



Australian Government

CUABRD401 Carry out television transmission operations

Release: 1

CUABRD401 Carry out television transmission operations

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 record and replay material for television transmission in line with television technical standards and production requirements.

It applies to individuals who maintain the technical quality of vision and audio signals that go to air. Even though they may work directly under a supervisor, they frequently carry a high level of responsibility for their own activities and can be responsible for supervising others.

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

Unit Sector

Media and Entertainment Production – Broadcasting

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. Set up for video recording	1.1 Confirm production and transmission requirements and accuracy of documentation with relevant broadcast operations and production personnel 1.2 Plan and organise workflow to meet production and transmission deadlines 1.3 Note instructions relating to addition of time codes, durations and cue points 1.4 Check equipment is compatible with designated video formats and convert source materials as required 1.5 Contribute to creative discussions about achieving the best

ELEMENT	PERFORMANCE CRITERIA
	outcomes for productions and transmissions 1.6 Align, connect, prepare and test equipment consistent with recording and test signal protocols and safety procedures 1.7 Resolve equipment problems that could affect completion of work within timelines
2. Capture and monitor feeds	2.1 Liaise with master control to access required feeds for recording content and patch to appropriate equipment 2.2 Record content in line with production or transmission schedules 2.3 Arrange ingestion of pre-recorded content and insert time codes where applicable 2.4 Monitor and adjust quality of vision and audio feeds in line with enterprise technical standards 2.5 Liaise with production areas during recording sessions to monitor and adjust quality of vision and audio feeds 2.6 Check supplies of stock and consumables are sufficient to meet needs 2.7 Set time code type to meet post-production requirements and the need to synchronise with other equipment 2.8 Complete video operations and store materials according to file management protocols
3. Replay for transmission and production	3.1 Check documentation and verify production and transmission requirements with relevant personnel 3.2 Check nominated replay segments are correctly identified and stored according to enterprise standards and protocols 3.3 Cue tapes and recordings to meet transmission and production requirements 3.4 Set replay parameters and replay as directed 3.5 Record and rewind instant replays in accordance with production and transmission requirements 3.6 Monitor and adjust incoming and outgoing signals according to enterprise standards and protocols
4. Finalise video operations	4.1 Complete and distribute documentation according to enterprise procedures 4.2 Dub duplicate recordings to designated media format for back-up or archiving 4.3 Check condition of equipment, arrange for faults to be repaired

ELEMENT	PERFORMANCE CRITERIA
	and leave workplace in original or improved state 4.4 Review and reflect on performance and note areas for improvement

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	1.1-1.3, 2.2, 3.1, 3.2	Recognises and interprets textual information from documentation to determine production requirements
Writing	1.2, 2.2, 4.1	Prepares notes, reports and other documentation using clear and technically specific language
Oral Communication	1.1, 1.5, 2.1, 2.5, 3.1	- Explains production requirements using language and features appropriate to the audience - Uses listening and questioning to elicit the views and opinions of others
Numeracy	2.7	Calculates how to synchronise equipment to meet production requirements
Navigate the world of work	1.6, 2.4, 3.2, 3.6, 4.1, 4.3	Takes responsibility for ensuring all aspects of the television transmission meet enterprise standards and protocols, including safety requirements
Interact with others	1.5, 2.1, 2.5, 3.1	- Works collaboratively to achieve required outcomes - Uses appropriate communication practices to liaise with personnel during television transmission operations
Get the work done	1.1-1.7, 2.1-2.8, 3.1-3.6, 4.2-4.4	- Plans and organises equipment and tasks to meet required outcomes - Implements activities according to plan, identifying and rectifying any issues that occur - Uses digital tools and technologies to record and convert material for broadcast and to access, document and distribute information

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUABRD401 Carry out television transmission operations	CUFBRD401A Coordinate television transmission operations	Updated to meet Standards for Training Packages. Title changed to reflect unit outcome. Performance criteria edited for clarity.	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 CUABRD401 Carry out television transmission operations

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Performance Evidence

Evidence of the ability to:

- prepare video material in correct format for television transmission
- set up and check recording equipment is working to specifications
- interpret and apply production and transmission instructions and schedules
- record content for broadcast from feeds, in collaboration with others
- take responsibility for quality of audio and video feeds in line with production requirements and enterprise procedures
- cue and replay material to air in line with production requirements
- prepare and store back-up recordings according to enterprise procedures
- complete workplace documentation in a timely fashion.

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:

- outline current technical standards for television production and transmission
- outline enterprise protocols and safety procedures for preparation of video material for television transmission
- describe roles and responsibilities of personnel in broadcast operations and production
- explain the relevance of time codes, durations and cue points for video recording
- outline methods for checking that equipment and video formats are compatible, and for converting incompatible source materials
- identify typical problems that may arise in the context of television transmission operations and briefly describe solutions
- explain the process for reviewing quality of video and audio feeds
- outline typical procedures for backing up and storing recordings.

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:

- a television broadcasting facility
- materials to be prepared for television broadcast
- 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

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