



## **SRAL XD - PDH Radio – Operation, Maintenance, Administration and Commissioning – FT4212-01S**

### **Brief Description**

- SRAL XD PDH Split Radio System 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**

- Personnel who commission and integrate SRAL XD PDH Access Radio
- Personnel who operate and maintain SRAL XD PDH Access Radio

### **Learning Target**

- The participant is able to:
  - discuss equipment features, design and applications
  - practice operation and maintenance
  - practice commissioning

### **Prerequisite**

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

### **Contents**

- Safety Rules and Precautions
- General
- Safety Rules
- ESDS Precautions
- Features
- Radio Systems Overview
- SRAL XD Split Radio System
- Mechanical Design
- Identification Plates
- IDU type
- Plug-In Overview
- ODU type
- ODU HD/HP



- Equipment
- Equipment Composition
- External Interconnections
- System Interfaces
- Equipment Block Diagram
- System Operation
- IDU Single-Board Block Diagram
- IDU Plug-In Block Diagram
- ODU HD/HP Block Diagram
- ODU HDe Block Diagram
- Equipment Configurations
- Protection Configurations
- System Maintenance
- Alarm Philosophy
- Alarm Signalling LED
- PC as Equipment Configuration and Diagnostic Tool
- Measurement Exercises
- ODU Output Level – Measurement
- RF Spectrum – Measurement
- Loop-Back
- BER Measurement dependent on RX Level
- Commissioning
- Presetting
- Turn-on
- Equipment measurements
- Field test
- Protocol description

### 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

## Training Courses Portfolio

**Radio Engineering Services**



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

### Course Type

Practical and theoretical course with test-bed

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For additional information:

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