



## **SRT 1F (Harris Truepoint 6500) - Operation, Maintenance, Commissioning and Administration (R4.4) (FT4232-02A)**

### **Brief Description**

- SRT1F Operation, Maintenance, Commissioning and Administration is a course for service. The topics are among others getting to know Features, Mechanical Design, Equipment, System Interfaces, System Operation, System Maintenance, Measurement Exercises and Commissioning. After completing this course, the participant is acquainted with equipment features, design, application and operation.

### **Target Group**

- Service

### **Learning Target**

- The main objective of this course is to provide the participant with information on equipment features, design, application and operation.
- Related courses:
  - SRT1F - Field Installation and Commissioning (FT4239)

### **Prerequisite**

- Recommended course: Basic on Digital Radio (IMC018METD) and SDH Basics (TG2500-01S) or
- Practical OAM experience on SDH equipment.

### **Contents**

- Safety Rules and Precautions
  - General
  - Safety Rules
  - ESDS Precautions
- Features
  - Radio System Overview
  - SRT1F Radio Digital System
- Mechanical Design
  - Identification Plates
  - SCSU Front View
  - MSTU Front View
- Equipment
  - Equipment Composition
  - Internal Interconnections
  - Principle Functionality of the Modules
- System Interfaces



- STM1 BaseBand Interfaces
- WaySide BaseBand Interfaces
- System Operation
  - Equipment Configurations
  - Modules Configuration in the SubRack
  - RFCOH Description
  - Protection Configuration
  - Alternate Assignment
  - Co-Channel Layout
  - Space Diversity Facilities
- System Maintenance
  - Alarm Philosophy
  - PC as Equipment Configuration and Diagnostic Tool
  - Description of WEB Lct
- Measurement Exercises
  - RF Level
  - IF and RF Spectrum
  - IF Linearity
  - Group Delay Response
  - Switch Control
  - BER Measurement dependent on RX Level
- Commissioning
  - Preliminary Checks
  - Field Test Protocol Description

### Notes

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

### Duration

4 - 5 days

### Max number of participants (strongly suggested)

8

### Course Type

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