

(L-AUS) Low Voltage Work: DS/EN 50110

Duration 135 Minutes

Target group Working on or near electrical installations.

Prerequisites No prerequisites are required to sit this course.

Objective

Module 1 -
 Section 1 – Introduction to Low Voltage Work Under Voltage, L-AUS
 LO1: Describe the history of safety within the electrical trade industry
 LO2: Introduce and summarise Low Voltage Work Under Voltage, L-AUS
 LO3: Explain the legal framework
 LO4: Outline the objectives of the DS/EN 50110-1:2013
 LO5: Identify where the standard applies
 Section 2 – An Organisation's Responsibilities
 LO6: Identify who is responsible according to the standard
 LO7: Explain an organisation's responsibilities for overall planning
 LO8: Explain an organisation's responsibility for providing training
 LO9: Define skilled and instructed persons and outline their responsibilities
 LO10: Explain the meaning of internal management systems
 LO11: Outline the necessity of conducting risk assessments
 Section 3 – Common Electrical Hazards and Safety Equipment
 LO12: Describe injuries that can be caused by common electrical hazards
 LO13: Identify the purpose of different types of personal protective equipment
 LO14: Outline and describe the different categories of hand tools suitable for working within electrical installations
 LO15: Describe the purpose of protection against adjacent live parts
 Section 4 – Measuring Instruments
 LO16: Explain the purpose of measuring instruments, and identify the benefits of different types
 LO17: Explain the safety features of multimeters
 LO18: Describe the purpose of safety categories and where different categories of measuring instruments can typically be used
 LO19: Identify risks associated with the practical use of measuring instruments
 LO20: Explain the benefits and risks of the hold function
 Section 5 – When Accidents Happen
 LO21: Explain the importance of knowing first aid
 LO22: Identify when to carry out CPR
 LO23: Describe the purpose of defibrillators and how they work
 LO24: Explain how to place someone in the recovery position
 LO25: Explain how rescue sticks work
 LO26: Explain how lifelines work
 LO27: Identify the correct procedure for reporting accidents

Module 2 -
 Section 1 – Roles and Responsibilities
 LO1: Outline the role and responsibilities of the Operations Manager
 LO2: Outline the role and responsibilities of the Safety Supervisor
 Section 2 – Safety at the Worksite
 LO3: Describe the steps that must be taken before work commences
 LO4: Identify levels of access for different types of installations and personnel
 LO5: Explain safety precautions to take when operating fuses

LO6: Identify safety precautions to take when working on non-insulated overhead lines
Section 3 – Working Methods
LO7: Outline the different types of working methods and associated safety measures
LO8: Identify the steps that must be taken to remove safety measures
LO9: Describe when an installation can be categorised as energised
LO10: Outline safety precautions to consider when carrying out maintenance work

Contents

The course is available in the following languages: English; Danish
The aim of this course is to provide you with a detailed explanation of L-AUS requirements and how to work safely when near electrical installations. The course will also focus on the legal framework, organisational responsibilities, common electrical hazards and safety equipment, measuring instruments and what to do when accidents occur. Following completion of this course you will have learned and have an understanding of low voltage level electrical installations. You will also be able to show an understanding of the safety-related aspects, carry out risk assessment and use and inspect both suitable tools as well as personal protective equipment. This course will give you the necessary training to work with dead installations, live installations and in the vicinity of live installations. In addition, the course includes a basic knowledge of first aid in relation to electrical installations.
This course is designed in accordance to the European standard EN 50110.

Exam

The assessment is taken during the course and is within the expected duration.