



SRT 1F - SDH Radio – Field Installation and Commissioning IMC 7501 BEDG

Brief Description

- SRT 1F SDH RADIO Field Installation and Commissioning is a course for service. The topics are among others an MWR System Overview, SRT 1C 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 and SDH is required.
- FT4232-02A course is recommended to give a comprehensive background

Contents

- **ALTERNATE Pattern System**
- Rack Layout Sheet 1
- Mechanic Rack Specification
- Positioning Metal Fittings
- Rack Cable Run – Typical Layout
- Rack Configuration
- Typical AP Rack Configurations
- Branching Configuration – References
- Semi-Rigid Cables Connections between BRU-MSTU
- Equipment-Waveguide Connection – Solution with FlexTwist
- N and Mechanics Characteristics
- Typical (N+1) Inter Shelf Connection – RPS, SV, DCC
- Equipment Consumption – Typical
- **CHANNEL Pattern System**
- Rack Layout Sheet 1



- Positioning Metal Fittings
- Rack Cable Run – Typical Layout
- Rack Configuration
- Typical CC Rack Configurations
- Branching Configuration – References
- Semi-Rigid Cables Connections between BRU-MSTU
- Equipment-Waveguide Connection – Solution with FlexTwist
- N and Mechanics Characteristics
- Typical (N+1) Inter Shelf Connection – RPS, SV, DCC
- Equipment Consumption – Typical
- **MSTU Shelf**
- MSTU Shelf – Max Configuration
- MSTU Unit – Front Panel
- MSTU Unit – Functions of Front Panel
- MSTU Unit – Plug-In Adapter
- Power Supply – Connection
- **SU Shelf**
- SCSU Shelf (STANDARD Type) – Max Configuration
- SCSU Shelf (DOUBLE TERMINAL) Type – Max Configuration
- Power Supply – Connections
- Supervisory Unit – Front Panel and Connections
- Supervisory Unit – Led Indication Sheet 6
- Base-Band Switch Unit – Front Panel and Connections
- Occasional Traffic Interface Unit – Front Panel and Connections
- SCSU Shelf (STANDARD Type) – Lay-out Public Connectors Area
- SCSU Shelf (DOUBLE TERMINAL Type) – Lay-out Public Connectors Area
- Connectors Functions
- Way Side (120 Ohm) / User Channel 64 Kb/s – Pin-Out and Connection
- Radio User Channel 64 Kb/s – Pin-Out and Connection
- Engineering Order Wire – Pin-Out and Connection
- External Clock Signal – Pin-Out and Connections
- Housekeeping 1 SV Unit – Pin-Out and Connection
- Housekeeping 2 HK1 Unit – Pin-Out and Connections
- Rack Alarms Bus – Pin-Out and Connection
- Operation Support System – Pin-Out and Connection
- **BBIU Shelf**
- BBIU Shelf – Max Configuration
- Power Supply – Connections
- Inserting/Removing a Slide in Unit
- Typical Inter Shelf Connection – BaseBand Signal
- Optical Interface – Connections
- BBIU Shelf – Lay-out Public Connectors Area
- User Channel – Pin-Out and Connection
- **ACCESSORIES**



- Power Supply Connector (AMP) with 2x1.5mmq Cable (105-013/02)
- Self-Locking Coaxial Plug (421-015/60) with 75 Ohm Coaxial Cable (104-104/04)
- Sub-D 15-25-37 pin Connector (422-062/86..88) with Mutipairs Cable
- Metallic Shell (422-030/87..89)
- RJ45 Shielded Connector (422-053/63) with Lan Cable (106-041/76)
- **Installation Materials:**
- Rack Installation Materials (SCSU Standard Type) – 31111.00940C
- Rack Installation Materials (SCSU Double Terminal Type) – 31111.00940DT
- Transceiver Installation Materials – 31111.00942C
- **Special Tools:**
- Crimping Tool (236-100/30) for Power Supply Connector (AMP)
- Crimping (236-100/40) and Extractor Tool (236-100/28) for Coaxial Plug (421-015/60)
- Crimping Tool (236-100/17) for RJ45 Connector (422-053/63)
- Revision List

Notes

- Null

Duration

5.00 days

Related Courses: learning path link

- Basic on Digital Radio (IMC0018METD) – PDH Basics (TG2510-01S)- SRT 1F O&M (FT4232-02A)

Max number of participants (suggested)

8

Course Type

Practical and theoretical course with test-bed