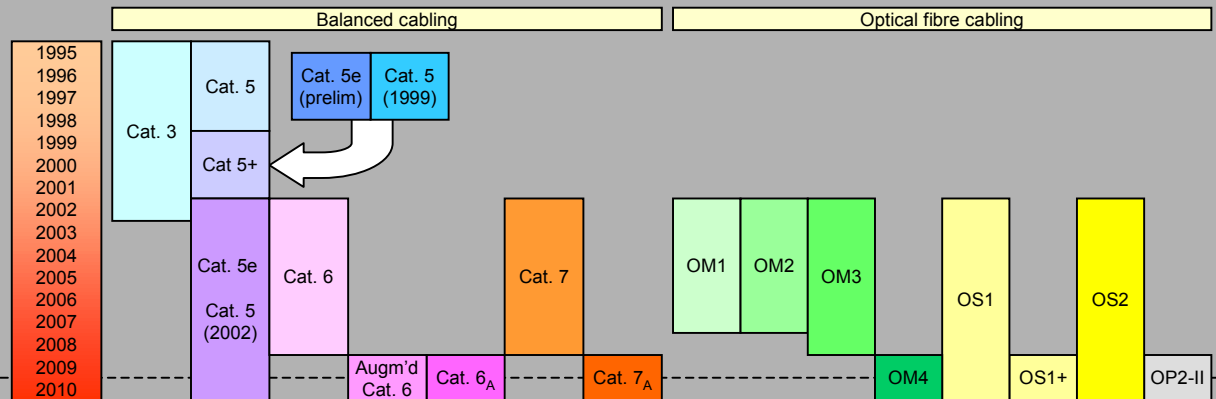


SPECIFYING CABLING INFRASTRUCTURES FOR 2010

OM4 - One more "roll of the dice" or the "end of the road" for multimode optical fibre?

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

BACKGROUND



Changes in the options for infrastructure selection in the balanced cabling world have been well advertised - Category 6A (or Augmented Category 6 may replace Category 6 and Category 7A may oust Category 7 but it is clear that Category 5e (Cat 5:2002) still has a role to play.

However, much more fundamental changes may be about to take place in the world of optical fibre - leading us to question whether multimode optical fibre has come to the end of the road as a strategic implementation option.

There has always been a body of opinion that suggested that optical fibre cabling would never be truly generic until singlemode options became dominant. However, the differential cost of equipment always supported multimode implementations - leading to the OM1, OM2, OM3 standards and the current proposals for OM4.

The time has now come to consider not whether OM3 (or OM4) is of real value for next generation 40Gb/s and 100Gb/s backbones but rather if multimode optical fibre has any real future for high-end users.

At the same time, new ideas for FTTH implementations may squeeze all-silica multimode optical out of the home distribution network - leaving the way open for high bandwidth plastic optical fibre.

In the face of these changes do we really understand how to specify the optical fibre infrastructures we will require in 2010?

THE SEMINAR

The seminar begins by reviewing how to specify optical fibre cabling today covering the differences between fibre and cable specifications, the contents of the existing standards and how they should be used.

The seminar then explores applications from 1Gb/s to 100 Gb/s, assesses infrastructure options and overall implementation costs.

Moving on to singlemode technologies, the seminar explains and then simplifies the 17 variants currently specified by ITU, mapping them on to more accessible standards produced by IEC, EN and BS. The entire process of singlemode cabling specification and installation is addressed - looking at all the components to be used, the processes and the testing involved.

Finally, the seminar looks at the latest trends in standardisation for balanced and plastic optical fibre cabling.

Prepared and presented 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	Specifiers, suppliers and installers of telecommunications cabling infrastructures

SCHEDULE Q2, 2008	MANCHESTER	15th April 2008	Salford Quays
	LONDON	17th April 2008	The IET, Savoy Place
In addition to the scheduled dates shown above it is possible to arrange on-site training to suit specific requirements			

Discounts available to members of TIA-B hosts

TELECOMMUNICATIONS INFRASTRUCTURE ADVISORY BOARD



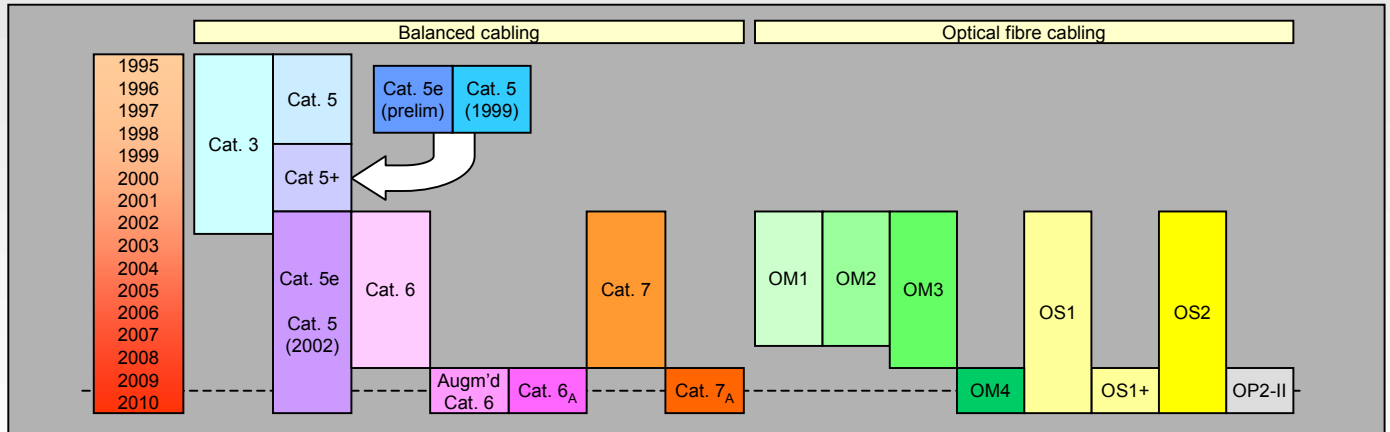
... for pricing and how to book? ...
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AGENDA

0930 hrs	Introduction
	A History Lesson
0940 hrs	Optical fibre
	<ul style="list-style-type: none"> • Test methods: IEC 60793-1-x • Product standards <ul style="list-style-type: none"> • MMF: ITU-T G.651 and IEC 60793-2-xx • SMF: ITU-T G.65x and IEC 60793-2-50
1030 hrs	Optical fibre cable
	<ul style="list-style-type: none"> • Test methods: IEC 60794-1-x • ITU-T cable standards <ul style="list-style-type: none"> • ITU-T G.65x • BS EN and IEC cable standards <ul style="list-style-type: none"> • Indoor: IEC 60794-2-10/20/30/40 • Outdoor: IEC 60794-3-10/20/30/40/50/60
The Influence of Structured Cabling	
1100 hrs	Published cable requirements
	<ul style="list-style-type: none"> • ISO/IEC 11801 and BS EN 50173-1 <ul style="list-style-type: none"> • OM1, OM2, OM3 and OS1 • ISO/IEC 24702 and BS EN 50173-1 <ul style="list-style-type: none"> • OS2, OP1, OP2 and OH1
1115 hrs	Break
1145 hrs	Published cable standards
	<ul style="list-style-type: none"> • Indoor cables <ul style="list-style-type: none"> • BS EN (IEC) 60794-2-11, -21 and -31 • Outdoor cables <ul style="list-style-type: none"> • BS EN (IEC) 60794-3-12 and -21
1200 hrs	Channels and application support
	<ul style="list-style-type: none"> • OF-xxxx channels • application mapping
1225 hrs	Proposed cable requirements
	<ul style="list-style-type: none"> • OM4 • OS1+ • OP2-II - the future of POF?
1245 hrs	Lunch

The Future	
1345 hrs	The promise of OM4!
	<ul style="list-style-type: none"> • Improved application support <ul style="list-style-type: none"> • 1000BASE-SX, 10GBASE-SR/SW <ul style="list-style-type: none"> • greater distance? • 40Gb/s and 100Gb/s Ethernet • Fibre Channel <ul style="list-style-type: none"> • reduced optical fibre usage?
1400 hrs	Cost modelling SM and MM
	<ul style="list-style-type: none"> • Singlemode vs. OM3 and OM4 • Real costs vs relative costs • Equipment trends • The impact of "dark fibre"
1440 hrs	Getting serious about singlemode
	<ul style="list-style-type: none"> • Which singlemode solution? <ul style="list-style-type: none"> • creation of valid transmission channels <ul style="list-style-type: none"> • using OS1+ with OS2 • Connectivity - splicing • Managing return loss • Simplified testing
1500 hrs	Break
1515 hrs	Infrastructure design strategies
	<ul style="list-style-type: none"> • Application horizons • Horizontal infrastructure: 1 GbE or 10 GbE <ul style="list-style-type: none"> • Cat. 5e (Class D) • Augmented Category 6 (or Class E_A) • Backbone infrastructure and data centres <ul style="list-style-type: none"> • 10 GbE, 40 GbE or 100 GbE • transition from MMF to SMF
1615 hrs	Tender design strategies
	<ul style="list-style-type: none"> • Designing with US standards • Designing with international, European standards • Installing in the UK
1630 hrs	Close

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COSTS		
Scheduled Courses	On-site Training (UK)	Service Packs
Basic rates	Sterling: £1450 plus £50 per person Euro: €2000 plus €75 per person	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: €112 per person
Sterling: £385.00 per person Euro: €520 per person		
ECA-ITEC and CMA members	On-site Training (outside the UK)	
Sterling: £350.00 per person	Contact The Cabling Partnership for details	
FIA members		
Sterling: £315.00 per person		

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

MANCHESTER	Date: 15th April 2008	No. of places required			
	Location: Salford Quays	Service pack required	YES		NO
LONDON	Date: 17th April 2008	No. of places required			
	Location: IET, Savoy Place	Service pack required	YES		NO

MY DETAILS

COMPANY NAME					
COMPANY ADDRESS					
	CITY		POST/ZIPCODE		
TELEPHONE					
FAX					
RESERVATION MADE BY					
e-MAIL ADDRESS					

SIGNED	
DATED	