FlexiHybrid (SRA 4 HC) - PDH/SDH/GE RADIO Operation, Administration, Maintenance and Commissioning (until SVR 4.0) (FT4272-02A)

Brief Description

- SRA4 HC PDH/SDH/GE RADIO Operation, Administration, Maintenance and Commissioning 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 and maintenance
- Related courses:
    o SRA4 HC- Field Installation and Commissioning (FT4279)

Prerequisite

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

Contents

- Course introduction
    o Agenda
    o Course portfolio
- Safety instructions
    o Protective measures
    o Handling
    o Notes
    o PC safety instruction
- Equipment Overview
    o Introduction to the Equipment
    o FlexiHybrid Applications
- System Overview

For additional information:
    Website www.radioengineering.it   Email   sidicomcr@gmail.com

- o   IDU Processing
- o   AP/CC Outdoor Unit
- o   System Configurations
- o   Cross Connections
- o   Loopbacks
- o   TMN management
- License Fee
  - o   IDU External Connections
  - o   Power Supply Module
  - o   Controller
  - o   Modem and IF Telemetry Module
  - o   Standard/ Enhanced Master I/O Module version1/2
  - o   42 E1 Master I/O unit
  - o   Gigabit Ethernet and enhanced Gigabit Ethernet Master I/O unit
  - o   16 E1 Expansion I/O Module
  - o   21 E1 Expansion I/O Module
  - o   STM-1 Electrical Mini I/O unit
  - o   STM-1 Optical Mini I/O unit
- Alarm Management
  - o   Fault Management
  - o   Battery Replacement Instructions
  - o   Removing/ Installing IDU Modules
- Getting started
  - o   Modes of user interfaces
  - o   Local connection
- Radio configuration
  - o   Link configuration
  - o   Adaptive Power Control
  - o   Protection
  - o   ODU Power
  - o   ODU Channel
  - o   ODU Configuration
  - o   ACM, Adaptive Coding Modulation
  - o   Authorization
- Data Link
  - o   E1/T1 Channel Map
  - o   E1/T1 Ports
  - o   STM MUX Demux (loopback)
  - o   STM Trace Message
  - o   Copy
  - o   Ring Routing Configuration
- Ethernet traffic
  - o   Master IO Module / Enhanced IO Module
  - o   Gigabit Ethernet IO Interface

- o   V-LAN Management
- o   Port Based Forwarding Mode
- Analysis
  - o   Alarms
  - o   Graph
  - o   Statistics
- Network
  - o   General Network Configuration
  - o   SNMP
  - o   Syslog Server
  - o   E-mail
  - o   Ethernet NMS
  - o   NMS Switch statistics
- Administration
  - o   Software
  - o   User
  - o   View Event Log
  - o   System Reboot
  - o   Restore Default
  - o   Serial Configuration
  - o   Security Configuration
  - o   Device Information

Notes

- This course can be delivered as face-to face classroom

Duration

4 - 5 days

Related Courses: learning path link

- Basic on Digital Radio (IMC0018METD) – PDH Basics (TG2510-01S) – SDH Basics (TG2500-01S)

Max number of participants (suggested)

8

Course Type

Practical and theoretical course with test-bed (if available)

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