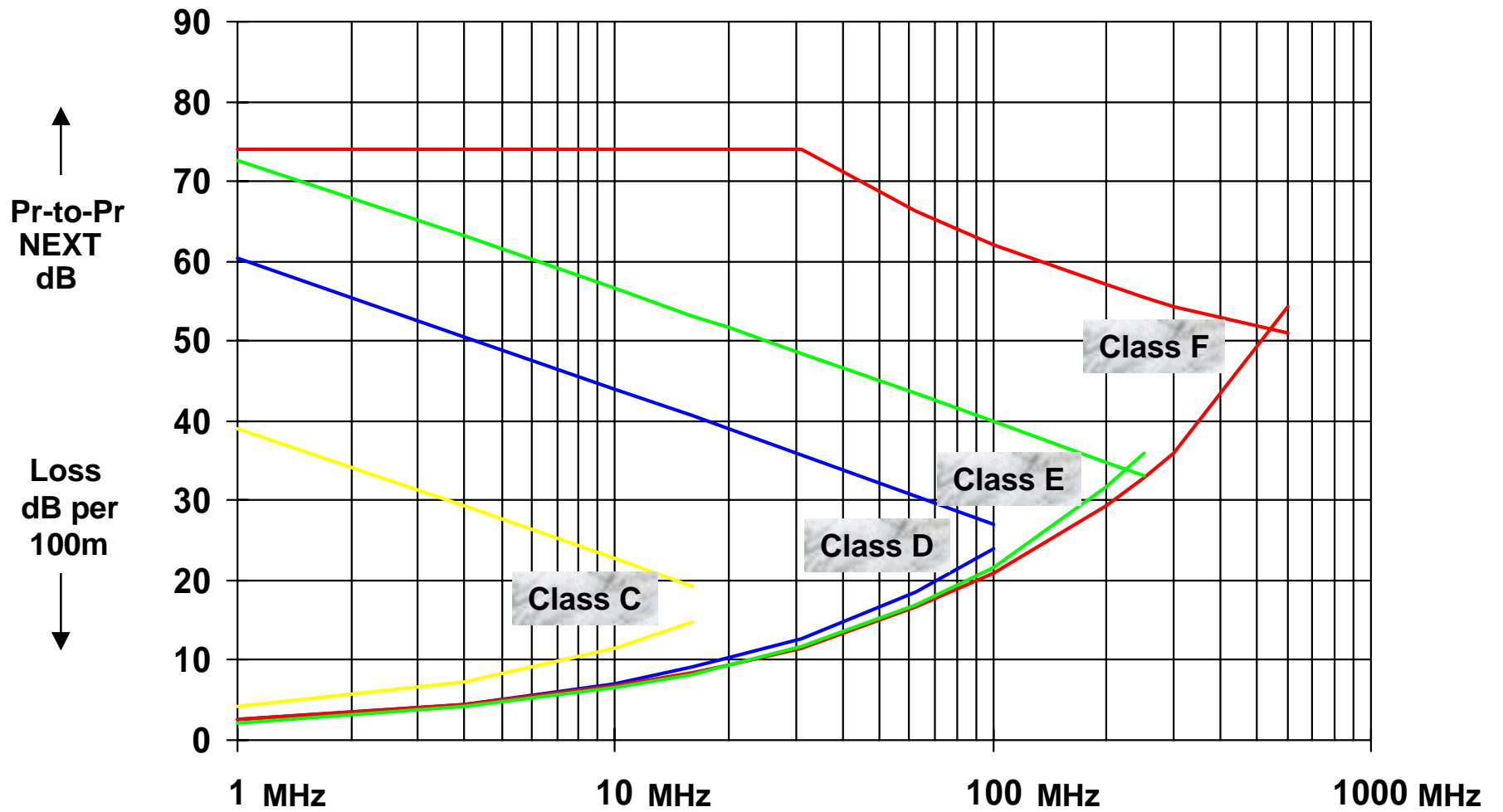
Amended Class D vs TIA Cat 5

<i>Channel Parameters</i>	<i>Class D Amended</i>	<i>Cat 5 (TSB-95)</i>	<i>Cat 5E (568-A-5)</i>
attenuation @ 100MHz	24.0dB	24.0dB	24.0dB
 NEXT @ 100MHz	27.1dB	27.1dB	30.1dB
 PSNEXT @ 100MHz	24.1dB	-	27.1dB
 ELFEXT @ 100MHz	17.0dB	17.0dB	17.4dB
 PSELFEXT @ 100MHz	14.4dB	14.4dB	14.4dB
Return Loss @ 100MHz	10.0dB	8.0dB	10.0dB
Prop Delay @ 10MHz	555ns	555ns	555ns
Prop Delay Skew	50ns	50ns	50ns

ISO/IEC 11801 Return Loss



Next Generation Channels



ISO/IEC 11801 2nd Edition Cat 6/Class E Cabling

- **200 MHz 4-connector channel PSACR = 0.1dB**
- **working spec to 250 MHz based on formulae**
- **cable specification now considered firm**
- **RJ-45 connector validation continues**
 - » **multi-vendor interworking being verified**
 - » **backwards compatibility also being tested**
- **IEC asked to produce connector standards**
- **balance & screening defined up to 80 MHz**
- **coupling attenuation being defined >80 MHz**

ISO/IEC 11801 2nd Edition Cat 7/Class F Cabling

- **475MHz 4-connector channel PSACR = 0dB**
- **541MHz 2-connector channel PSACR = 0dB**
- **600MHz 2-connector channel ACR = 0dB**
- **working spec to 600 MHz based on formulae**
- **Alcatel RJ-45 connector chosen as preferred**
- **Siemon non-RJ-45 connector chosen back-up**
- **IEC asked to produce connector standards**
- **balance & screening defined up to 80 MHz**
- **coupling attenuation being defined >80 MHz**