

ELECTRICIAN ABILITY [B1v B2v BC BR BS]

COURSE AIM

- Operate safely on all or part of an operational installation,
- Learning regulation according to the standard NF C 18-510,
- Apply LV safety instructions related to Lockout, general interventions, off power work or in the vicinity of electrical works or installations,
- Issuance of an Ability Title pre-filled with the symbols proposed by the trainer.

TARGET GROUP

Non-electrician operating or maintenance staff required to perform simple operations, replacement of connections and / or maneuvers on electrical works.

COURSE CONTENT

The delegates will get knowledge, understanding and proficiency of the following subjects
Common themes:

- Effects of the current on the human body: electrification, electrocution, burns,
- Works or installations: voltage ranges, limits and recognition of materials,
- Environmental zones and their boundaries.
Ability: principle, symbols, limits and formalization:
- Risk analysis and implementation of general prevention principles,
- Operations Monitoring,
- Securing a circuit: power off, voltage tester, lockout, setting out of range,
- Collective and individual protective equipment: identification, verification, use,
- Work equipment used (ladders, hand tools ...): risks and implementation,
- Fires and accidents on or near electrical works and installations.
Technical topics:
- Type, structure and operation of works and facilities (line and substation),
- Function of the electrical equipment of the substations: control, protection, separation,
- Induction and capacitive coupling and associated preventive measure (equipotentiality),
- Locking and interlocking devices,
- Collective protective equipment: identification, verification, use,
- Personal protective equipment: identification, verification, use.
Specific themes B1v, B2v, B2v Test (Essai):
- Characterization of work and limits: de-energized, energized with / without vicinity,
- Lockout officer and electrical operation officer: role, instructions, information exchange,
- Ability: symbol and limits,
- Prevention measures to be applied during work: eliminate risk, organize, delimit, report, respect and enforce,
- Electrical equipment in their environment: function, characteristics, identification,
- Applicable documents during work: safety instructions, lockout certificate, lockout first stage certificate, work authorization, notice of work termination,
- Work equipment used: risk, verification, identification, use,
- Safety instructions for Tests (for "Test" attribute).
Specific themes BC:
- Function of electrical equipment: isolation, protection, separation ...
- Electrical operation officer and work officer: role, instructions, exchange of information.
- Steps and documents applicable to lockout: one or two-stage lockout certificate, Notice of termination of work ..
Specific themes BR BS
- Limits of Abilities BR and BS,
- Functions of electrical equipments: disconnection, protection, control, separation,
- Electrical operation officer: role, instructions, exchange (documents, information), Instructions respect,

- Work equipment used: risk, verification, identification, use,
- Documents applicable during an intervention: work authorization, safety instructions ...,
- Prevention measures to be applied during a general LV intervention: eliminate risk, organize, delimit, report, respect and enforce,
- Steps and documents applicable to a lockout for its own account.

COMPETENCY

Delegates are required to pass an assessment at the session beginning of the necessary prerequisites for attending the training, a written or verbal examination of theory at the end of each module then an assessment of aptitude through practical situations and / or role-playing.

PRE REQUISITE

Possessing technical skills in electricity is mandatory to follow this training

METHOD OF TRAINING

Theory conducted in a classroom including presentations and discussions based on lived experiences, followed by practical & simulation training and assessment and will include the visual teaching aids, writing materials, specific equipment for electrical ability and provision of catering.

COURSE DURATION

Three (3) days.

RATIO OF THE TRAINING

80% Theory / 20% Practical

VALIDY OF CERTIFICATE

3 years

