



## **SRA4 (FlexiMetro) SDH Radio – Operation, Administration, Maintenance and Commissioning (SVR 4.10) - FT4222-02S**

### **Brief Description**

- SRA4 SDH 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**

- Personnel who commission and integrate FlexiMetro (SRA4) SDH Access Radio
- Personnel who operate and maintain FlexiMetro (SRA4) SDH 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 & SDH is required.

### **Contents**

- Equipment overview
- System overview
- RF operating bands
- System configurations
- System building blocks
- Management interfaces
- FlexiMetro applications
- Equipment O&M facilities
- SOH Function
- Equipment composition
- General characteristics
- IDU description
- IDU Composition
- Base Band-MODEM unit



- Controller unit
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- ODU DESCRIPTION
- AP ODU (Transceiver for AP channelling)
- AP/CC ODU and HC AP/CC ODU (Transceiver for AP or CC channelling)
- ATPC
- System configurations
- Available configurations
- Technical characteristics
- System Requirements for LCT installation
- LCT Software Architecture
- LCT connection
- Software Installation
- Setup procedure of LCT
- Installation of the NE Plug-ins
- Configuration of the LCT PC
- LCT start up
- Login to NE
- Graphical user interface
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- RADIO CONFIGURATION
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- NETWORK CONFIGURATION
- Management interfaces
- Addressing rules RIP v1
- Connection modality
- PC address setting
- Configuration of Network Parameters
- Dynamic Routing Table
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- PERFORMANCE MANAGEMENT
- 826 Performance
- Availability parameters
- Displaying of G. 826 Performance
- Displaying of G. 826 Performance parameters
- RPS Performance
- RSPI Performance
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- MAINTENANCE AND COMMISSIONING
- NE Severity
- Display of Alarms
- Alarm List
- J0 management
- Loop-Backs



- Transmission timed squelch
- Recording of the Long Period Performance
- Q interface
- Auxiliary channels

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### Notes

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### Duration

4.00 days

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### Related Courses: learning path link

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

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### Max number of participants (suggested)

8

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### Course Type

Practical and theoretical course with test-bed

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