



Australian Government

CUALGT312 Repair and maintain lighting equipment

Release: 1

CUALGT312 Repair and maintain lighting equipment

Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to undertake basic repairs to and maintain lighting equipment and accessories used in the screen, media, entertainment and events industries. It involves identifying and resolving technical faults according to safety requirements and organisational procedures.

The unit applies to those who maintain lighting equipment using some discretion and judgement and operate under broad supervision within an established framework of plans and procedures.

In some States and Territories of Australia, a restricted electrical licence is required to repair and maintain production equipment. Restricted electrical licences allow a person to carry out electrical work incidental to a trade. Incidental work may include fault-finding on equipment or changing like for like equipment by disconnecting and reconnecting the fixed wiring. It does not include any other changes to the fixed wiring.

Testing and tagging of electrical equipment must be carried out by a person with the required certificate of competency in accordance with the performance specifications of:

- Australian Standard 3760: 200 In-service safety inspection and testing of electrical equipment
- Australian Standard 3002: 1985 Electrical installations - shows and carnivals.

In some States and Territories a licensed electrician would be required to undertake the tasks outlined in Element 2.

Users are advised to check with the relevant licensing authority for requirements.

Unit Sector

Media and Entertainment Production – Lighting

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential</i>	<i>Performance criteria describe the performance needed to</i>

ELEMENT	PERFORMANCE CRITERIA
<i>outcomes.</i>	<i>demonstrate achievement of the element.</i>
1. Undertake routine maintenance tasks	1.1 Clean and maintain equipment according to organisational procedures 1.2 Conduct safety checks on equipment according to manufacturer instructions and work health and safety (WHS) guidelines 1.3 Check and replace spares and consumables 1.4 Confirm production equipment available at specified locations 1.5 Complete required documentation provide copies to required personnel
2. Undertake repair tasks	2.1 Identify faults and follow manufacturer instructions and organisational procedures 2.2 Isolate fault to specific equipment or parts of equipment using fault detection procedures 2.3 Determine nature of repair requirements 2.4 Tag faulty production equipment according to organisational procedures 2.5 Make minor repairs to faulty equipment according to safety requirements and manufacturer instructions 2.6 Refer complex repairs to technical specialists or licensed personnel 2.7 Discuss faults and repair needs with technical specialists using correct terminology
3. Comply with safety, legislative and organisational requirements	3.1 Make simple modifications to equipment using current safety measures 3.2 Complete documentation according to organisational procedures and distribute to required personnel 3.3 Review repair and maintenance activities for compliance with legislation

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	<ul style="list-style-type: none"> Interprets service documentation and manuals

SKILL	DESCRIPTION
Writing	<ul style="list-style-type: none"> • Completes fault and maintenance reports using clear language and industry terminology • Tags or labels equipment according to its repair status
Oral communication	<ul style="list-style-type: none"> • Obtains information by listening and questioning • Uses clear language to contribute information and express requirements
Self-management	<ul style="list-style-type: none"> • Understands and completes main tasks and responsibilities, within the boundaries of own role • Meets work deadlines
Teamwork	<ul style="list-style-type: none"> • Works collaboratively with required personnel
Problem solving	<ul style="list-style-type: none"> • Adopts a methodical and logical approach to completing basic repairs to lighting equipment • Re-assembles and re-aligns lighting equipment under repair • Anticipates and addresses issues that arise while repairing lighting equipment

Unit Mapping Information

Supersedes and is equivalent to CUALGT302 Repair and maintain lighting equipment.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5>