



Radio Site Engineering – Earth Systems for Telecommunication Installations – IMC0020AEDG

Brief Description

- IMC000AEDG is a planning / maintenance course, based on CEI, IEC and ITU rules and recommendations.
- The purpose of this description consists in providing the essential prescriptions and recommendations relevant to the systems and devices required to realize earthing systems, in particular to installations required for radio stations.

Target Group

- Maintenance, Design

Learning Target

- The main objective of this course is to enable the participant to perform an effective design, management and troubleshooting of a Radio Site

Prerequisite

- Basic knowledge of Microwave Radio system installation

Contents

- **GENERAL**
 - Forward
 - Purpose
 - Application Field
 - Definitions
- **EARTHING SYSTEMS**
 - General
 - Typologies of earthing systems
 - Earthing system characteristics
 - Components
- **MEASUREMENTS and CHECKS**
- **Check of the earthing system working conditions**
- **Measurement of soil resistivity**
 - Nature of the problem
 - The “four electrode” method (four probes)
 - The “Wenner” method
 - The “Shlumberger” method
 - Other methods
 - Factors affecting the accuracy of measurement
 - Measuring instruments commonly used

Training Courses Portfolio

Radio Engineering Services



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

- **Maintenance**
- **NOTES ON DIMENSIONING**
- **Section of wires utilized for earthing**
- **Systems with ring or mesh earth electrodes**
- **Systems with earth stake**

Notes

- null

Duration

2 days

Related Courses: learning path link

- null

Max number of participants (suggested)

10

Course Type

Theoretical course

For additional information:

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