



**Australian Government**

# **CUABRD511 Operate master control**

**Release: 1**

## CUABRD511 Operate master control

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

## 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	<ul style="list-style-type: none"> <li>Obtains information by listening and questioning</li> <li>Contributes information and expresses requirements using clear language</li> </ul>
Reading	<ul style="list-style-type: none"> <li>Analyses and evaluates textual information and technical specifications</li> <li>Reads analysis and determines accuracy of information and production requirements</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Completes workplace documentation according to organisational standards</li> </ul>

SKILL	DESCRIPTION
Initiative and enterprise	<ul style="list-style-type: none"><li>• Resolves creative and technical problems and issues according to organisational standards</li><li>• Diagnoses and rectifies equipment faults and technical quality issues and ensures production requirements are met</li></ul>
Planning and organising	<ul style="list-style-type: none"><li>• Schedules, plans and monitors complex transmission activities</li></ul>
Self-management	<ul style="list-style-type: none"><li>• Follows organisational standards and production requirements</li></ul>
Teamwork	<ul style="list-style-type: none"><li>• Liaises and collaborates with different people using appropriate communication practices and protocols</li><li>• Supervises others using industry accepted communication practices</li></ul>

## 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>