



Australian Government

CUABRD511 Operate master control

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.

Application

This unit describes the skills and knowledge required to plan master control operations, organise feed and equipment setup, and manage traffic flows of incoming and outgoing television or radio transmission signals using master control equipment.

The unit applies to those who work in large-scale or network broadcasting facilities and who manage complex operational activities incorporating a high level of responsibility, including management of a broadcast operations team. They apply well-developed communication, technical and problem-solving skills to ensure program sources and signals are of a high quality and workarounds are found to minimise disruptions to transmissions.

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 master control operations	1.1 Analyse production and transmission schedules and determine master control requirements 1.2 Anticipate and resolve potential problems in collaboration with required personnel 1.3 Check equipment, signal pathways and access to input and output feeds meet transmission and production requirements
2. Organise feeds and equipment requests	2.1 Organise line connections and switching applicable for delivery method used for incoming and outgoing feeds 2.2 Check equipment is operational and connected according to

ELEMENT	PERFORMANCE CRITERIA
	transmission and production requirements 2.3 Measure signal parameters against required organisational standards before and after conversion and adjust as required 2.4 Complete workplace documentation according to organisational procedures
3. Monitor incoming and outgoing feeds	3.1 Supervise process of switching feeds into and out of master control during transmissions or recording of productions 3.2 Check quality of feeds meets organisational standards 3.3 Verify signals are free of distortion and within specifications using test equipment 3.4 Adjust systems and rectify signal problems as required 3.5 Diagnose and resolve equipment and transmission faults according to organisational standards 3.6 Maintain required broadcast quality and facilitate efficient switching of up-links and down-links in communication with feed providers
4. Provide general technical and operational support	4.1 Assess transmission levels and advise required personnel of problems with feed quality 4.2 Supervise recording or ingesting incoming signals and delivery of recorded material to transmission and production destinations according to organisational standards 4.3 Organise alternate fail-safe and back-up signal paths in event of breakdowns or failures of prime sources 4.4 Ensure information about workplace safety and security procedures is readily available for required personnel

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
Oral communication	- Obtains information by listening and questioning - Contributes information and expresses requirements using clear language
Reading	- Analyses and evaluates textual information and technical specifications - Reads analysis and determines accuracy of information and production requirements
Writing	Completes workplace documentation according to organisational standards

SKILL	DESCRIPTION
Initiative and enterprise	• Resolves creative and technical problems and issues according to organisational standards • Diagnoses and rectifies equipment faults and technical quality issues and ensures production requirements are met
Planning and organising	• Schedules, plans and monitors complex transmission activities
Self-management	• Follows organisational standards and production requirements
Teamwork	• Liaises and collaborates with different people using appropriate communication practices and protocols • Supervises others using industry accepted communication practices

Unit Mapping Information

Supersedes and is equivalent to CUABRD501 Operate master control.

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 CUABRD511 Operate master control

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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:

- operate master control for at least two broadcasts.

In the course of the above, the candidate must:

- plan technical and logistical aspects of master control operations for broadcasting scheduled programs using production and transmission schedules
- check line connections and equipment ready for incoming and outgoing feeds
- direct time switching of incoming and outgoing feeds according to transmission requirements
- check quality of incoming and outgoing feeds
- work collaboratively as team leader
- troubleshoot and resolve transmission and equipment problems.

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:

- different roles and responsibilities of broadcast operations personnel
- implications of different broadcast formats for master control operations
- typical broadcast systems and transmission facilities for radio or television
- different features of delivery methods for radio or television
- technological developments relating to master control operations
- organisational standards and procedures relating to master control operations
- strategies to resolve typical problems that arise in the context of complex master control operations
- strategies to manage and work collaboratively with a team
- process for assessing whether quality of feeds meets organisational standards.

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:

- master control equipment
- production and transmission schedules
- 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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