

PLI-06-020

FIBRE OPTIC SPLICING & JOINT ENCLOSURE

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.

OPTICAL



PERPETUAL LEARNING INSTITUTE provides a comprehensive syllabus that addresses critical practices pertaining to Optical technologies within the Telecommunications optical access networks

PERPETUAL
LEARNING
INSTITUTE is
a Nationally
Approved Training
Provider of
Telstra™ & nbn™

Contact us today
for full details



Each attendee will construct a minimum of six carrier certified high fibre count 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.



BOOK ONLINE

Information is subject to change
For the most current information and training schedule, please visit : www.perpetuallearning.com.au/book



ACCREDITATIONS

Perpetual Learning Institute Pty. Ltd. is a nationally Registered Training Organisation (RTO code: 40809)

Perpetual Learning Institute Pty. Ltd. is also a Nationally Approved Training Provider (ATP) of nbn™ & Telstra™



APPROVED

COURSE OUTLINE



PLI-06-020-A

Introduction to Fibre Optics

- Understanding telecommunications network architecture including nbn™
- Basics of fibre optics – units of measurement
- Single mode and multimode cable principles and naming and colour codes
- Light propagation principles
- Laser transmission system theory
- Optical connectors and pigtails
- Laser safety and OH&S
- Fibre optic cleaning principles
- Operating optical microscopes/VIPs
- Operating traffic identifiers
- Operating visual fault locators
- Practical exercises to reinforce theory elements

PLI-06-020-B

Fibre Optic Splicing Principles

- Splicing methods and technologies
- Splicing tooling requirements
- Matching splice protectors to splicing trays
- Fibre optic cleaning process for splicing
- Fibre optic cleaving process for splicing
- Fusion splicing techniques and acceptable limits of operation
- Practical exercises to reinforce above elements

PLI-06-020-C

Fibre Optics Cable Construction

- Cable types used within a carrier environment
- Cable markings and definition
- Complete fibre optic cable numbering system
- Techniques for stripping cable protective coatings
- Practical exercises to reinforce above elements

PLI-06-020-D

Fibre Optic Joint Enclosure Assembly Principles

- Assembly techniques for corning 24F OJ joint enclosure
- Assembly techniques for FOSC 400B joint enclosure
- Assembly techniques for TYCO Tap 2 (internal) joint enclosure
- Assembly techniques for Warren & Brown 72 fibre splice patch draw OFDF enclosure
- Assembly techniques for corning UCNCP 7-20/9-20 joint enclosures
- Assembly techniques for corning UCNCP 9-24 MAX joint enclosure
- Practical exercises to reinforce above elements

PLI-06-020-E

Practical and Theoretical Assessment

- Theoretical assessment
- Practical assessment

**FIBRE OPTIC SPLICING &
JOINT ENCLOSURE****INDUSTRY PROBLEM**

- With the deployment of the nbn™, Australia now needs additional skilled workers to construct the different network architectures.
- New network architectures and technologies require the development of new skills and knowledge to ensure success.

**PERPETUAL LEARNING SOLUTION**

- Working as an nbn™ Approved Training Provider, PERPETUAL LEARNING INSTITUTE has enhanced our traditional courses to align directly to the skills needed for the nbn™ rollout.
- The development of carefully constructed skill based programs is where we excel – the art of training.
- Unlike other training organisations which focus primarily on technology, PERPETUAL LEARNING INSTITUTE is structured toward Field Operations staff. Technology theory is combined with large quantities of practical exercises to reinforce the learning process.
- PERPETUAL LEARNING INSTITUTE is the market leader with regards to hands on practical training that is supported by our real world learning simulators – “We bring the field environment to you”.

**COURSE INFORMATION****Course Locations:**

Melbourne, Adelaide,
Sydney, Hobart,
Canberra,
Cairns,
Brisbane,
Darwin and Perth



Location and timing will be advised at enrolment

Class Size: 10 - 12 students

Duration: 5 days

Included:

All materials used for practical exercises, technical manuals for each attendee, test equipment, emulation environment.
1 week phone support.