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LAN Application Support Guide Gets Underway

The most significant FIA guidance document since the publication of BS 7718 began its development phase at the inaugural meeting of the LAN Application Support Guide (LAN ASG) Project Team at the Burleigh Court Country Hotel in Stroud in the middle of July.

The meeting was chaired by the Technical Director of the FIA, Mike Gilmore (Senior Partner of The Cabling Partnership) and those attending were handed the first PT Draft of the LAN ASG. The document reflects the changes in the LAN environment since the publication of BS 7718 (as the "FIA Code of Practice for the Installation of Fibre Optic Cabling" in 1991) and provides substantially more design and implementation guidance.

Modal bandwidth limits are of particular importance and the growth in the use of single-mode optical fibre is also covered. The next meeting takes place in September and it is hoped that the document will be published (free-of-charge to members) on the Members-Only area of the web-site at the end of November.

Members of the Project Team include:

Rob Cardigan	Engineering Manager, Molex Premise Networks
John Cupitt	Data Networks Manager, Dwellight Limited
Richard Ednay	Managing Director, Optica Technology Training
Sydney Hogg	Managing Director, Computercraft
Matias Peluffo	Lucent, Eire
Mike Phillips	Managing Director, FOSL and Chairman, FIA
David Smith	Field Sales Manager, Hirose
Stuart Smith	Senior Consultant, Cabling Science Limited and Training and Qualifications Director, FIA
Steve Strange	Technical Sales Manager, Anixter
Tom Wilson	Senior Systems Engineer, Stiell Networks

If readers wish to become involved in this project please contact the Technical Director (Mike.Gilmore@BTInternet.com).

Watch this space for updates!

Innovative Clusters Fund (ICF)

The Secretary of State for Trade and Industry, Stephen Byers, announced in March that a new £50M Innovative Clusters Fund (ICF) was to be established to enable Regional Development Agencies (RDAs) to support clusters, including business incubation. The new fund will operate over the financial years 2000-01 and 2001-02. Funding of £1.66M for each English Region has been confirmed for both years. Additional funding may become available in 2001-2.

According to the West Midlands Development Agency, ICF proposals have been sought from RDAs that complement their Regional Economic and Innovation Strategies through facilitating the establishment of innovative sectoral and geographic networks supporting excellence across the range of activities identified in these strategies.

FIBREOPTIC INDUSTRY ASSOCIATION

Management Council

Mike Phillips - Chairman
(Fibre Optic Solutions)

Andrew Watson - Vice Chairman and Commercial
(Molex Premise Networks)

Mike Gilmore - Technical Director and Treasurer
(The Cabling Partnership)

Industry Sector Directors

Paul Bateson - Test & Measurement
(Optical Test and Calibration)

Stuart Smith - Training and Qualifications
(Cabling Science Ltd. (co-opted))

Steve Strange
(Anixter (UK))

Peter Thompsett - Installation
(Ensign Communications)

Secretary: Lady Helen Long
FIA Administrator: Jane Morrison

The FIA is a Company Limited by Guarantee

A warm welcome to the following NEW MEMBERS

Corporate

Datatech Ltd (429)

OAC Services (430)

Cabling Science Ltd. (431)

ASEAS UK Ltd. (432)

These would include business incubators and cluster initiatives to promote access to new technologies, ICT, and other centres of excellence. Particular emphasis will be placed on operations that:

- are linked to developing the eight new and existing sectors identified within the West Midlands Economic Strategy (WMES)
- assist the creation of high technology clusters as a means of repositioning the West Midlands regional economy toward higher value added economic activity.

Capital funding to a value of £1.66 Million is being made available to part fund suitable proposals contributing to these objectives. Eligible expenditure includes:

- land, building and construction;
- computer and IT systems (including software assets and development);
- furniture and office machinery;
- vehicles;
- intellectual property rights (subject to DTI Approval that these can be capitalised).

Advantage West Midlands should now have approached companies in its region who are interested in participating in the initiative and it is hoped that a 'cluster' of FIA members are involved.

Innovative thinking and imaginative solutions are encouraged involving a range of linked services with, for example, the capital element coming from the ICF and the non-capital elements coming from the other funding streams/sources.

Second year funding of a minimum of £1.66m per region is anticipated.

Further information can be obtained by emailing to monicalunn@advantagewm.co.uk.

Rakmulti Gains FIA Approved Installer Status

- but see STOP PRESS

Established in 1989, Rakmulti Technology Ltd (RAKMULTI) is the latest member to be awarded **FIA Approved Installer** status.



The company provides independent, unbiased and specialist communication consultancy and systems engineering support to the MoD, its Prime Contractors, other UK Government Agencies & Commercial organisations and the NATO C3 Agency.

Since its formation, the company has enjoyed continuous expansion to become a substantial commercial organisation whilst retaining its core elements of efficiency and flexibility. Its continuing aim is to deliver cost effective and quality solutions.

Experience

RAKMULTI has considerable experience with defence and commercial contracts as a prime and sub-contractor with both UK and overseas partners. Being totally independent, it guarantees

unbiased and confidential specialist advice over the whole range of communications techniques and products, as well as offering design, project management and support services.

The company's engineers, recruited predominantly from the Armed Forces and the defence industry, are experienced in project management, installation, Setting-to-Work, Rapid Response Field Service Support, operational support, technical investigations and Trials & Evaluation across the whole spectrum of Royal Navy communication systems and infrastructure. They provide a range of practical skills in systems management, technical services, support and commercial & military fibre-optic techniques and installation.

Government Approved

RAKMULTI, a government approved contractor, is certified to BS EN ISO 9001: 1994 for Design, Installation and Technical Support Services, including the production of support documentation and schedules for communications, data handling systems and equipment.

Technical services

Among the range of technical services offered by the company are the following:

- Hybrid industrial unit
 - approximately 4000 square feet Government approved office, workshops, laboratory and equipment/system assembly space
 - external land and large vehicle access
- Design and installation to Tempest standards
 - specification
 - drawings
 - planning
- IT Networks: Design, installation and test using:
 - Blown Fibre cabling
 - copper cabling (CAT5/6)
 - wireless LANs
- Radio
 - SHF, UHF, VHF, HF and VLF
- CCTV Security Systems and Access Control
- System design, definition and specification, including assembly and wiring of specialist racking
- PCB sourcing and population for prototypes
- Acceptance planning and presentation of trials
- Handbooks - equipment/system
- Electrical equipment safety testing
- CAD
 - AutoCAD 2000
 - Electronic schematic/PCB/simulation tools
- Extensive support capabilities

For further details, contact the Hampshire-based company on: Tel: +44 (0)1489 896919 or Fax: +44 (0)1489 896910

Stop Press

Just as this Newsletter was going to press, it was announced that Serco Ltd has acquired RAKMULTI and the company will now trade as Serco Rakmulti - a service provision of Serco.

This acquisition will have no effect on the Approved Installer status of the company.

ASM Looks East - and Gets a Winner

Following the successful completion of a prestigious voice and data network cabling contract at Aberdeen Airport, Accommodation Services Management Ltd decided to look further afield for a similar project. Success came in the form of an opportunity on the island of Mauritius that is temptingly surrounded by the blue waters of the Indian Ocean.

ASM is again working with Milgo Solutions Ltd and has already completed Phase 1 of a major structured cabling contract at Sir Seewoosagar Ramgoolam International Airport on the island.

Since the agreement was signed between the Government of Mauritius and BAA in March 1999, considerable redevelopment of the Terminal Building has taken place and, by September 2000, this phase of the building work at the airport will be completed to world-class standards. The construction work is being undertaken by a large local building and civil engineering company, with some 400 staff presently working to deliver several of the project's major milestones.

Imported

Specialist suppliers have been imported to the project with Milgo having been selected to provide the data communications infrastructure services. In turn, ASM has been contracted to carry out the supervision, co-ordination, inspection and testing of the installation. This supports the many and varied services operated within the airport complex by both the SSR Airport authorities and third-party service providers.

Four Nodes

A total of four distribution nodes have been sited in the Terminal Building and these are interconnected by a kilometre of fibre-optic backbone cables. The cable terminations are fusion-spliced pigtailed and these have been individually tested to ensure the integrity of the system. Also to be installed is some 40 kilometres of enhanced Category 5 cable with 200 pair voice cable installed in each node room to provide voice integration to the floor outlets.

Phase 2 of the network cabling contract commenced soon after ASM's team of technicians assembled towards the end of June.

Effort

ASM's managing director, Frank Maughan, comments: 'Once again we have successfully demonstrated our ability to undertake a complex project in a remote location. The professionalism and commitment shown by our staff has been recognised in a letter from the airport authority that recognises the impressive effort that went in to the completion of the World Duty Free shopping area within an extremely tight deadline.'

MTRJ - Outstanding SFF Connectivity

The issue of fibre-to-the-desktop is a constant topic of conversation. Molex Premise Networks today launches the MTRJ Product Range, a Small Form Factor ideal for fibre-to-the-desk applications.

The Molex polish-less MTRJ connector, is the latest development in small form factor connectors and handles two fibres within a single, pre-polished, polymer ferrule. The MTRJ connector provides both excellent fibre retention and stability, two key

considerations when selecting structured cabling components - particularly fibre. Notably, the MTRJ reduces the space required for active equipment, panels, wallplates and enclosures by an incredible 50% throughout the network.

The extensive MTRJ product range consists of field mountable connectors and tooling; factory mountable connectors; duplex adapters for MTRJ cut-outs; simplex SC cut-outs; duplex MTRJ patch cords; hybrid patch cords and all associated patch panels and enclosures.

For further information, please visit Molex Premise Networks' web site: www.molexpn.com

Have You Got Your Copy?

The FIA's latest *Guide to Members' Products and Services* has just been published. Although we hope that all our members have received a copy, please call, fax or e-mail the Secretariat if yours is missing.



The 72pp booklet is a mine of useful information about the Association's membership and we will be delighted to send you further copies if other staff members or your customers would like one.

Breakfast Seminars

The **FIA Breakfast Seminar** programme has achieved further success following a very comprehensive presentation by one of the members of the FIA Council.

Paul Bateson, who is also Marketing Director of Optical Test and Calibration Ltd, covered a wide range of testing procedures, standards and equipment types in relation to the constantly changing needs of the industry.

Members involved in testing fibre optic networks attended what was the second of four seminars and a lively question and answer session was one of the features of the event.

This is an emerging pattern seen from the seminars held so far.

Their format, for example, has allowed participants to ask direct questions, receive sound advice and gain a good understanding

of any implications. They have also had the time to share common experiences and build relationships.



Bisham Abbey - Run by Sport England

With the increasing mobility of members and the increased difficulty in contacting people, the seminars have proved a popular way of solving issues, gaining new contacts and identifying suitable information sources - all without disrupting a whole day's business.

For the second half of this year two further seminars have been organised.

On **Wednesday, 20th September**, **RCDD Training programme, qualifications and training trends** will be discussed by Andrew Stevens, Sales and Marketing Director, of CableNet while, at the same event, Mike Gilmore, Technical Director of the FIA, will introduce the **FIA's SkillsMatch Scheme and the Association's Approach to Training and Qualifications**.

On **Wednesday, 6th December**, Dr Chris Boorman, Marketing Director, Europe of VERITAS Software will be discussing the **Opportunities in Storage Area Networks and Fibre Channel - an emerging market which is increasingly fibre rich**.

It is also proposed that the **FIA AGM** will follow the 6th December Seminar. All seminars are being held at Bisham Abbey, the home of the England football team's training ground and a fitting environment to finish the year's prime activities.

Why not attend both events and make the most of the occasion? **Call the FIA Secretariat and BOOK NOW.**

Visit the 'new look' FIA Web-site (www.fibreoptic.org.uk) for copies of previous presentations and up-to-date information on all the FIA's activities.

The events are sponsored by **3M Telecom Systems, Volition™ Network Solutions.**

Put these dates in your diary now!!!

Quatrix Takes the Plunge

FIA member Quatrix Communications has announced the completion of a business transaction designed to ensure the provision of an environment and resources for the company to meet its long-term development goals and establish the

organisation as a major player in the network integration services market place.

On the 26th June 2000, Quatrix became a founder member of Mettoni Group Plc. On the same date, Mettoni Group plc was admitted on to the Alternative Investment Market of the London Stock Exchange (AIM) enabling trading of the Company's Ordinary Shares to take place.

Quatrix founders Steve Driskel (Quatrix Managing Director) and Stuart Prime (Quatrix Finance Director) will remain at the helm of Quatrix and have committed to the long-term development of the company within the Mettoni Group - leveraging off the unique benefits which Mettoni Group membership brings to Quatrix.

Mettoni Group Plc. has been established to create a group of companies specialising in the provision of network solutions and is headed up by Robert Arrowsmith (Mettoni Group plc Managing Director). "We are pleased to welcome Quatrix as a founder member of the Mettoni Group" he said, "for which the objective of the Mettoni Directors is to create, through acquisition and organic growth, an international group of companies specialising in the design, deployment, monitoring and security of networks".

Quatrix will retain its current trading style and brand within the new Group for which further acquisitions are planned to create a network of international sister companies. This will bring the benefits of an international delivery and support infrastructure to Quatrix, access to wider markets for its products and services through other Group companies, and access to an enhanced range of products and services through other Group companies

Steve Driskel says that "this exciting development provides the environment and support resources with which we can move Quatrix and our business partners forward in line with our long term strategic objectives to create a major force in the network integration services marketplace". Additional information is available on the company's web site at www.quatrix.co.uk. The company's telephone number is 0116 250 4023 or you can send an email to aoshaughnessy@quatrix.co.uk.

Rapid Positioning Clip

Although the manufacturer involved is not a member of the FIA, this product seems to be a good and very simple idea.



Certainly, staying competitive in today's fast moving building industry often requires the ability to do a good job that meets

impossible deadlines with small profit margins! So, a good installation engineer is always on the look out for labour saving devices that will reduce time and expense - as well as making his job easier.

The **Rapid Positioning Clip** and **Studding Clip** have been evolved to meet these increasing demands - easy, fast, single-handed fixing which saves time and money. Both are lightweight but combine strength and ease of installation, with a fitting time of seven seconds over the traditional clamp that takes two and a half minutes per metre.

1-Piece Moulding

Claimed to be unique, these 1-piece moulded products have a number of applications in the electrical as well as air conditioning and refrigeration industries. They remove the need for cable ties or screwdrivers and simply twist into place forming a one piece clamp that holds firm without tightening around cable or pipework.

Quick and simple to use, the studding clips fit conventional 10mm and 12mm (European standard) and 3/8in. (US standard) studding, making a firm, solid connection that can, if required, be manually adjusted for fine tuning.

Temperature Range

Manufactured from a composite polyamide (nylon) alloy, the clips are capable of functioning within a temperature range from -40°C to +140°C. Resistance to stress-cracking is greater than standard polyamides with superior impact strength. The RPC and Studding Clip have a melting point of 220°C with an UL rating of HB.

Excellent pull and slip tests were achieved at the Unistrut Laboratories, with results well in excess of standard requirements. Perpendicular pull tests on the RPC Clip gave results between 80kg and 107kg. Vertical weight holding gave results between 7kg and 15kg.

For further information, call RPC on +44 (0)1420 472612 or fax: +44 (0)1420 472463.

Two New Telephony Courses from CableNet

FIA member CableNet Training has launched two new telephony courses, one covering telephone cable installation and testing, and the other focussing on the protocols and practices of ISDN.

Titled **Voice Cabling & Key Systems**, the first of the 2-day courses covers the installation and testing of voice grade cable and provides an overview of key systems facilities such as Callback and DDI. Designed as an introductory programme to telephony, no previous experience is required to attend the course. On successful completion, delegates will have the knowledge and skills to undertake the installation and testing of a wide range of telephone networks and exchange systems.

The second course covers the concepts, terminology and essential standards-based techniques used for installing and configuring ISDN systems. The programme, designed for experienced telecomms engineers, concentrates on the customer side of ISDN and includes an overview of PBX.

Either course can be attended at CableNet's headquarters in Bury St Edmunds or at the company's Wirral location.

For course prices, dates and further details contact CableNet on 01284 767100 or visit its web-site at: www.cablenet-training.com.

Guide to Forthcoming Shows and Conferences

European Conference on Optical Communications Hamburg
4-6 September 2000

Call Nexus Media on +44 (0)1322 660070

Performance Engineering in Mobile Networks Geneva 4-6
September 2000

Bandwidth Trading and Commoditization New York 12-14
September 2000

Measurement and Management in DWDM Brussels 17-19
October 2000

The 4th Annual Access Technologies Conference Barcelona
23-27 October 2000

For the above four events call Vision in Business

Tel: +44 (0)20 7839 8391 Fax: +44 (0) 20 7839 3777

Email: booking@visioninbusiness.com

Web: www.visioninbusiness.com

The European IT Forum 2000 Monaco 11-13 September 2000

Check web site www.emea.idc.com/forum/forum2000

The 7th Annual Asia Pacific Fibre Optics Conference 2000
(Supported by the FIA)

Hong Kong 20-21 September 2000. Covering Market Issues; Asia Pacific Fibre-Optic Updates; Fibre-Optics Technology & Application; Optical Network Protection, Management and Restoration; Competing or Complimentary Technology.

Brochures for this event are available from the FIA Secretariat and 10% discount is available to FIA members

Tel: (55) 732 1970 or 835 5139 Fax: (55) 733 5087 or 736 4312

Email: julia.ho@ibcasia.com.sg

Web: www.abc-asia.com/registryform.htm

Network+Interop Atlanta USA 25-29 September 2000

Call ZX Comdex on +44 (0)1325 340222

TMA 2000 Exhibition and Conference Brighton 9-11 October
2000

Call TMA Ventures on +44 (0)1732 361000 or access

www.tma2000.co.uk

Global Telecommunications Conference San Francisco 27
November - 16 December 2000

Call the IEEE Communications Society on +1 212 705 8941

TRAINING PROVIDERS WITHIN THE FIA

(Request 18pp Training Guide from Secretariat for further details)

Brand-Rex Ltd

Chester Road, HELSBY, Warrington, Cheshire, WA6 0DJ, UK.

Tel: 01928 728244 Fax: 01928 728301

Email: ITORR@brand-rex.com

Web: www.brand-rex.com

COURSE 1: Optical Fibre – Practical Cost: Around £195 + VAT per day - 1, 2 or 3 days

COURSE 2: Category 5 Cabling - Practical Cost: Around £195 per day - 2 days

FORM OF QUALIFICATION: In-house certificate

Cable Television & Telephony Training Services Ltd

FIA Approved - Level 1

300 Skellingthorpe Road, LINCOLN, Lincolnshire, LN6 0EX, UK.

Tel: 01522 880900 Fax: 01522 880901

Email: martyn.cook@cable-training.co.uk

Web: www.cable-training.co.uk

COURSE 1: Careers in Cable (Delivered in six modules) Cost: Around £998 incl. VAT – 10 days

FORM OF QUALIFICATION: National Open College Network (OCN)/BTEC North East Midlands Accreditation Partnership (NEMAP) two credits to Level 2

COURSE 2: Telecommunications Vocational Standards Council SVC2 NVQ Underpinning Knowledge. Termination of fibre optical and copper links Cost: Around £99.80 incl. VAT per day

FORM OF QUALIFICATION: NVQ Level 2

CableNet Training Services Ltd

FIA Approved - Level 1

National Training Centre, 2 Northgate Avenue, Bury St Edmunds, Suffolk, IP32 6BB, UK.

Tel: 01284 767100 Fax: 01284 767500

Email: enq@cablenet-training.com

Web: www.cablenet-training.com

also at

Suite 3, Albans House, 40 Lynchford Road, Farnborough, Hampshire, GU14 6EF, UK

Tel: 01252 540466 Fax: 01252 542466

COURSES 1 & 2: Multimode Fibre Optics Installation & Testing - C&G 3466-02 and Approved for 34 hours BICSI continuing education credit - 5 days & Single-mode Fibre Optics Installation C&G 3466-03 and Approved for 34 hours BICSI continuing education credit - 5 days

Cost: Around £940 + VAT per course

COURSE 3: Fibre Optic Termination - 1 day.

Costs: Around £275 + VAT

COURSE 4: Datacommunications Cabling C&G 3466-04 and Approved for 37 hours BICSI continuing education credit - 5 days.

Cost: Around £940 + VAT

COURSE 5: Structured Cabling Installation - 2 days Cost: Around £450 + VAT

COURSE 6: LAN Design & Implementation - 5 days Cost: Around £940 + VAT per course

COURSE 7: CATV & Telecomms - 5 day Cost: Around £940 + VAT

COURSE 8: BICSI PROGRAMMES Three courses at three levels - Apprentice, Installer and Technician **Cost:** Around £940 + VAT per course

COURSE 9: RCDD Registered Communications Distribution Designer- 9 days plus home study leading to RCDD status Cost: On application

The Cabling Partnership

PO Box MT 65, LEEDS, LS17 8YD, UK.

Tel: 0113 232 3721 Fax: 0113 232 3724

Email: Mike.Gilmore@BTInternet.com

Web: www.it-cabling.com

COURSE TITLE: All training provided by The Cabling Partnership is customer-specific. The company being trained sets the agenda **Cost:** Around £260 per person per day. Duration depends on customer requirements

FORM OF QUALIFICATION In-house

Devonport Training for Quality

Phase 2, Kings Road, DEVONPORT, Plymouth, Devon, PL1 5QG, UK.

Tel: 01752 305330 Fax: 01752 305824

Email: dtq@pcf.plymouth.ac.uk

COURSE TITLE: Fibre Optic for Technicians

Cost: Around £550 + VAT – 5 days

FORM OF QUALIFICATION: DTQ certificate

Fujikura Europe Ltd

FIA Approved – Levels 1 and 2

C51 Barwell Business Park, Leatherhead Road, Chessington, Surrey, KT9 2NY, UK.

Tel: 0181 240 2000 Fax: 0181 240 2010

Email: sales@fujikura.co.uk

Training Centres are at Westbury in Wiltshire and Chessington, Surrey

COURSE 1: Fibre Optic Termination - MT-RJ Connector

Cost: Around £850 + VAT - 3 days

COURSE 2: Fibre Optic Installation & Testing - Single Mode C&G 3466-03

COURSE 3: Fibre Optic Installation & Testing - Multimode C&G 3466-02

Cost: Courses 2 & 3 Around £850 + VAT each (5 days) or £1415 + VAT for both

COURSE 4: Advanced OTDR Testing

Cost: £550 + VAT - 3 days

COURSE 5: Advanced Fibre Optic Test & Measurement

Cost: Around £850 + VAT - 5 days

COURSE 5: Bespoke Training Time and cost variable

Highbury College Portsmouth

School of Electronics and Electrical Engineering, Dovercourt Road, Cosham, PORTSMOUTH, Hampshire, PO6 2SA, UK.

Tel: 01705 313206 Fax: 01705 210636

Email: training@highbury.ac.uk

COURSE TITLE: Fibre Optics Technology & Application – 4/5 days

Cost: Around £550 + VAT

FORM OF QUALIFICATION

City & Guilds 3466 plus a Highbury College certificate

Light Networking

40 Ravenswood Drive, Shawlands, GLASGOW, G41 3QS, UK.

Tel: 0141 632 7338 Fax: 0141 632 7338

COURSE 1: Fibre Optics for Installers - 5 Days, 4 People Cost: Around £498 + VAT for a 3-day course.

COURSE 2: Fibre Optic Installers Appreciation Course - 4 Days, 20 People Cost: Contact Light Networking

COURSE 3: Fibre Optics for Engineers - 4 days, 12 People. Held at City University, London; in Glasgow; Manchester and in

Stevenage **Cost:** Around £920 + VAT for a 4-day course. Discount for pre-payment.

COURSE 4: Introduction to Fibre Optics 1 or 2 days **COST** around £189 + VAT

Lineartron Cabling Systems Ltd

Lineartron House, 7 Black Moor Road, Ebblake Industrial Estate, VERWOOD, Dorset, BH31 6AX, UK.

Tel: 01202 828001 Fax: 01202 828089

Email: sales@lineartron.co.uk

Web: www.lineartron.co.uk

COURSE TITLE: Fibre Optic Cabling - Practical Skills and Training - 3 days **Cost:** Around £750 + VAT

FORM OF QUALIFICATION: In-house

Motherwell College

Dalzell Drive, MOTHERWELL, North Lanarkshire, ML1 2DD, UK.

Tel: 01698 232323 Fax: 01689 275430

COURSE 1: Fibre Application and Data Transmission - Unit No. 8540307 **Cost:** Around £230 + VAT for a 7-day course.

Class sizes no higher than 10

FORM OF QUALIFICATION: Higher National Certificate from SQA

COURSE 2: Principles of Optical Fibre - Unit No. 3471577 **Cost:** Around £230 + VAT for a 7-day course. Class sizes no higher than 10

FORM OF QUALIFICATION: Higher National Certificate from SQA

Optical Technology Training Ltd.

Gargrave Road, Broughton, Skipton, North Yorkshire, BD23 3AW, UK.

Tel: 01756 797155 Fax 01756 797112

Email: sales@ott.co.uk

Website: www.ott.co.uk

The following courses are delivered at the main OTT training centre in Skipton on the edge of the Yorkshire Dales. Apart from the C&G3466.04 they are also run at locations throughout the UK and may also be delivered on your site for groups of six delegates – call for prices.

COURSE 1: C&G 3466.02 Fibre Optic Installation & Testing (Multimode) - 5 days **Cost:** £900 +VAT (Skipton) ,£1,000 + VAT (elsewhere in UK)

COURSE 2: C&G 3466.03 Fibre Optic Installation & Testing (Singlemode) - 5 days **Cost:** £900 +VAT (Skipton) ,£1,000 + VAT (elsewhere in UK)

COURSE 3: C&G 3466.04 Datacomms Cabling Installation & Testing (Copper) - 5 days **Cost:** £900 +VAT (Skipton)

COURSE 4: Advanced OTDR Testing & Documentation - 2 days **Cost:** £450 + VAT (Skipton), £500 + VAT (elsewhere in UK)

COURSE 5: Advanced Copper Datacomms Testing - 2 days **Cost:** £450 + VAT (Skipton), £500 + VAT (elsewhere in UK)

COURSE 6: Overseeing External Communications Cable Installations - 2 days **Cost:** £450 + VAT (Skipton), £500 + VAT (elsewhere in UK)

COURSE 7: OTDR Testing - 1 day **Cost:** £225 + VAT (Skipton), £450 + VAT (elsewhere in UK)

COURSE 8: Health & Safety Issues & Laser Legislation - 1 day **Cost:** £225 + VAT (Skipton), £450 + VAT (elsewhere in UK)

COURSE 9: Introduction to Fibre Optics Termination - 1 day **Cost:** £225 + VAT (Skipton), £450 + VAT (elsewhere in UK)

COURSE 10: Introduction to Fibre Optics Splicing and Testing - 1 day **Cost:** £225 + VAT (Skipton), £450 + VAT (elsewhere in UK)

COURSE 11: Introduction to Structured Cabling Systems - 1 day **Cost:** £225 + VAT (Skipton), £450 + VAT (elsewhere in UK)

COURSE 12: Introduction to Datacomms Systems - 1 day **Cost:** £225 + VAT (Skipton), £450 + VAT (elsewhere in UK)

Optical Training Sales & Services

FIA Approved - Level 2

Technical Training Bureau, 37 Fulmar Drive, EAST GRINSTEAD, West Sussex, RH19 3NN, UK.

Tel: 01342 300350 Fax: 01342 300350

Email: Tonywotss@aol.com

COURSE 1: Design and Installation of a Fibre Optic Link - 2 days **Cost:** Around £438 + VAT

FORM OF QUALIFICATION: In-house plus NVQs

COURSE 2: Basic Skills in Installing a Fibre Optic Link - 3 days **Cost:** Around £498 + VAT

FORM OF QUALIFICATION: In-house plus NVQ Levels 1 and 2 assessment

Redcar & Cleveland College

Corporation Road, REDCAR. Redcar & Cleveland, TS10 1EZ, UK.

Tel: 01642 473132 Fax: 01642 490856

Email: clived@.ac.uk

Web: www.cleveland.ac.uk

COURSE 1: Fibre Optic Installation & Testing

Cost: Around £920 - VAT non-applicable – 5 days

FORM OF QUALIFICATION: C&G3466 – 02 Multimode; – 03 Singlemode

COURSE 2: Introduction to Fibre Optics – **Cost:** Around £100 - VAT non-applicable – 1 day

COURSE 3: Fibre Testing **Cost:** Around £580 - VAT non-applicable – 2 days

COURSE 4: Maintenance of Fibre Optics **Cost:** Around £590 - VAT non-applicable – 2 days

COURSE 5: FDDI **Cost:** Around £600 - VAT non-applicable – 2 days

COURSE 6: TVSC NVQ Assessment in Fibre Optics – Levels 1 & 2 **Cost:** On application

COURSE 7: Structured Cabling **Cost:** Around £450 – 3 days (Ortronics recognised)

COURSE 8: Category 5 Installation **Cost:** Around £175 - VAT non-applicable – 1 day (Ortronics Recognised)

KRONE's PremisNET™ goes up a level

Returning for a while to that *other* technology, FIA member KRONE has decided to drop Cat 5 (1995) from its PremisNET solutions portfolio.

'Cat 5e becomes our base-level offering in the market place', says Keith Ford, KRONE's market development manager for premises networks, 'and we would not advise any user to install a structured cabling system that is not to the latest version of the specification. We offer solutions with headroom over the Cat 5e standard, and over the current draft Cat 6.'

"But the really significant change to PremisNET levels is the introduction of highly tuned 'TrueNet™ Technology' solutions giving Cat 5e and Cat 6 with the major advance of 5 years guaranteed Zero Bit Error Rate," claimed Ford.

The PremisNET brand includes KRONE's complete range of network solutions, from campus, through backbone, to horizontal distribution and covers all current and emerging standards. It is claimed to be a complete infrastructure solution, which bundles together fibre, fibre connectivity, copper cable, copper

connectivity and the KRONE warranties. When a solution is installed by a KRONE PremisNET Partner or Associate Installer the complete end-to-end link performance warranty will apply for a full twenty years.

The four new performance levels in the PremisNET portfolio will be:

PLATINUM - Cat 6T (ZEBER TII)

Category 6 solutions to the latest draft standard with KRONE Headroom, KRONE cable and close-tuned 'TrueNET' Technology impedance matching. Supporting 10BaseT, 100BaseT, Gigabit Ethernet, 155/622 ATM and beyond. With 20 year system warranty and five year Zero Bit Error Warranty (ZEBER™).

GOLD - Cat 6

Category 6 to the latest draft standards with KRONE headroom and 20 year system warranty, supported by KRONE's cable partners. Supporting 10BaseT, 100BaseT, Gigabit Ethernet, 155/622 ATM and beyond.

SILVER - Cat 5eT (ZEBER™)

Category 5e solutions with KRONE Headroom,, KRONE cable and close-tuned 'TrueNet™ Technology' impedance matching. Typically supporting 10BaseT and 100BaseT plus Gigabit Ethernet and 155/622 ATM. With 20 year system warranty and five year Zero Bit Error Rate Warranty (ZEBER™).

BRONZE - Cat 5e

Category 5e solutions with added KRONE headroom and 20 year system warranty, supported by KRONE's cable partners. Typically supporting 10BaseT and 100BaseT plus Gigabit Ethernet and 155/622 ATM.

"This up-rated set of PremisNET solutions recognises the advances in the standards, which KRONE helped to set, whilst giving our customers the choice of maximising their data throughput with the 'TrueNet Technology'. PremisNET's range of solutions gives flexibility when trying to provide the most highly cost effective fibre and copper solutions to match their budgets and technical requirements" concluded Ford. More information is available from KRONE on 01242 264444 or email contact@krone.co.uk

Value for Money Advertising on the FIA Web Site

As reported in the May/June issue of the FIA Newsletter, the FIA web site has been overhauled, updated and re-designed to make navigation and information access a lot easier. We urge you to visit the site and see for yourself the changes that have been made.

As an FIA member, your company is automatically promoted on the site. Free access to the membership search pages for all visitors to the site provides complete details of our members and the services and products that they offer.

The site is extremely popular and is often the first port of call for FIA enquiries via the Secretariat.

Recent figures received from the server show that the site has had **5,433** visitors in the last 6 months and in a recent 7 day period received **281** visitors!

You can see the statistics for yourself at www.fibreoptic.org.uk/logfile.htm.

The next stage of the web site update is to offer the new pages for advertising to our members. A list of the pages available is provided below together with the highly competitive rates for the space.

All advertisements will appear at the beginning of September and will run for one year.

The advertisements can consist of a company logo or text (or both) but must be within the size of 80 x 40 pixels. The advert will appear at or near the top of the relevant page. All prices quoted are for 12 months advertising - representing excellent value for money!

If you have a particular page you wish to reserve (there are only 20 pages available!) please ensure that the slip overleaf is returned as soon as possible. On receipt of this, we will send you instructions on how to send your advert to our webmaster together with our invoice for the relevant amount.

If you have any queries please do not hesitate to contact the FIA Secretariat.

Whole site: Home page and on every page listed below - a banner sized as **480 x 40 pixels. £1,000** - for 12 months (*note this offer will be available in January 2001 when the current advertisement from 3M expires*)

Individual pages: The following pages are available **NOW**.

About the FIA	£150
Join the FIA	£150
FIA Links	£150
FIA News	£150
FIA Membership Search Engine	£150
FIA Services	£150
FIA Policy Statements	£75
Audit Scheme	£75
Employment	£75
e-Services	£75
Events	£75
FIA Membership Fees	£75
Guidance Notes	£75
Insurance Scheme	£75
Arbitration Scheme	£75
Mart	£75
FIA SkilisMatch	£75
Standards Forum	£75

Approved Training Provider Scheme £150 (*available only to FIA Approved Companies*)

Approved Installer Scheme £150 (*available only to FIA Approved Companies*)

The prices shown are for a 80x40 pixel advert which will appear at or near the top of the relevant page. All prices are net of VAT and cover a 12 months period

FIA WEBSITE ADVERTISING ORDER

Please reserve the following page(s) from the list above:
.....

I understand that I will receive details on how to send my advert to the FIA web master and an invoice for £ plus VAT in the next 28 days

Name: Company:
Tel:..... Email address:
Signed:..... Date:

Please post/fax this form to:
FIA Secretariat, Owles Hall, Owles Lane, Buntingford, Herts SG9 9PL
Fax: 01763 273255

FIA Cable Selection Guide Details

Members are reminded that the full revision of the FIA **Selection Guide for Standard Optical Cables** is now available **free-of-charge** to all members and **£75 to Non-Members**. The form must be completed even if no payment is involved.

The 20pp publication is not be available in hard-copy form but, when paid for, may be downloaded in .pdf format from the FIA Web-site using a special access code. It can also be sent via Email or on a floppy disc.

Credit Cards

It is now possible to place orders via the Secretariat by Credit Card (VISA/Mastercard/JCB/Delta/Solo/Switch)

The *Guide* had been designed to assist with the selection of cable constructions typically used in today's fibre optic industry. In all cases, a combination of the application and the environment in which the cable will be installed will call for differing cable construction requirements.

The *Guide* is applications based and, in its first section, provides the full spectrum of applications coverage for copper, multimode fibre and singlemode fibre together with a table of optical performance.

Whether indoor, outdoor, loose tube, tight buffered riser or duct, the *Guide* helps to provide the correct selection.

Other sections cover Cable Materials, Cable Types, Applications, Installation Considerations, Standard Specifications, and a Glossary of Terms.

FIA Cable Selection Guide Order Form

To: The FIA Secretariat, Owles Hall, Owles Lane, BUNTINGFORD, Hertfordshire SG9 9PL Fax: 01763 273255

Will you please provide me with a copy of the *Guide*

I would like it to be supplied as: Floppy Disc
Via Email FIA Web-site Download

I will pay as follows:

Cheque + Purchase Order Purchase Order Credit Card

If Credit Card, state: VISA Mastercard JCB Delta Solo Switch

Please tick appropriate boxes

Card Number:

Expiry Date

Name of Cardholder

Card issue number (Solo or Switch)

Card holders name

Amount of transaction £.....

Name:

Company.....

Address

.....

Tel: Email:

FIBRE OPTIC INSTALLATION

FIA Support Documentation for the Installer and User

The introduction of BS7718, a *Code of Practice for the Installation of Fibre Optic Cabling*, follows the original publication by the FIA of the initial Draft B of the document in 1991. Since then, the use of the document has identified various areas which require support documentation to ensure both that the recommendations of the *CoP* are effectively implemented and that standard quality and recording practices are employed. The FIA, therefore, has published the following:

Guidance Notes to BSI7718 and FIA-CCP-1/91

This 34pp publication analyses every section and sub-clause in the two documents using a cross-referencing system. Where appropriate, clarification of the recommendations is given together with step-by-step guidance on the design, technical, implementation and contractual implications of the contents. For the installer, it removes the possibility of misinterpretation and simplifies implementation. For the user, it simplifies the task of understanding the requirements and their importance to the generation of a contractual agreement. **Price: FIA Members £20 Non-Members £30**

Fibre Optic Cabling - Recommended Installation Documentation Practices

With documentation of complex fibre optic cabling systems being a fundamental quality assurance requirement, it follows that it has important implications for the long term operation of a cabling system. In particular, such documentation should ensure all parts of a network can be identified by future users with minimal difficulty.

This publication, which is based on the requirements of both *Codes of Practice*, introduces and describes both schematic and textual documentation approaches and how these may be used either individually or in concert. 12 master documentation templates are contained in a special folder and these are designed to achieve industry standardisation of such documentation as well as forming a clearly deliverable item within an installation contract.

Price: FIA Members £15 Non-Members £20

Installation Specification Template

This step-by-step proforma document, based on *Code of Practice* recommendations, enables an installation to be fully defined in terms of all its required components (modules, nodes, routes, etc). It is designed to prevent important aspects being omitted and provides a comprehensive and invaluable reference for both users and installers.

Price: FIA Members £15 Non-Members £20

Quality Plan Template

This template, based on *Code of Practice* recommendations, defines all the inspection and test criteria required to ensure an installation fully meets its specification. It is an invaluable aid for both users and installers.

Price: FIA Members £10 Non-Members £15

NOTE - If all the above four documents are ordered at the same time, you may take advantage of the following package price:
Package Price: FIA Members £50 Non-Members £70

Cable Selection Guide

A comprehensive aid for designers and installers in the Fibre Optic Networking Sector generated by the Cable Committee of the Fibreoptic Industry Association. Provides an easy-to-use guide to fibre optic cable selection.

This publication has just been upgraded. See details on p. 9

**To: FIA Secretariat, Owles Hall, Owles Lane, Buntingford, Herts SG9 9PL United Kingdom Tel: 01763 273039
Fax: 01763 273255 Email: jane@fiasec.demon.co.uk**

Please supply:

-copy/copies of *Guidance Notes*
- copy/copies of *Documentation Practices*
- copy/copies of *Specification Agreement Template*
- copy/copies of *Quality Plan Template*
- copy/copies of ALL FOUR publications at the special package price

Cheque for £ enclosed* Please invoice me for the sum of* My Order No. is
FIA Member? Yes/No* (*Delete where inapplicable) *Note - Prices include post and packing*

Name: Position: Company:

Address:.....

.....

Tel:

Email: