



SRAL XD - PDH Radio – Field Installation and Commissioning – FT4219-00S

Brief Description

- SRAL XD PDH RADIO Field Installation and Commissioning is a course for service. The topics are among others an MWR System Overview, SRAL XD Installation (Configuration, Wall Fixing...) and Commissioning (Installation Check, System Configuration). After completing this course, the participant is able to perform a step by step installation of MW equipment hardware and software components..

Target Group

- Service Specialists - Installation and Commissioning Personnel.

Learning Target

- The participant is able to:
 - perform a step by step installation of MW equipment hardware and software components..
 - practice commissioning

Prerequisite

- Participants must have some technical knowledge in telecommunications.
- Some basic knowledge in PDH is required.
- FT4212-01S is recommended to give a comprehensive background

Contents

- **Introduction of MW**
- Digital PDH MW transmission introduction
- General Radio Systems overview
- Propagation overview
- **Mechanical Design**
- IDU type
- Single-Board front View and Identification Plates
- Plug-In front View and Identification Plates
- ODU type
- High Density/High Performance Overview
- HDe Overview
- Antenna View and Identification Plates
- **System Operation**
- Equipment Block Diagrams



- IDU Plug-In Block Diagram
- ODUs Block Diagram
- Equipment Configurations
- Protection Configurations
- **Indoor Installation**
- IF Cable
- Grounding Connections
- Rack Assembly
- Indoor Unit Connection
- PSU Connection
- Tributary connection
- **Outdoor Installation**
- Antenna Assembly
- Antenna Arrangement for Horizontal Polarization
- Outdoor Units
- Mounting frames
- Grounding Connections
- IF Cable
- **Alignment of Antenna**
- First set-up of equipment
- Antenna Alignment
- **Networking Overview**
- Introduction to IP Protocol
- Use of IP Protocol in MW equipment
- **SW Control**
- SW installation and configuration
- SW menu
- Use of Net Builder
- Tributary connection
- **System Configuration**
- Terminal Set-up
- Background B.E.R. Test
- TX/RX Switching Test
- Service Channel Test
- Received Power Level
- **Network Configuration**
- NE address
- F Interface
- Routing Table
- **Equipment Control and Maintenance Operation**
- Alarm Analysis and action over
- Replacement procedure
- Analysis of Commissioning and process documentation

Training Courses Portfolio

Radio Engineering Services



Course Instructor : Claudio Crini, Dr. Eng. (certified Guest Instructor at I&C Training Institute, Siemens Group)

Notes

- null

Duration

5.00 days

Related Courses: learning path link

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

Max number of participants (suggested)

8

Course Type

Practical and theoretical course with test-bed

For additional information:

Website www.radioengineering.it

Email sidicomcr@gmail.com