



Australian Government

CUASOU309 Restore audio tracks

Release: 1

CUASOU309 Restore audio tracks

Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 2.0.

Application

This unit describes the skills and knowledge required to perform restoration work on recorded audio tracks.

It applies to individuals who restore fragile and archival audio tracks in film, television, radio, audio post-production and archival environments.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Media and entertainment production – audio/sound

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Clarify scope of restoration project	1.1 Interpret documentation and confirm restoration requirements with relevant people 1.2 Locate source material for restoration and confirm that it is the most original and best quality recording with relevant people 1.3 Evaluate condition of source material and discuss its fitness for playback or restoration with relevant people
2. Prepare source material for digital transfer	2.1 Repair and clean source material in preparation for playback as required 2.2 Select audio playback and recording equipment to provide the most authentic audio reproduction, taking into account fragility of the source material

ELEMENT	PERFORMANCE CRITERIA
	2.3 Set playback paths and recording settings to generate a flat, transparent and (where possible) uncompressed file 2.4 Set audio levels to achieve maximum fidelity
3. Make digital recording of source material	3.1 Create digital recording of source material in line with restoration requirements 3.2 Monitor recording and mark sections that contain audio artefacts or damage 3.3 Record from other sources if sections of original version are missing or heavily damaged
4. Apply restoration techniques to audio tracks	4.1 Select the most appropriate restoration equipment and tools 4.2 Apply manual restoration techniques to the most audible artefacts and faults 4.3 Use automated restoration processes to de-noise audio tracks as required 4.4 Seek feedback on restoration work from relevant people, and make adjustments as necessary
5. Make a copy of restored audio tracks	5.1 Apply post-production processes, including signal and noise processing, to restored audio track as required 5.2 Create master copy of restored audio track in the required format, taking into account its intended end use 5.3 Deliver master copy to relevant people in line with restoration requirements 5.4 Complete required documentation in line with restoration requirements and enterprise procedures

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	1.1, 2.4, 3.1, 5.3, 5.4	Interprets textual information from relevant sources to identify technical requirements and adherence to procedures and standards

Writing	5.4	• Uses relevant language to complete workplace documentation
Oral Communication	1.1-1.3, 3.2, 4.4	• Clearly articulates requirements using relevant language suitable to team members, and employs listening and questioning techniques to confirm understanding • Derives meaning from listening to audio playback, making suitable adjustments to audio file
Navigate the world of work	5.4	• Follows enterprise policies and procedures
Interact with others	1.1-1.3, 4.4	• Works collaboratively to identify and complete task requirements
Get the work done	1.1, 1.2, 2.2-2.4, 3.1-3.3, 4.1-4.3, 5.1, 5.2, 5.4	• Plans and sequences tasks to complete objectives • Identifies issues and analyses information to solve problems and aid in decision making • Evaluates feedback to determine solutions and improvements • Uses digital tools to complete required tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUASOU309 Restore audio tracks	CUSSOU304A Restore audio tracks	Updated to meet Standards for Training Packages. Minor edits to clarify intent.	Equivalent unit

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 CUASOU309 Restore audio tracks

Modification History

Release	Comments
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 restoration documentation and requirements, in consultation with others
- identify and remove unwanted audio artefacts and repair damage
- create a digital recording of source material
- use appropriate equipment to restore digital recording to meet restoration requirements
- apply correct post-production processes to restored audio tracks.

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

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- describe the methods used to evaluate the condition of audio tracks
- describe the different types of playback and recording equipment used in audio restoration work
- explain the manual restoration techniques used to remove audio artefacts
- explain the automated restoration processes used to de-noise audio tracks
- describe the restoration equipment and tools used in audio restoration work
- explain the issues and challenges that typically arise when restoring fragile and archival audio tracks, and how to address them.

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 tracks
- audio playback and recording equipment
- audio restoration equipment and tools

- restoration documentation.

Links

Companion Volume implementation guides are found in VETNet -

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