



**Australian Government**

# **Assessment Requirements for CUASOU403 Manage audio system control networks**

**Release: 2**

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## 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.

## Performance Evidence

Evidence of the ability to:

- configure and manage audio networks to meet production requirements on at least two occasions
- 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 the function of musical instrument digital interface (MIDI), SMPTE and show-based protocols and control mediums
- describe the main features of systems used to control audio
- explain terminology and definitions for digital systems and network control
- explain how cues relate to control networks
- explain the difference between analogue and digital forms of control and switching
- explain the following concepts and procedures associated with data interfacing:
  - basic network protocols
  - communications
  - error correction
  - interfacing with common computer operating systems
  - network distribution

- network topologies
- transmission
- explain how digital signal processing applies in control systems
- describe proprietary audio transmission protocols and other kinds of full bandwidth audio transmission topologies.

## **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 networking devices
- a venue in which audio can be networked.

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