Safety Rules Module 2 – Plant and Low Voltage

Duration: 4 Days
Format: Classroom training with worked examples and case studies
Assessment: Closed-book exam (60 questions, 70% pass mark required)
Course Handout

Course Overview

The aim of this 4-day Safety Rules Module 2 course is to provide delegates with a fundamental understanding of the application of the Electrical and Mechanical Safety Rules in relation to Plant and Low Voltage Apparatus.
The course is designed to equip participants with the knowledge and practical skills required to work safely, prepare and manage Safety Documents, and apply safe systems of work in environments involving Plant and LV systems.

This course builds upon the knowledge gained in *Module 1* and introduces specific procedures and hazards associated with Plant and Low Voltage operations.

Course Objectives

By the end of the course, delegates will have developed knowledge and understanding in the following areas:

- Safe systems of work when carrying out tasks on Plant and LV Apparatus.
- Application of the Safety Rules for work in pressure parts, boiler gas passes, vessels, confined spaces, and when working at height.
- Fire protection systems, hot work procedures, and safe access requirements.
- Hazards and precautions associated with harmful substances, heat stress, and natural gas systems.
- Safe working practices inside LV substations and switch rooms.
- Preparation, issue, and management of Safety Documents, including LWC, PFW, SFT, ROMP, and NRI.
- Roles and responsibilities of Senior Authorised Persons (SAPs) in managing safe systems of work for Plant and LV.
- Practical examples, case studies, and worked scenarios to reinforce learning.

Assessment and Certification

Delegates will be assessed through a **closed-book examination** at the end of the course:

- **60 questions** (covering Plant, LV, and Safety Rules application).
- **Pass mark: 70%.**

Course Schedule (Summary)

The course runs over four days, combining:

- Classroom-based instruction.
- Worked examples and case studies.
- Group discussions and Q&A.
- Practical document preparation and audit exercises.

Key Topics Include:

- Safety Rules overview and general provisions.
- Plant hazards and safe systems of work.
- Confined space entry and working at height.
- Low Voltage systems, substations, and apparatus.
- Safety Documentation preparation, issue, and audit.
- Case studies, practical examples, and scenario-based exercises.

Who Should Attend

This course is intended for prospective **Senior Authorised Persons (SAPs)** seeking authorisation for work on Plant and Low Voltage Apparatus.
It is also suitable for engineers, technicians, supervisors, and managers who require a deeper understanding of applying the Safety Rules to Plant and LV systems.

Further Resources

- HSE Website: www.hse.gov.uk
- HSG85 PDF
- Course Content – Hand Out
- Rosa Engineering Definitions – Hand Out

For questions or follow-up, please contact:

info@rosaengineering.co.uk
01977 367119
www.rosaengineering.co.uk

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