

## **FOA - CFOS/T: Certified Fiber Optic Specialist in Testing (Testing, Troubleshooting, and Characterization)**

### **On-ground Training Course**

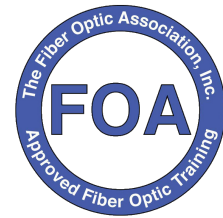
This is a US Department of Labor and internationally recognized specialist certification training covering fiber optic network testing and troubleshooting operations. This training is intended for network owners, engineers, IT personnel, facilities managers, or technicians involved in the installation and maintenance of fiber networks. This course is especially recommended for fiber optic engineers, supervisors, and field technicians to improve skills for fiber optic testing and troubleshooting related activities, including development of test plans and procedures according to international standards, as it can enhance their effectiveness on the job.

### **Upon successful completion of this course, students should achieve the following objectives:**

- Be familiar with various tests equipment
- Understand and perform various test methods, according to industry standards
- Develop a test plan with Method of Procedures
- Inspect and clean connectors correctly, with microscopes and video probes
- Conduct insertion loss testing and optical time domain reflectometry (OTDR testing), and fiber characterization
- Perform tests on both single-mode and multi-mode fibers
- Understand measurement errors when testing
- Familiarize with advanced test methods (SA, CD, PMD)
- Troubleshooting recommended practices
- Develop accurate documentation

### **Course Content:**

- Overview of Fiber Optic Testing
- Jargon, emphasis on test
- Standards for Testing
- Test instruments
- Visual Inspection and Cleaning
- Loss Budgets
- Optical Power
- Insertion Loss



- OTDR Testing
- Fiber Characterization
- Reflectance Testing
- Passive Optical Network (PON) Testing
- Testing and Troubleshooting Checklists
- Fiber Optic Testing Metrology - Measurement Errors

### **Pre-requisites**

- Current CFOT certification
- Completing Pre-Course assignments and submitting 5 days before class starts

### **Textbook**

FOA Reference Guide, by Jim Hayes

### **Course Details**

- 5 Days. On-Ground Classroom
- CFOS/T certification test is given after completion of training and submission of related deliverables
- A minimum score of 70% must be achieved to pass the exam

### **Completion and Certification Requirements**

To receive FOA CFOS/T certification, students must complete training and achieve over 70% on a final test consisting of 100 questions. Students that do not pass the FOA CFOS/T test will receive a certificate of completion by Zayin Fiber Optics.

### **Our Instructors**

Our instructors are highly qualified experts, with respective professional credentials in their areas including: Fiber Optic Association (FOA) Master Instructor and CFOS/I, PMP®, BICSI RCDD®, CSM®, CFHP®, and have served customers internationally over decades.

### **Legal Disclaimer**

Zayin Fiber Optics does not offer academic or vocational degrees. We are not accredited as a degree granting institution. We only offer Fiber Optics and



Telecommunications related skills training and prep courses, and courses that lead towards certification by the Professional Fiber Optic Association (The FOA). Certifications by The FOA are recognized by the US Department of Labor, and Zayin Fiber Optics is authorized by The FOA to provide FOA certifications in its behalf. Zayin Fiber Optics is registered as FOA Approved School #756, and its authorized to offer FOA Training in the US and Internationally.