

LSP356

NR-10 - Refresh - Safety for Electrical Installations and Services

Duration 2 days

Target group Industrial and maritime workers who deal directly or indirectly with

electricity.

Prerequisites - RG and CPF;

Passport (expatriate);

- Have a NR10 - 40hours certificate of Basic Safety for Electrical Installation

and Services.

Objective Qualify workers from industrial and maritime areas who deal directly or

indirectly with electricity.

Contents Theory - 16 Hours

1. Risks in Facilities and Services with Electricity:

a) Electric shock, mechanisms and effects; b) electric arcs; Burns and falls;

c) Electromagnetic fields.

2. Risk Analysis Techniques;

3. Control Measures of Electrical Risk:

a) de-energization;

b) functional grounding (TN/TT/IT); protection; temporary;

c) equipotentialization;

d) automatic feeding sectioning;

e) leakage current devices; f) extra low voltage;

g) barriers and wrappers;

h) blockages and impediments;

i) obstacles and bulkheads;

j) Insulation of the living parts;k) double or reinforced insulation;

I) out-of-reach placement;

m) electrical separation.

4. Brazilian Technical Standards - NBR of ABNT: NBR-5410, NBR 14039 and others;

5. Ministry of Labor Regulations:

a) NR's;

b) NR-10 (Safety in installations and services with electricity);

c) Qualification; license, empowerment and authorization.

6. Collective Protective Equipment; 7. Personal Protective Equipment.

Technical Reference: NR-10, Ministry of Labor and Employment regulations and complementary jurisprudence.

Exam

Multiple choice exam with minimum passing grade of 60%.

Validity: 2 years