ISO/IEC 11801
(Second edition – 2002)

Information technology –
Generic cabling for customer premises

CORRIGENDUM 3

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6.4.4.1 Pair-to-pair NEXT

Replace the existing first paragraph by the following new first paragraph:

The *NEXT* of each pair combination of a channel shall meet the requirements derived by the equation in Table 6.

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Replace the existing title by the following:

6.4.4.2 Power Sum NEXT (PS NEXT)

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Replace the existing Table F.1 by the following new Table F.1:

Table F.1 – Applications using balanced cabling

Application	Specification reference	Date	Additional name
Class A (defined up to 100 kHz)			
PBX	National requirements		
X.21	ITU-T Rec. X.21	1996	
V.11	ITU-T Rec. X.21	1994	
Class B (defined up to 1 MHz)			
S0-Bus (extended)	ITU-T Rec. I.430	1993	ISDN Basic Access (Physical Layer)
S0 Point-to-Point	ITU-T Rec. I.430	1993	ISDN Basic Access (Physical Layer)
S1/S2	ITU-T Rec. I.431	1993	ISDN Primary Access (Physical Layer)
CSMA/CD 1BASE5	ISO/IEC 8802-3	2000	Starlan
Class C (defined up to 16 MHz)			
Ethernet 10Base-T	IEEE 802.3 [b]	2005	CSMA/CD ISO/IEC 8802-3:2000
CSMA/CD 10BASE-T	ISO/IEC 8802-3	2000	
CSMA/CD 100BASE-T4	ISO/IEC 8802-3	2000	Fast Ethernet
CSMA/CD 100BASE-T2	ISO/IEC 8802-3	2000	Fast Ethernet
Token Ring 4 Mbit/s	ISO/IEC 8802-5	1998	
ISLAN	ISO/IEC 8802-9	1996	Integrated Services LAN
Demand priority	ISO/IEC 8802-12	1998	VGAnyLAN ™
ATM LAN 25,60 Mbit/s	ATM Forum af-phy-0040.000	1995	ATM-25/Category 3
ATM LAN 51,84 Mbit/s	ATM Forum af-phy-0018.000	1994	ATM-52/Category 3
ATM LAN 155,52 Mbit/s	ATM Forum af-phy-0047.000	1995	ATM-155/Category 3

Class D 1995 (defined up to 100 MHz)			
CSMA/CD 100BASE-TX	ISO/IEC 8802-3	2000	Fast Ethernet
CSMA/CD 1000BASE-T	ISO/IEC 8802-3	2000	Gigabit Ethernet
Token Ring 16 Mbit/s	ISO/IEC 8802-5	1998	
Token Ring 100 Mbit/s	ISO/IEC 8802-5	2001	
TP-PMD	ISO/IEC FCD 9314-10	2000	Twisted-Pair Physical Medium Dependent
ATM LAN 155.52 Mbit/s	ATM Forum af-phy-0015.000	1994	ATM-155/Category 5
Ethernet 100Base-TX	IEEE 802.3 [b]	2005	Fast Ethernet ISO/IEC 8802-3:2000
PoE	IEEE 802.3 af	2003	Power over Ethernet
Class D 2002 (defined up to 100 MHz)			
Ethernet 1000Base-T	IEEE 802.3 [b]	2005	Gigabit Ethernet / ISO/IEC 8802-3:2000
Fibre Channel 1 Gbit/s	INCITS 435	2007	Twisted-pair Fibre Channel 1G
Firewire 100 Mbit/s	IEEE 1394b	1999	Firewire/Category 5
Class E 2002 (defined up to 250 MHz)			
ATM LAN 1.2 Gbit/s	ATM Forum af-phy-0162.000	2001	ATM-1200/Category 6
Ethernet 10GBase-T [a]	IEEE 802.3an	2006	10Gigabit Ethernet
Class E_A 2008 (defined up to 500 MHz)			
ATM LAN 1.2 Gbit/s	ATM Forum af-phy-0162.000	2001	ATM-1200/Category 6
Ethernet 10GBase-T	IEEE 802.3an	2006	10Gigabit Ethernet
Fibre Channel 2 Gbit/s	INCITS 435	2007	Twisted-pair Fibre Channel 2G
Fibre Channel 4 Gbit/s	INCITS 435	2007	Twisted-pair Fibre Channel 4G
Class F 2002 (defined up to 600 MHz)			
ATM LAN 1.2 Gbit/s	ATM Forum af-phy-xxxx.000	2001	ATM-1200
Ethernet 10GBase-T	IEEE 802.3an	2006	10 Gigabit Ethernet
FC-100-DF-EL-S	ISO/IEC 14165-114	2005	FA – FC-100-DF-EL-S
Class F_A 2008 (defined up to 1 000 MHz)			
ATM LAN 1.2 Gbit/s	ATM Forum af-phy-xxxx.000	2001	ATM-1200
Ethernet 10GBase-T	IEEE 802.3an	2006	10 Gigabit Ethernet
FC-100-DF-EL-S	ISO/IEC 14165-114	2005	FA – FC-100-DF-EL-S

Applications supported by a given class are also supported by higher classes. Some applications may run on a lower class in cases where the specific channel in question meets the performance criteria of the application.

[a] The minimum performance of class E 2002 channels does not support 10GBase-T. Channels implemented using category 6 2002 components will support 10GBase-T provided they meet the additional requirements specified in ISO/IEC TR-24750. Such support may be limited to channels shorter than 100 m. Class E_A or better is recommended for new installations.

[b] including support for remote power feeding defined by IEEE 802.3af: 2003.