



Australian Government

Assessment Requirements for CUASOU308 Install and disassemble audio equipment

Release: 2

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Modification History

Release	Comments
Release 2	This version first released with CUA Creative Arts and Culture Training Package version 3.0. Updates to Knowledge Evidence
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 2.0.

Performance Evidence

Evidence of the ability to:

- interpret production documentation and requirements in collaboration with others
- safely install and disassemble audio equipment for at least three productions
- test audio equipment and accessories in line with production requirements

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

The candidate must be able to demonstrate the following knowledge to effectively complete the tasks outlined in the elements and performance criteria of this unit, and to manage tasks and reasonably foreseeable contingencies in the context of the work role.

- Basic audio principles and practice, including:
 - range of microphones and contexts in which they are used
 - microphone characteristics, e.g. frequency response, sensitivity and polar patterns
 - effect of microphone placement on quality of sound
 - characteristics of sound in a range of environments
 - signal-to-noise ratio, signal phase and audio level/headroom control
 - audible defects in analogue and digital technologies
 - features of mixers, amplifiers, speakers and effects racks
- Basic principles of acoustics, including:
 - frequency

- pitch
- amplitude
- loudness
- velocity
- wavelength
- acoustical phase
- timbre
- sound envelope
- Basic understanding of psychoacoustic principles, including:
 - spatial hearing
 - direct sound
 - early sound
 - reverberant sound
 - room design
- Techniques for installing, aligning and testing audio equipment, including:
 - understanding electrical power (e.g. voltage, distribution, phasing, load and circuit breaking)
 - knowledge of a range of sound equipment and associated operating principles (e.g. level, impedance, phase and frequency)
 - testing and tagging all electrical fittings in accordance with safety regulations
- Issues and challenges that typically arise in the context of setting up and disassembling audio equipment
- OHS requirements, including:
 - licensing requirements for persons performing high risk work and entering building sites
 - safe manual-handling techniques
 - working safely with electricity and hazardous substances
 - principles of safe listening, such as safeguards against hearing loss

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:

- audio equipment
- suitable venue
- relevant production documentation
- interaction with others.

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

Links

Companion Volume implementation guides are found in VETNet -

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