

CMT-08-065

**FTTP –
Network Designers
Training Course**

**1 DAY DURATION - DESIGNED FOR PEOPLE
WITH FTTP NETWORK DESIGN RESPONSIBILITIES.**

“Telecommunications training that
provides knowledge plus experience.”



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COURSE OUTLINE

CMT-08-065-A

Basics of FTTP Architecture

1. What is FTTx
2. Benefits of FTTP networks
3. FTTP network architecture overview
4. What is PON
5. Overview of GPON and BPON
6. Understanding FTTx transport wavelengths
7. Single Fibre working systems
8. Basics of FTTP service delivery capability.

CMT-08-065-B

FTTP Architecture in Detail

1. Detailed overview of FTTP architecture (CAN & FTTP Network Integration)
2. Exchange Layout Overview
 - 2.1. Detailed overview of POLT
 - 2.2. Detailed overview of VOLT
 - 2.3. Detailed overview of WDM
 - 2.4. HDOFDF
 - 2.5. FTTP Hardware Integration
3. ODN FTTP Architecture
 - 3.1 Detailed overview of FDH
 - 3.2 Detailed overview of Optical Splitter
 - 3.3 Integration of FDH into CAN via MAX Enclosures
 - 3.4 Detailed overview of DLM
 - 3.5 Detailed overview of LM
 - 3.6 Detailed overview of Lead-in cable technology
 - 3.7 Pit & Pipe architecture

4. Overview of HONT Hardware
 - 4.1 Detailed overview of FTTP service delivery capabilities
 - 4.2 Detailed overview of HONT-B
 - 4.3 Detailed overview of HONT-C
 - 4.4 Detailed overview of HONT-O
 - 4.5 Detailed overview of PSU
5. Network design principles for FTTP
 - 5.1 Exchange
 - 5.2 ODN – Pit, pipe & cable
 - 5.3 HONT
 - 5.4 MDU deployment.

COURSE INFORMATION

Course locations: Melbourne, Adelaide, Sydney, Hobart, Canberra, Cairns, Brisbane, Darwin & Perth.

Course times: 8.30am to 4.30pm

Duration: One Day

Training is available Australia-wide. Please contact Celemetrix for details.

Included: Active FTTP training network, all FTTP external and internal network hardware, FTTP network design packs, instructor, data projector, all required test equipment and hardcopy course manual for each attendee.

COURSE OVERVIEW

Designed for people with FTTP network design responsibilities, this course provides attendees with the skills and knowledge needed to efficiently design FTTP networks utilising the latest xPON technologies. Designed for all skill levels this course will introduce attendees to the functionality of each network element as well as basic and enhanced design and architectural methodologies. Our unique mobile FTTx lab provides attendees with the opportunity to reinforce knowledge learnt through practical exercise and assessment. The outcomes associated with this course are to equip attendees with the confidence needed to design technologically efficient and cost-effective network architectures.

10 – 15 people per course.

Training is available throughout Australia.

INDUSTRY PROBLEM

- The telecommunication industry has seen a decline of the transfer of skills from experienced technical personnel to new personnel.
- Knowledge transfer to complete projects to the required quality/time standards has become increasingly scarce.

CELEMETRIX SOLUTION

- Training programs are designed to protect against poor quality network builds, which result in costly rework and service interruptions.
- Emphasis on the importance of maintaining standardised installation and commissioning practices.
- Skill in the transference of knowledge is what we believe to be the "art of training".
- Unlike other training organisation which focus primarily on technology - Celemetrix Training Services are structured toward Field Operations staff. Technology theory is combined with practical elements to reinforce the learning process.
- Specifically designed training manuals, enhanced practical exercises and technical phone support ensure your investment delivers increased levels of productivity and confidence.

All our training courses can be customised to meet your individual requirements.

All our trainers are qualified with Cert IV Assessment and Workplace Training from Corporate Training Australia.

FURTHER INFORMATION

Call or email Celemetrix today, our courses result in the highest knowledge transfer and are Telstra Certified.

Telstra Certified



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