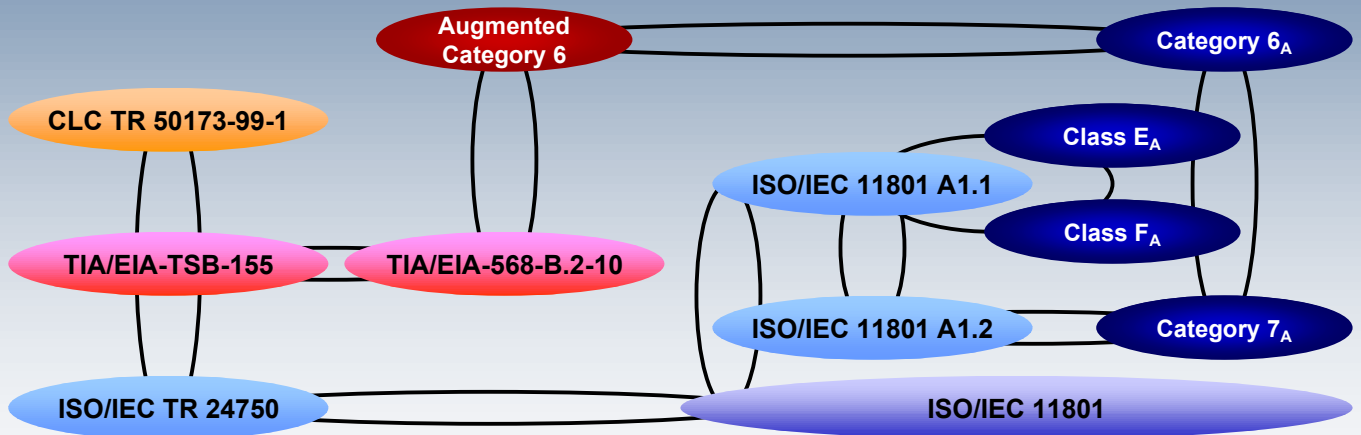


CABLING FOR 10GBASE-T AND BEYOND - A TANGLED WEB

The impact of pre-standard products on the supply industry

A 1-day intensive seminar with optional 12-month service pack



THE EVENT

An increasing number of suppliers are offering enhanced performance copper cabling solutions. We are seeing an interesting range of cable constructions and the definition of a "connection" is beginning to have a new meaning. A wide variety of performance claims are made ranging from 10GBASE-T compliance, Class E_A, Augmented Category 6 up to and including Category 7_A. Naturally, high-end customers are attracted by new offers of future application support and consultants are keen to recommend the use of something new. So what's the problem?

A key problem is that most of the underpinning standards are not yet published - a throwback to the years before Category 6 was ratified.

Moreover, the various performance claims are not necessarily comparable. This raises key issues: what is being offered, what is the customer buying, what are obligations of the installer, how are the suppliers claims to be "proved" by the installer and finally - who is liable and for what? Alien crosstalk requirements, first specified in the 10GBASE-T standard, are now part of the new standards. The testing of PSANEXT and PSAACR-F is far from straightforward but professional installers need to be familiar with its demands.

Another set of problems involves the resurgence of claims and counterclaims for screened and unscreened cabling. Indeed the real competition could be argued not to be between unscreened and screened but between "lightly" screened and "heavily" screened cabling. This extra differentiation is beyond the experience of the average user and installer alike.

This seminar has been produced in response to many questions concerning these issues and attempts to summarise the situation and provide appropriate guidance in an open forum.

THE IMPACT

ON CONSULTANTS	ON INSTALLERS	ON "TESTERS"	ON USERS
...are you providing your clients with "best advice" ... are you appropriately protected from litigation?	... who defines the installation rules and what are the hidden costs?	... how rigorous are the regimes you are applying - and who is liable for any subsequent shortfall?	... did you fully understand what you were asking for ... how do you know you got what you deserved?

THE SEMINAR

PREPARED BY	PREPARED FOR
Mike Gilmore, Managing Director, e-Ready Building Chairman of BSI Technical Committee TCT/7, Convenor CENELEC TC215 WG1 and Director, FIA and TIA-B	Anyone specifying, supplying or installing structured and other telecommunications cabling

SCHEDULE
Q1, 2008

LONDON

Date: 24th January 2008
Location: The IET, Savoy Place

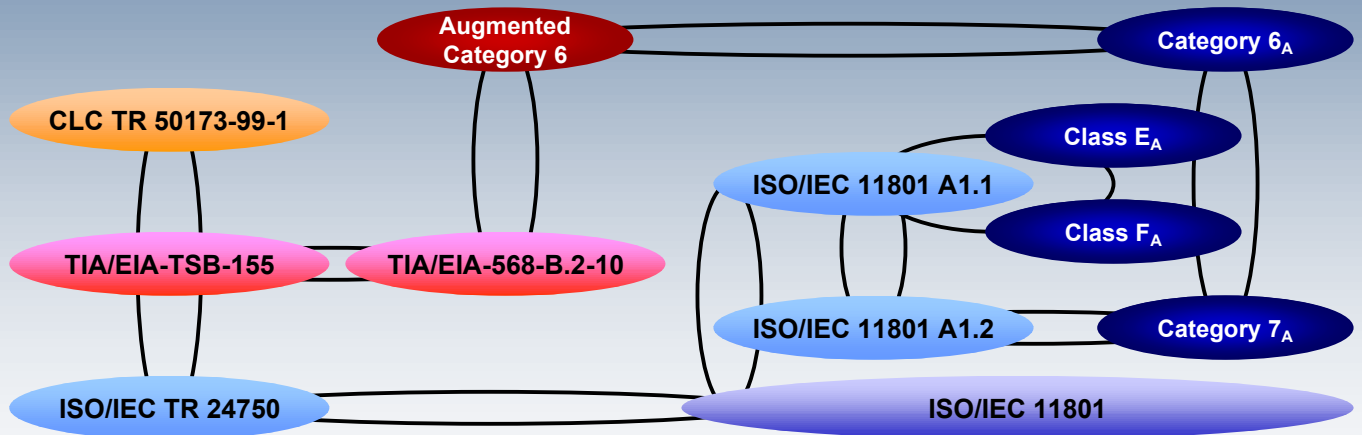
In addition to the scheduled date shown above it is possible to arrange on-site training to suit specific requirements

...for pricing and how to book? Go to page 3

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AGENDA

0930 hrs	Introduction		
0945 hrs	Compliance Claims	1400 hrs	Conformance Testing
	<ul style="list-style-type: none"> 10GBASE-T cabling new channels, links and components <ul style="list-style-type: none"> Augmented Category 6 Class E_A/F_A (and Class F) Category 6_A/7_A (and Category 7) 		<ul style="list-style-type: none"> what should be tested? IEC 61935-1 Ed.2 (Level IV test equipment) testing solutions - IEC 61935-1 Ed.2 IEC 61935-1 Ed.3 (Level IIIe test equipment) testing solutions - IEC 61935-1 Ed.3 alien crosstalk
1030 hrs	The New Standards - Current Status	1430 hrs	Measurement Errors
	<ul style="list-style-type: none"> 10GBASE-T cabling <ul style="list-style-type: none"> CLC TR 50173-99-1, ISO/IEC TR 24750 ANSI/TIA/EIA-TSB-155 BS PD CLC TR 50173-99-1 and beyond <ul style="list-style-type: none"> ISO/IEC 11801 Ed.2 A1.1 ISO/IEC 11801 Ed.2 A1.2 ANSI/TIA/EIA-568-B.2-10 		<ul style="list-style-type: none"> worst-case errors <ul style="list-style-type: none"> IEC 61935-1 Ed.2 (Level IV test equipment) IEC 61935-1 Ed.3 (Level IIIe test equipment)
1115 hrs	Break	1500 hrs	Break
1145 hrs	Performance Specification	1515 hrs	Installation Issues
	<ul style="list-style-type: none"> existing parameters <ul style="list-style-type: none"> electromagnetic performance characteristics new-name parameters new parameters 		<ul style="list-style-type: none"> component/system selection link design closures (panels and faceplates) cabinets layouts bundling screening, earthing and bonding manufacturers instructions
1200 hrs	Class E_A and Augmented Category 6	1600 hrs	Commercial Issues
	<ul style="list-style-type: none"> channels components and permanent links differences 		<ul style="list-style-type: none"> hidden costs <ul style="list-style-type: none"> photographic records administration systems who bears responsibility for broken promises <ul style="list-style-type: none"> pre-standard components "performance by design" application support issues
1220 hrs	Class F_A and its impact on Class F	1630 hrs	Close
	<ul style="list-style-type: none"> the hierarchical principle implicit assumptions - screened solutions light and heavy screens - cable constructions channels components and permanent links 		
1245 hrs	Lunch		

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COSTS		
Scheduled Courses	On-site Training (UK)	Service Packs
Sterling: £389.00 per person Euro: €575 per person	Sterling: £1450 plus £50 per person Euro: €2000 plus €75 per person	In addition to the training course, The Cabling Partnership offers a 12-month service pack agreement covering updates to the on-line templates provided during the seminar. The service pack reflects amendments and additions to the series of templates as applicable standards evolve. Sterling: £75.00 per pack Euro: €125 per person
	On-site Training (outside the UK)	
Contact The Cabling Partnership for details		
The above costs include refreshments during the seminars but exclude accommodation.		
The above costs are subject to VAT where applicable.		

You can reserve places on the courses listed below in the following ways:

- by faxing this page, complete with your requirements and contact details to +44 (0) 113 293 2632
- by telephone: +44 (0) 113 232 3721
- by e-mailing your requirements to The Cabling Partnership to mike.gilmore@btinternet.com

RESERVATION FORM				
LONDON	Date: 24th January 2008	No. of places required		
	Location: IET, Savoy Place	Service pack required	YES	NO

On-site training	Please supply your preferred dates	No. of places required		
		Service pack required	YES	NO

MY DETAILS			
COMPANY NAME			
COMPANY ADDRESS			
	CITY		POST/ZIPCODE
TELEPHONE			
FAX			
RESERVATION MADE BY			
e-MAIL ADDRESS			
SIGNED			
DATED			