



Australian Government

CUABRD501 Operate master control

Release: 1

CUABRD501 Operate master control

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 manage, monitor and assess traffic flows of incoming and outgoing television or radio transmission signals using master or network control equipment.

It applies to individuals in large-scale or network broadcasting facilities 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 or network control operations	1.1 Analyse production and transmission schedules to determine master or network control requirements 1.2 Anticipate and resolve potential problems in collaboration with broadcast operations team members and production personnel 1.3 Check equipment, signal pathways and access to input and output feeds meet transmission and production requirements 1.4 Keep up-to-date with technological changes affecting master

ELEMENT	PERFORMANCE CRITERIA
	control operations and incorporate into planning where appropriate
2. Schedule feeds and equipment requests	2.1 Organise line connections and switching appropriate to delivery method being used for incoming and outgoing feeds 2.2 Check equipment is operational and connected according to transmission and production requirements 2.3 Measure signal parameters before and after conversion and adjust, if necessary, so that converted product meets required standards 2.4 Complete workplace documentation in accordance with enterprise procedures
3. Monitor incoming and outgoing feeds	3.1 Supervise the process of switching feeds into and out of master control during transmissions or recording of productions 3.2 Check quality of feeds meets enterprise and broadcast standards 3.3 Use test equipment to verify signals are free of distortion and within specifications 3.4 Adjust systems to rectify signal problems as required 3.5 Diagnose and resolve equipment and transmission faults efficiently 3.6 Communicate with feed providers to maintain required broadcast quality and facilitate efficient switching of up-links and down-links
4. Provide general technical and operational support	4.1 Assess transmission levels and advise relevant operational personnel of problems with quality of feeds 4.2 Supervise the process of recording or ingesting incoming signals in required broadcast format and delivery of recorded material to transmission and production destinations 4.3 Organise alternate fail-safe and back-up signal paths in event of breakdowns or failures of designated prime sources 4.4 Check information about workplace safety and security procedures is readily available to broadcast operations team members 4.5 Keep team members informed of issues affecting their role and invite their input to and feedback on operations

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, 1.2, 2.1, 2.2, 3.3, 3.2	Analyses and evaluates textual information and technical specifications to determine accuracy of information and production requirements
Writing	2.4	Completes workplace documentation according to requirements
Oral Communication	3.5, 3.6, 4.1, 4.2, 4.4, 4.5	- Obtains information by listening and questioning - Uses clear language to contribute information and express requirements
Navigate the world of work	1.4, 2.4, 3.2	- Follows enterprise and production requirements - Keeps abreast of relevant technological changes affecting job role
Interact with others	3.1, 3.6, 4.1, 4.2, 4.4, 4.5	- Uses appropriate communication practices and protocols to liaise and collaborate with a range of people - Uses effective interpersonal skills to supervise others
Get the work done	1.1-1.4, 2.1-2.3, 3.1, 3.3-3.6, 4.1-4.4	- Schedules, plans and monitors complex transmission activities - Resolves creative and technical problems and issues in a timely and collaborative manner - Diagnoses and rectifies equipment faults and technical quality issues to ensure production requirements are met

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUABRD501 Operate master control	CUFBRD501A Operate master control	Updated to meet Standards for Training Packages. Performance criteria edited 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 CUABRD501 Operate master control

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Performance Evidence

Evidence of the ability to:

- use production and transmission schedules as the basis for planning technical and logistical aspects of master control operations for broadcasting scheduled programs
- check line connections and equipment are 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 a team leader to meet production transmission requirements
- troubleshoot and resolve transmission and equipment problems.

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:

- explain key roles and responsibilities of personnel in broadcast operations
- outline implications of different broadcast formats for master control operations
- describe typical broadcast systems and transmission facilities for radio or television
- outline key features of delivery methods for radio or television
- identify sources of information about technological developments relating to master control operations
- identify typical problems that arise in the context of complex master control operations, and briefly describe solutions
- explain the process for assessing whether the quality of feeds meets broadcast standards.

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:

- master control equipment
- production and transmission schedules
- 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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