RelyOn Nutec
360° Safety

LBSRDL037

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

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| **Duration** | 135 Minutes |
| **Target group** | Working on or near electrical installations. |
| **Prerequisites** | No prerequisites are required to sit this course. |
| **Objective** | Module 1 -<br>Section 1 – Introduction to Low Voltage Work Under Voltage, L-AUS<br>LO1: Describe the history of safety within the electrical trade industry<br>LO2: Introduce and summarise Low Voltage Work Under Voltage, L-AUS<br>LO3: Explain the legal framework<br>LO4: Outline the objectives of the DS/EN 50110-1:2013<br>LO5: Identify where the standard applies<br>Section 2 – An Organisation's Responsibilities<br>LO6: Identify who is responsible according to the standard<br>LO7: Explain an organisation's responsibilities for overall planning<br>LO8: Explain an organisation's responsibility for providing training<br>LO9: Define skilled and instructed persons and outline their responsibilities<br>LO10: Explain the meaning of internal management systems<br>LO11: Outline the necessity of conducting risk assessments<br>Section 3 – Common Electrical Hazards and Safety Equipment<br>LO12: Describe injuries that can be caused by common electrical hazards<br>LO13: Identify the purpose of different types of personal protective equipment<br>LO14: Outline and describe the different categories of hand tools suitable for working within electrical installations<br>LO15: Describe the purpose of protection against adjacent live parts<br>Section 4 – Measuring Instruments<br>LO16: Explain the purpose of measuring instruments, and identify the benefits of different types<br>LO17: Explain the safety features of multimeters<br>LO18: Describe the purpose of safety categories and where different categories of measuring instruments can typically be used<br>LO19: Identify risks associated with the practical use of measuring instruments<br>LO20: Explain the benefits and risks of the hold function<br>Section 5 – When Accidents Happen<br>LO21: Explain the importance of knowing first aid<br>LO22: Identify when to carry out CPR<br>LO23: Describe the purpose of defibrillators and how they work<br>LO24: Explain how to place someone in the recovery position<br>LO25: Explain how rescue sticks work<br>LO26: Explain how lifelines work<br>LO27: Identify the correct procedure for reporting accidents<br><br>Module 2 -<br>Section 1 – Roles and Responsibilities<br>LO1: Outline the role and responsibilities of the Operations Manager<br>LO2: Outline the role and responsibilities of the Safety Supervisor<br>Section 2 – Safety at the Worksite<br>LO3: Describe the steps that must be taken before work commences<br>LO4: Identify levels of access for different types of installations and personnel<br>LO5: Explain safety precautions to take when operating fuses |

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| | LO6: Identify safety precautions to take when working on non-insulated overhead lines<br>Section 3 – Working Methods<br>LO7: Outline the different types of working methods and associated safety measures<br>LO8: Identify the steps that must be taken to remove safety measures<br>LO9: Describe when an installation can be categorised as energised<br>LO10: Outline safety precautions to consider when carrying out maintenance work |
| **Contents** | The course is available in the following languages: English; Danish<br>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 understnading 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 trianing 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.<br>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. |