The Cabling Partnership

e-Ready Building
Next generation IT infrastructures

INFRASTRUCTURE STANDARDS - STABILITY AT LAST?

Design standards consolidate as focus shifts to installation

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

Prepared and presented by

Mike Gilmore, Managing Director, e-Ready Building
Chairman of BSI Technical Committee TCT/7, Convenor CENELEC TC215 WG1 and Director, FIA and TIA-B

Prepared for

Specifiers, suppliers and installers of telecommunications cabling infrastructures

OVERVIEW

Two years ago, e-Ready Building presented a series of seminars entitled "Specifying cabling infrastructures for 2010". Pleasingly, the predictions made at that time for the future of design standards have, by and large, been delivered by the various bodies. However, in order to achieve those goals, the last six months has seen significant activity in terms of new standards being published, new editions replacing earlier documents, amendments achieving ratification and other texts entering their final stages of approval.

As the predicted debates over component specifications have been resolved, there has been an increasing focus on implementation standards via the development and application of interlocking documents - linking design, planning, installation, inspection and testing. In addition, the coverage of implementation standards is starting to expand to include other support infrastructures - such as environmental control and power supply.

The use of such interlocking standards is intended to simplify the application of contractual obligations and best practice. Unfortunately, the increased use of linked standards means that acceptance of one standard inadvertently locks the unwary into meeting other, latent, requirements. Moreover, interlocking implementation standards only really work within a given region and the inappropriate use of standards outside their intended "sphere of influence" produces linkages with some unwelcome implications.

Knowledge of these linkages is critical to ensuring risk-free infrastructure delivery. Unfortunately, the recent economic climate has forced many of our telecommunications infrastructure organisations, suppliers and consultancies alike, to focus on their core business and, as part of that process, personnel and knowledge have been lost as a result.

e-Ready Building has prepared a one-day seminar which reviews all these issues in a way that lets organizations re-construct, or build upon, their standards knowledge.

In addition, the seminar introduces:

- latest data centre infrastructure activities recently launched by a variety of standards bodies – moving well beyond the telecommunication cabling area and focussing on energy efficiency initiatives;
- enlightened procurement initiatives necessary to minimise risk;
- some of the support documents produced by the FIA, TIA-B and third parties - created to provide explanation and clarification of the interlocking standards.

SCHEDULE Q2, 2010	LONDON	29th April 2010	Location: Wandsworth, London

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

COSTS

Scheduled Courses	Service Packs	On-site Training (EEA)
Basic rates	The Cabling Partnership offers a 12-month service pack agreement covering updates to the information provided during the seminar. The service pack reflects amendments and additions as standards evolve.	**UK**
Sterling: £385.00 per person Euro: €460 per person	Sterling: £75.00 per pack Euro: €90 per person	Sterling: £1450 plus £50 per person Euro: €2000 plus €60 per person
		Outside the EEA
		Contact e-Ready Building 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 seminar in the following ways:
• by telephone: +44 (0) 113 232 3721
• by e-mailing your requirements to *mike.gilmore@e-readybuilding.com*

The Cabling Partnership
P.O.Box MT65, Leeds, LS17 8YD, United Kingdom
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AGENDA

0900 hrs — Registration and Refreshments

0925 hrs — Introduction

Design Issues

0930 hrs — Overview

- augmented Cat. 6, Cat. 6_A and Cat. 7_A
- OM4
- optical fibre Categories as cabled product
- emphasis on plastic optical fibre
- evolution of parallel optics for 40GbE and 100GbE
- wider application of MICE

Infrastructure Design Standards Activity

1015 hrs — US Standards

- ANSI/TIA-568-C:2009
- ANSI/TIA-1005:2009
- ANSI/TIA-570-B
- TIA-TSB-185

International Standards

- Standards
  - ISO/IEC 11801, 15018 and 24702
- Technical Reports
  - ISO/IEC TR 29125, TR 29106, TR 24750
  - ISO/IEC TR 24704

European Standards

- Standards
  - EN 50173-1, EN 50173-2, -3 and -4
- Technical Reports
  - CLC TR 50173-99-1, 50173-99-2,50173-99-3
  - CLC TR 50173-99-4

British Standards

- BS EN 50173 series
- BS PD CLC TR 50173-99-1
- the use of National Forewords

1100 hrs — Break

Data Centre Activity

1115 hrs — United States

- ANSI/TIA-942

International Standards

- ISO/IEC TR 24764

European Standards

- EN 50173-5
- EN 50600

Energy Efficiency

- CLC BT WG132-3
- EU Code of Conduct
- ETSI
- CRC
- ISO/IEC JTC1 Study Group

1230 hrs — Lunch

Installation Issues

1330 hrs — Overview

- cabling segregation - telecoms and power supply
- screening effectiveness of cable management
- bonding for equipotentiality
- earthing of cabinets
- administration and identifiers

Infrastructure Installation Standards Activity

1400 hrs — US Standards

- ANSI/TIA-569-B
- ANSI/TIA-758-A
- ANSI/TIA-606-A
- ANSI-J-STD-607-A

International Standards

- ISO/IEC 14763-2
- ISO/IEC TR 14763-2-1

European Standards

- EN 50174-1, EN 50174-2 and EN 50174-3
- EN 50310
- HD 60364 series

British Standards

- BS 6701
- BS 7671
- BS 8492
- BS EN 50174 series
- BS EN 50310
- the use of National Forewords

1500 hrs — Break

Procurement Initiatives

1515 hrs — Standardisation Silo

- Spheres of influence
  - North American
  - international
  - European
  - national
- Boundary conditions

Specification Development

- division of responsibilities
  - design, planning, installation
- the pre-eminence of electrical wiring standards

Tender Responses

- the pre-eminence of electrical wiring standards
- latent linkages

Support and Assistance

- FIA TSDs and White Papers
- TIA-B IANs
- TIA-B SIDs
- iQuAstor

1630 hrs — Close

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