

NR10 Electric Power System High Voltage Refresh

COURSE: NR-10 – PERIODICAL COMPLEMENTARY COURSE – ELECTRIC POWER SYSTEM - EPS REFRESH

SCOPE AND APPLICABILITY:

Establish the minimum requirements and conditions aimed the implementation of control measures and preventive systems, in order to ensure the safety and health of workers who directly or indirectly interact in electrical power system and High Voltage. Applies to the stages of generation, transmission, distribution and consumption, including the stages of design, construction, installation, operation, maintenance of electrical installations and any work done in surroundings.

REGULATIONS & STANDARDS:

- NR10;
- NR37;
- NBR 16577.

COURSE CONTENT:

- 1. Organization of the Electric Power System – EPS.**
 - a) Records and registration of facilities;
 - b) Program and services plans;
 - c) Working methods and Procedures;
 - d) Impeditive conditions of Work.
 - 2. Typical risks and its prevention:**
 - a) Proximity and contact with powered parts;
 - b) Induction;
 - c) Static discharges;
 - 3. Technical Live Working:**
 - a) Live line;
 - b) Potential;
 - c) Indoors.
- d) Electric and magnetic fields;
 - e) Typical accidents;
 - f) Collective and Individual safety protection systems;
 - g) Work equipment and tools (choice, use, conservation, verification, tests).

COURSE DESIGN

TOTAL: 16 hours

PREREQUISITE(S):

A valid NR10 Basic Safety Training for Electrical Installations NR10 Complementary SEP of 40h previously done.

MINIMUM/MAXIMUM NUMBER OF DELEGATES

This course requires a minimum of 1, and a maximum number of 12 trainees.

To offshore trainings, the course number of trainees will comply with the vessels/rig necessity.

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MAIN SAFETY ISSUES:

- Special cares with tools that are used in energized machinery;
- Selection, inspection and use of related tools and PPEs;
- Individual and Collective measures of protection against electricity;
- Risk evaluation in the workplace;
- Risk Control in the workplace;
- Distractions and fatalities;
- Electricity Detection.

CERTIFICATION:

Training certificate signed by responsible Engineer accredited by Brazilian CREA.
Conducted in person, it has the minimum content required by NR-37 High Tension.

CERTIFICATE VALIDITY PERIOD:

2 years.