



FlexiPacket FP 20 - Operation, Administration and Maintenance and Commissioning (FPR 1.3EP1/ Hub Ax200 5.0EP1) (FT4282-04A)

Brief Description

- FlexiPacket Microwave Operation, Administration and Maintenance is a course for service. The topics are among others getting to know the Features, Equipment and System Operation, including practical exercises. After completing this course, the participant is acquainted with equipment features, design, applications, operations and maintenance.

Target Group

- Service

Learning Target

- The main objective of this course is to provide the participant with information on equipment features, design, applications, operations maintenance and first commissioning
- Related courses:
 - FlexiPacket Microwave- Field Installation and Commissioning (FT4289)

Prerequisite

- Participants must have some technical knowledge in telecommunications.
- Some basic knowledge in PDH,SDH and Ethernet is required.

Contents

- Safety Instructions and Before Starting
 - General
 - Safety Rules
 - ESDS Precautions
- General Topics
 - LAN and VLAN: some considerations
 - Carrier Ethernet: Some Concepts
 - Synchronization
 - Digital Radio Relay Signals
- Equipment Overview
 - Split Mount Architecture
 - FlexiPacket Hub
 - FlexiPacket in Stand Alone Configuration
 - Applications



- Adaptive Code and Modulation
- ATPC
- Loopbacks
- Ethernet Features
- Quality of Service
- Performance Monitoring
- Synchronization and Clock Recovery
- Radio Management
- License
- Flexi Packet Radio Structure
 - Radio Block Diagram
 - Mechanical Structure and Radio Flanges
 - Antenna Interface
 - External Interfaces
 - Alternative Connections to the Indoor Device
- Configurations
- Flexi Packet ODU Main Technical Specifications
- FlexiPacket Hub
 - Characteristics
 - Connections
 - Equipment Composition
 - Alarms Indications
 - Quality of Service
- LCT Installation
- FlexiPacket Radio Commissioning (without HUB)
- FlexiPacket Radio Operation and Maintenance
- FlexiPacket Radio Troubleshooting
- FlexiPacket Hub Troubleshooting
- FlexiPacket Hub Software Plug-in Description
- FlexiPacket Hub & Radio Commissioning
- FTFB with FlexiPacket Radio Commissioning
- Exercises
 - Radio Link Configuration using PC (LCT Commissioning HUB 2200/1200+ODU))
 - Service Creation (E-Line, CESoP)
 - Fading Simulation
 - Alarms simulation and relative maintenance operations
 - Quality evaluation.

Notes

- This course needs access to training lab. The commissioning part can not be performed without test-bed
- This course can be delivered as face-to face classroom

Duration

5.00 days

For additional information:

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Related Courses: learning path link

- FlexiPacket Radio with IDU A1200/2200 (FPR 1.3EP1/ Hub Ax200 5.0EP1)

Max number of participants

8

Minimum number of participants

6

Course Type

PTB=Practical and theoretical course with testbed

Skill level

IMD intermediate