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MEF Carrier Ethernet Certified Professional (MEF-CECP) Classroom Training Program

Fujitsu offers a comprehensive, five-day MEF-CECP Exam Preparation course at its Richardson, Texas training facility, or at your choice of location. This course provides a thorough knowledge of MEF Carrier Ethernet standards, technologies and applications and prepares students to take the exam as well as to apply their knowledge in professional situations. It is much more than a "boot camp" course limited to exam preparation.

Comprehensive Training with Certifies Instructors

Fujitsu is one of a select number of MEF Accredited Training Providers and several of our world-class Ethernet experts were directly involved in developing the MEF Carrier Ethernet standards and professional certification. The Fujitsu MEF-CECP course is designed for technical professionals and taught by an MEF-CECP certified instructor who is knowledgeable in the facets and nuances of Carrier Ethernet.

The detailed curriculum is designed to transfer comprehensive knowledge of MEF Carrier Ethernet services and builds understanding of Carrier Ethernet concepts and applications. It also shows how Carrier Ethernet services apply to real-world networks and services. The course covers the material through a combination of lectures, interactive analysis and discussions, and quizzes at the end of each lesson. The final half-day is spent taking the MEF-CECP certification exam proctored by a Fujitsu instructor.

Course Prerequisites

Students must be familiar with network technology and basic Ethernet concepts.

How to Register for MEF-CECP Classes

To register for a class, visit www.fujitsu.com/us/products/network/training/ethernet-training

MEF-CECP Exam Preparation Course Outline

1 Carrier Ethernet Services
- 1.1 Fundamental Components and Reference Models
- 1.2 Service Multiplexing
- 1.3 Service Frames
- 1.4 Assigning Service Frames to EVCs
- 1.5 Taxonomy of EVC-Based Services
- 1.6 EPL Service
- 1.7 EVPL Service
- 1.8 EP-LAN Service
- 1.9 EVP-LAN Service
- 1.10 EP-Tree Service
- 1.11 EVP-Tree Service
- 1.11 Matrix of Service Distinctions

2 Ethernet Frames and Service Frames
- 2.1 IEEE Ethernet Frames
- 2.2 MEF Service Frames

3 How Carrier Ethernet Services are Defined
- 3.1 Carrier Ethernet Service Attributes
- 3.2 The MEF Service Agreement Framework (SLA and SLS)

4 Service Connectivity Attributes
- 4.1 Basic Service Attributes
- 4.2 Maximum Service Frame Size Service Attributes
- 4.3 Service Multiplexing and Bundling Service Attributes
- 4.4 Service Frame Mapping Service Attributes
- 4.4 CE-VLAN Tag Preservation Service Attributes
- 4.6 Data Service Frame Delivery Service Attributes
- 4.7 Source MAC Address Limit Service Attribute
- 4.8 Security Considerations for E-Tree Services
- 4.9 L2CP Processing Service Attributes

5 Traffic and Performance Management
- 5.1 Overview of Traffic and Performance Management
- 5.2 CoS ID Service Attributes
- 5.3 Color ID for Service Frame Attribute
- 5.4 EEC ID Service Attributes

6 Bandwidth Profiles
- 6.1 Single-Flow Bandwidth Profile
- 6.2 Multi-Flow Bandwidth Profiles
- 6.3 More Terminology
- 6.4 Bandwidth Profile Service Attributes
- 6.5 Egress Bandwidth Profiles
- 6.6 About Line Rate and CIR

7 EVC Performance
- 7.1 EVC Performance Service Attributes
- 7.2 Multiple EVC Availability Performance
- 7.3 Example of EVC Performance Attribute Specification

8 UNI Requirements
- 8.1 Type 2 UNI Requirements
- 8.2 UNI Functionality Service Attributes

9 Extending MEF Services over Multiple Operator CENs
- 9.1 Terminology
- 9.2 Service Handoff at ENNI
- 9.3 Operator Service Model
- 9.4 Operator Service Attributes
- 9.5 Highlights of the Operator Service Model
- 9.6 Rooted-Multipoint OVCs

10 MEF-Standardized Classes of Service
- 10.1 Definitions and Requirements

11 E-Access Service
- 11.1 E-Access Service Applications
- 11.2 Access EPL and Access EVPL
- 11.3 E-Access Service Attributes
- 11.4 Highlights of E-Access Service Definitions
- 11.5 E-Access Service Applications

12 Ethernet OAM
- 12.1 Link OAM
- 12.2 Service OAM Overview
- 12.3 SOAM-Related Service Attributes
- 12.4 SOAM Connectivity Fault Management
- 12.5 SOAM Performance Management

13 Access Technologies
- 13.1 Access versus Transport Technology
- 13.2 Ethernet over Optical Fiber
- 13.3 Ethernet over PDH
- 13.4 Ethernet over Copper
- 13.5 Ethernet over Wireless Network
- 13.6 Ethernet over HFC

14 Transport Technologies
- 14.1 Layer 1 Transport Technologies
- 14.2 Layer 2 Transport Technologies
- 14.3 Layer 2.5 Technologies (Multiprotocol Label Switching)
- 14.4 Ethernet Service Protection Technologies

15 Applications
- 15.1 Target Applications
- 15.2 Comparing and Positioning Carrier Ethernet Services with Legacy Services
- 15.3 Mobile Backhaul Services
- 15.4 Circuit Emulation Services over Ethernet

16 MEF Certification Program
- 16.1 Equipment and Services Certification
- 16.2 Professional Certification

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