



Australian Government

CUASOU303 Repair and maintain audio equipment

Release: 2

CUASOU303 Repair and maintain audio equipment

Modification History

Release	Comments
Release 2	This version released with CUA Creative Arts and Culture Training Package version 2.0. Updated assessment conditions section. Updated modification history section to reflect changed name of training package.
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 1.0.

Application

This unit describes the performance outcomes, skills and knowledge required to undertake basic repairs to, and maintain, audio equipment and accessories used in the screen, media, entertainment and events industries. At this level, individuals are required to use 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 relevant 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.

Unit Sector

Media and entertainment production - audio/sound

Elements and Performance Criteria

Elements <i>Elements describe the essential outcomes.</i>	Performance Criteria <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Undertake routine maintenance tasks	1.1 Clean and maintain equipment, cables and accessories 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 and ensure production equipment is ready, and available to productions, at specified locations 1.4 Complete required documentation to ensure accurate records of checked and maintained items, and provide copies to relevant personnel
2. Undertake repair tasks	2.1 Recognise faults and safely shut down equipment if necessary, following manufacturer instructions and organisational procedures 2.2 Isolate fault to specific equipment or parts of equipment using fault detection procedures, and determine repair requirements 2.3 Tag faulty production equipment according to organisational procedures 2.4 Make minor repairs to faulty equipment according to safety requirements and manufacturer instructions and within level of own responsibility 2.5 Refer complex repairs to technical specialists or licensed personnel in consultation with relevant personnel 2.6 Where appropriate, have technical specialists pilot repairs from a remote location 2.7 Discuss faults and repair needs with technical specialists, demonstrating correct use of terminology
3. Finalise work activity	3.1 Undertake simple modifications to equipment, ensuring current safety measures and deadlines are met 3.2 Complete documentation according to organisational procedures and distribute to relevant personnel as required 3.3 Review repair and maintenance activities to ensure compliance with service documentation and manuals

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.2	Interprets service documentation and manuals
Writing	1.4, 3.2	- Completes fault and maintenance reports - Tags or labels equipment according to its repair status
Oral communication	1.4, 2.5, 2.6, 2.7, 3.2	- Obtains information by listening and questioning - Uses clear language to contribute information and express requirements
Navigate the world of work	1.1, 1.2, 1.4, 2.1, 2.3, 2.4, 2.5, 2.7, 3.1, 3.2, 3.3	- Follows workplace protocols and safety procedures - Understands and completes main tasks and responsibilities, within the boundaries of own role
Interact with others	1.4, 2.5, 2.6, 2.7, 3.2	- Works collaboratively to repair and maintain audio equipment - Follows accepted communication practices and protocols
Get the work done	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2	- Adopts a methodical and logical approach to completing basic repairs to audio equipment - Meets work deadlines - Uses appropriate tools for detecting and repairing faults - Recognises and takes responsibility for addressing predictable, and some less predictable, problems when diagnosing and repairing audio equipment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUASOU303 Repair and maintain audio	CUASOU303 Repair and maintain audio	Updated assessment conditions section.	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
equipment (Release 2)	equipment (Release 1)	Updated modification history section to reflect changed name of training package.	

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for CUASOU303 Repair and maintain audio equipment

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Performance Evidence

Evidence of the ability to:

- use appropriate tools to undertake routine repairs and maintenance on audio equipment and accessories
- apply logical fault-detection procedures
- follow safety procedures when testing and maintaining audio equipment
- refer to service and technical manuals when undertaking repair and maintenance tasks
- work collaboratively.

Note: If a specific volume or frequency is not stated, then evidence must be provided for each of the above points at least once.

Knowledge Evidence

To complete the unit requirements the individual must:

- explain typical maintenance needs and schedules for a range of audio equipment
- explain the type of cleaning agents to use with different equipment
- explain techniques and processes for detecting and repairing common faults in audio equipment
- describe common spare parts and sub-assemblies used when maintaining and repairing audio equipment
- explain the consequences of bad ventilation on audio equipment
- explain how the following apply when maintaining and repairing audio equipment:
 - voltage
 - current resistance

- power insulation
- circuit continuity
- explain the role of the restricted electrical licence, testing and tagging certification, and limitations on the type of work that can be undertaken without a licence
- describe work health and safety issues related to the repair and maintenance of audio equipment.

Assessment Conditions

Assessment must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities experienced in creative arts industry environments. The assessment environment must include access to productions or events with audio equipment.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational educational and training legislation, frameworks and/or standards.

Links

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