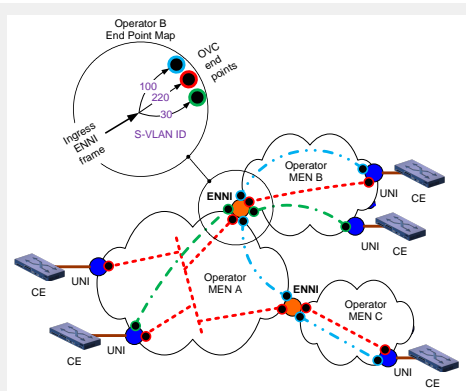# MEF-CECP

Ordering Information

Course Code: MEF-CECP
Course Duration: 5 Days
Ordering Numbers:

- In-House: TRIH-MEF-CECP
- Suitcase: TRSC-MEF-CECP
- MSP Suitcase: TRSE-MEF-CECP*

* For suitcase pricing, contact your Fujitsu Sales Representative or email our Training Coordinator at knowledge.delivery@fnc.fujitsu.com.

Recommended Tutorials

- SONET Tutorial
- DWDM Tutorial
- Ethernet Tutorial

Course Contents

MEF Services
How MEF Services are Defined (Part 1)
How MEF Services are Defined (Part 2)
UNI Requirements
Extending MEF Services over Multiple Operator MENs
Highlights of the MEF Model for Service Across an Operator MENs
Access Technologies
Transport Technologies
Applications
Certification Programs

Course Description

Fujitsu offers a comprehensive, five-day MEF-CECP preparation course at its Richardson, Texas training facility, or at a customer's location. As a provider of network solutions, Fujitsu developed the MEF-CECP course based on expertise gained from our quality training on its own SONET, DWDM and Carrier Ethernet-based telecommunications products to the world's leading service providers.

Who Should Attend

The Fujitsu MEF-CECP Exam Preparation course is designed for technical professionals and provides a detailed curriculum designed to transfer knowledge of MEF-defined Carrier Ethernet services, develop the ability to understand Carrier Ethernet concepts and applications, and apply Carrier Ethernet services to real-world applications

Course Outline

MEF Services

- Fundamental Components and Reference Models
- Service Multiplexing
- Assigning Ethernet Frames to EVCs
- Port-Based versus VLAN-Based Services

How MEF Services are Defined (Part 1)

- Carrier Ethernet Service Attributes
- Carrier Ethernet Service Framework
- Basic/Bookkeeping Service Attributes
- MTU Size Service Attributes

How MEF Services are Defined (Part 2)

- General Features
- Core and Small System:
  - Configurations and Applications
  - Channel Assignments
- Extension System Configuration:
  - Configurations and Applications
  - Frequency and Wavelength Assignments
- Management and Security

UNI Requirements

- Architecture
- ~~Design Browser, Editor, and Preferences~~
- ~~Custom Rack Configuration~~
- ~~Unit Classification~~
- ~~Reachability Matrix~~
- ~~Model File Manager~~
- ~~Using Design Icons to Create Designs:~~
  - ~~Adding Demands and Subnetworks~~
  - ~~Moving a Span to Another Network~~
  - ~~Manual Selection of Amplifiers and DCMs~~
  - ~~Adding FLASHWAVE 9500 Tributary Shelf~~
  - ~~Flexponder Cross-Shelf Grooming~~
  - ~~Multi-TID Hub Site~~
- ~~Rack and Shelf View~~
- ~~Optical Line Card and Core/Common Card Override~~
- ~~BOM Parts Mapping Manager~~

- ~~Brownfield Designs~~
- ~~Security Management and Activity Log~~
- ~~Import/Export Design~~

Extending MEF Services over Multiple Operator MENs

- Terminology
  - Service Provider and Operators
  - ENNI and ENNI-N
  - OVC
  - OVC End Point
  - Ingress and Egress ENNI Frames
  - Hairpin Switch
- Service Handoff at ENNI
- Operator Service Attributes
- ENNI Service Attributes
- Highlights of the MEF Model for Service Across an Operator MEN
- Ethernet OAM
- Service OAM Overview
- SOAM Connectivity Fault Management
- SOAM Performance Management

Access Technologies

- Ethernet over Optical Fiber
- Ethernet over PDH
- Ethernet over Copper
- Ethernet over Wireless Network
- Ethernet over HFC

Transport Technologies

- Layer 1 Transport Technologies
- Layer 2 Transport Technologies
- Bridging
- PB (Provider Bridging)
- PBB (Provider Backbone Bridging)
- PBB-TE (Provider Backbone Bridge Traffic Engineering)
- Layer 2.5 Technologies (Multiprotocol Label Switching)
- Protection and Resiliency

Applications

- Target Applications
  - Retail Commercial/Business Services
  - Support for Legacy Services
- Comparing and Positioning Carrier Ethernet Services with Legacy Services
- Circuit Emulation Services over Ethernet
- Mobile Backhaul Services

Certification Programs

- Overview
- Equipment Certification
- Service Certification
- Professional Certification