



**Australian Government**

# **Assessment Requirements for CUASOU413 Manage audio system control networks**

**Release: 1**

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## Modification History

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

## Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- configure and manage audio networks that meet production requirements on at least two different occasions.

In the course of the above, the candidate must:

- finalise plans for audio system control network that meet requirements and timelines
- test, commission and identify problems with audio system control network, taking action or reporting to required personnel as required
- follow workplace protocols and safety procedures during set up and monitoring networks
- work collaboratively with required personnel
- evaluate effectiveness of audio network operations in consultation with required personnel.

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- key factors, purpose and procedures relating to industry terminology:
  - internet protocol (IP) networking
  - digital audio consoles
  - basic digital signal processing
  - wireless sound technologies
  - auxiliary control interfaces
  - appliance testing, repair and maintenance
  - moving fader automation
  - lithium polymer (LiPo), alkaline and other applicable batteries

- cable rolling
- signal flow operation and delivery
- show-based protocols and control mediums
- key features of systems used to control audio
- terminology and definitions related to digital systems and network control
- relationship between cues and control networks
- difference between analogue and digital forms of control and switching
- concepts and procedures associated with data interfacing:
  - basic network protocols
  - communications
  - interfacing with common computer operating systems
  - network distribution
  - network topologies
  - transmission
- proprietary audio transmission protocols and other kinds of full bandwidth audio transmission topologies.

## Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- audio networking devices
- venue in which audio can be networked.

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

## Links

Companion Volume Implementation Guide is found on VETNet -

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