



Australian Government

CUABRD411 Carry out transmission operations

Release: 2

CUABRD411 Carry out transmission operations

Modification History

Release	Comments
Release 2	This version first released with CUA Creative Arts and Culture Training Package version 5.1. Version created to correct unit mapping error.
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 5.0.

Application

This unit describes the skills and knowledge required to prepare, record and replay material for transmission in line with technical standards and production requirements. Individuals ensure recording is set up correctly, access feeds and receive incoming signals, record content, and manage transmissions.

The unit applies to those 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. Plan transmission operations	1.1 Prepare production and transmission documentation and confirm production requirements in collaboration with required personnel 1.2 Conduct workflow planning and organisation for production and transmission deadlines 1.3 Check equipment compatibility with required transmission formats and convert source materials as required

ELEMENT	PERFORMANCE CRITERIA
	1.4 Align, connect, prepare and test equipment according to organisational standards and safety procedures, resolving any equipment problems
2. Prepare transmission materials	2.1 Receive incoming signals and ensure conversion to format used for transmission that meets organisational requirements 2.2 Identify, time, and sequence program components according to organisational standards and collate for transmission 2.3 Insert applicable time codes and cue points, ensuring breaks are scheduled and programmed correctly
3. Capture and monitor feeds	3.1 Access required feeds for recording content and patch to applicable equipment in liaison with master control 3.2 Identify or record content to be transmitted in line with production requirements 3.3 Arrange ingestion of pre-recorded content and insert time codes 3.4 Connect equipment and switch feeds according to production requirements 3.5 Monitor and adjust quality of vision and audio feeds in line with organisational standards in collaboration with required personnel 3.6 Set time code types and synchronise with other equipment according to production requirements 3.7 Complete production and transmission operations and store materials according to file management standards
4. Replay for transmission and production	4.1 Nominate replay segments and ensure segments correctly identified and stored according to organisational standards 4.2 Cue tapes and recordings according to production requirements 4.3 Set replay parameters and replay as directed 4.4 Monitor and adjust incoming and outgoing signals according to organisational standards
5. Finalise operations	5.1 Dub duplicate recordings on designated media format and back-up or archive copies 5.2 Check condition of equipment, arrange for repair of faults and leave workplace in original or improved state 5.3 Review and reflect on performance and note areas for improvement

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	• Performs calculations according to production requirements
Oral communication	• Explains production requirements using language and features applicable to audience • Elicits views and opinions of others using listening and questioning
Reading	• Recognises and interprets textual information from documentation and determines production requirements
Writing	• Prepares notes, reports and other documentation using clear and technically specific language
Initiative and enterprise	• Takes responsibility for ensuring all aspects of transmission • Ensures production meets organisational standards and protocols, including safety procedures • Implements activities according to plan, identifying and rectifying any issues that occur
Planning and organising	• Plans and organises equipment and tasks according to production requirements
Teamwork	• Liaises with personnel during television transmission operations using applicable communication practices
Technology	• Records and converts material for broadcast to access, document and distribute information using digital tools and technologies

Unit Mapping Information

Supersedes and is equivalent to CUABRD401 Carry out television transmission operations.
Supersedes and is not equivalent to CUABRD301 Perform basic transmission operations, CUABRT403 Ensure quality of broadcast output and CUABRD303 Prepare video material for television transmission.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for CUABRD411 Carry out transmission operations

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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:

- carry out at least two transmission operations according to different production requirements.

In the course of the above, the candidate must:

- produce required planning documentation
- prepare required transmission material
- set up and check recording equipment working to specifications
- confirm and apply production and transmission instructions and schedules
- record content for broadcast from feeds in collaboration with others
- confirm quality of audio and video feeds meets organisational standards
- cue and replay material to air
- prepare and store back-up recordings according to organisational standards
- complete workplace documentation.

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:

- industry technical standards for common productions and transmissions
- project management tools associated with carrying out transmission operations
- organisational standards and safety procedures for carrying out transmission operations
- roles and responsibilities of personnel in broadcast operations and production
- the relevance of time codes, durations and cue points for video recording

- methods to ensure equipment and video formats are compatible, and for converting incompatible source materials
- strategies to resolve typical problems that may arise in the context of transmission operations
- process for reviewing quality of video and audio feeds
- typical procedures for backing up and storing recordings.

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:

- broadcasting facilities required to demonstrate the performance evidence
- materials to be prepared for broadcast transmission
- interaction with others required to demonstrate the performance evidence.

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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