



UETDRMP011 Testing of connections to low voltage electricity networks

Module purpose	This unit provides the learner with the knowledge and skills to correctly carry out service and connection testing procedures for new or existing customer installations.
For whom	All personnel required to carry out servicing and connection testing procedures.
Prerequisites	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace UEECD0019 Fabricate, assemble and dismantle utilities industry components UEECD0044 Solve problems in multiple path circuits UEECD0046 Solve problems in single path circuits UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications UEEEL0020 Solve problems in low voltage a.c. circuits UEEEL0021 Solve problems in magnetic and electromagnetic devices UETDREL001 Apply environmental requirements and UETDREL004 Operate plant and equipment in the vicinity of live electrical apparatus UETDREL005 Work safely in the vicinity of live electrical apparatus UETDRIS010 Install and maintain low voltage overhead services or UETDREL005 Work safely in the vicinity of live electrical apparatus UETDRIS011 Install and maintain low voltage underground services or UETDRIS014 Install and replace energy meters and associated equipment

Summary of content

- Servicing Safety Processes
 - Personal protective equipment
 - Hazard Identification & Risk Assessment
- Disconnecting or reconnecting a consumer's mains or submains neutral
- Servicing Test Processes
 - Testing for De-energised
 - Establishing the Neutral Integrity Test Point Test
 - Identifying and marking neutrals
 - Continuity test to identify conductors when ID unknown.
 - Polarity, NST & Check Testing
 - Phase Sequence Testing Procedure
 - Continuity & Insulation resistance test
 - Load Testing
- Identify and rectify faults.
- The Neutral and Supply Tester
- VESI Installation Supply Connection Tests & Procedures



- Service height requirements according to asset regulations and company policy
- LV Customer Installation Safety Regulations and Procedures
 - Customer notification and standard forms
 - Certificate of electrical safety
 - Notice of installation defect
 - Statement of isolation of Customers Low Voltage Supply (SILV)

Assessment

Written and practical assessment demonstrating the skills and knowledge to complete the tasks allocated in the VESI Installation Supply and Connections Testing Procedures table 1 for the nominated role.

Planned duration

Training session:
 Initial: 8 hours
 Refresher 4 hours (Note: depending on additional requirements imposed by the VESI STRC Committee)
 Written Assessment: 30 minutes
 Practical Assessment: 45 minutes per participant
 Maximum of 8 participants.

Frequency

Annual Assessment / Refresher Training, or as industry requirements change.

