



CMT-06-020

FIBRE OPTIC SPLICING & JOINT ENCLOSURE TRAINING COURSE

5 DAYS DURATION - DESIGNED FOR ALL SKILL LEVELS.

WWW.CELEMETRIX.COM.AU
CALL 1800 256 838

Telstra Certified

FIBRE OPTIC SPLICING & JOINT ENCLOSURE TRAINING COURSE

COURSE OUTLINE

CMT-06-020-A

Introduction to Fibre Optics

1. Understanding Telecommunications network architecture
2. Basics of Fibre Optics – Units of measurement
3. Single Mode and Multimode cable principles and naming & colour codes
4. Light Propagation principles
5. Laser Transmission System Theory
6. Optical Connectors and pigtailed
7. Laser Safety and OH&S
8. Fibre optic cleaning principles
9. Operating optical microscopes/VIPs
10. Operating Traffic Identifiers
11. Operating Visual Fault locators
12. Practical exercises to reinforce theory elements.

CMT-06-020-B

Fibre Optic Splicing Principles

1. Splicing methods and technologies
2. Splicing tooling requirements
3. Matching splice protectors to splicing trays
4. Fibre optic cleaning process for splicing
5. Fibre optic cleaving process for splicing
6. Fusion splicing techniques and acceptable limits of operation
7. Practical exercises to reinforce above elements.

CMT-06-020-C

Fibre Optic Cable Construction

1. Cable Types used within a carrier environment
2. Cable markings and definition
3. Complete Fibre Optic cable numbering system
4. Techniques for stripping cable protective coatings
5. Practical exercises to reinforce above elements.

CMT-06-020-D

Fibre Optic Joint Enclosure Assembly Principles

1. Assembly methodologies for Egerton 24/72 joint enclosure
2. Assembly methodologies for Corning UCNCP 9-24 MAX joint enclosure
3. Assembly methodologies for Corning UCNCP 7-20/9-20 joint enclosures
4. Assembly methodologies for Corning 24F OJ joint enclosure
5. Assembly methodologies for Fibernet Tap 2 (internal) joint enclosure
6. Assembly methodologies for Warren & Brown 2 Draw OFDF (internal) joint enclosure
7. Practical exercises to reinforce above elements.

CMT-06-020-E

Practical and Theoretical Assessment

1. Theoretical Assessment
2. Practical Assessment.

FIBRE OPTIC SPLICING & JOINT ENCLOSURE TRAINING COURSE



COURSE INFORMATION

Course locations:

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

Course times: 8.30am to 4.30pm.

Duration: Five days.

Training is available Australia-wide.

Please contact Celemetrix for details.

Included: Instructor, data projector, splicing equipment, joint enclosures, general test equipment & training manual per attendee.

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 organisations 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.

COURSE OVERVIEW

Designed for all skill levels, this course provides each attendee with an opportunity to secure the skills required to confidently install fibre optic joint enclosures used within a carrier network and splice fibre optic cores. Each attendee will construct a minimum of six carrier certified fibre optic joint enclosures. These are chosen to incorporate all the disciplines needed to confidently assemble most joint enclosures available and splice fibre optic cores without causing fault conditions.

10 - 15 people per course.

Training is available throughout Australia.

FURTHER INFORMATION

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

**CELEMETRIX AUSTRALIA PTY LTD
SYDNEY - MELBOURNE**

PHONE: 1800 256 838

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