Australian Government

CUABRT402 Maintain broadcast equipment and facilities

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 2.0.

Application

This unit describes the skills and knowledge required to diagnose faults and repair broadcasting facilities and equipment in a variety of different environments.

It applies to individuals who work with minimum supervision to repair faults, undertake routine maintenance and provide general technical support, working on single pieces of equipment and whole studios and systems.

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

Unit Sector

Media and Entertainment Production – Broadcast Technology

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Locate and repair faults	1.1 Use diagnostic techniques and reference material to isolate faults to equipment or parts of equipment
	1.2 Use appropriate test and diagnose equipment methodically and safely, obtaining specialist advice where required
	1.3 Consult with relevant personnel to determine the impact of repairs or maintenance on broadcast operations
	1.4 Document maintenance requirements following industry and enterprise procedures
	1.5 Provide temporary service, if necessary, to meet standards of existing equipment
	1.6 Carry out equipment repairs within scope of own job role or

ELEMENT	PERFORMANCE CRITERIA
	organise repair by specialist services following enterprise procedures
	1.7 Test performance of system or equipment for satisfactory operation on completion of repairs
2. Undertake routine maintenance	2.1 Implement equipment upgrades, as required, and align systems to manufacturer's standards and specifications
	2.2 Carry out routine alignment on broadcast systems, including scheduled replacement of mechanical parts
	2.3 Advise relevant personnel if maintenance cannot be completed or faults outside the planned maintenance schedule have been found
	2.4 Check interconnection between equipment is compatible and logical
	2.5 Implement preventative maintenance routines and carry out repairs and alterations as required
	2.6 Check, update and maintain system logbooks and fault reports following enterprise procedures
	2.7 Monitor system or equipment faults for trends of intermittent failures in device or component
	2.8 Consult with relevant personnel to ensure maintenance and maintenance procedures are met
	2.9 Complete work in a safe manner, remove waste and debris from worksite, and remove obsolete equipment following enterprise guidelines and industry standards and regulations
3. Provide general technical support	3.1 Assist relevant personnel with facility-related technical queries
	3.2 Communicate clearly with clients and other personnel about proper facilities and equipment usage and maintenance

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, 1.4, 1.6, 2.1, 2.2, 2.7-2.9	• Interprets textual information to determine and adhere to requirements

Writing	1.4, 2.6	• Completes relevant reports and documentation using clear and technically specific language
Oral Communication	1.2, 1.3, 1.6, 2.3, 2.8, 3.1, 3.2	• Provides information and advice using language suitable to audience • Uses listening and questioning techniques to confirm understanding
Numeracy	1.6, 1.7, 2.2, 2.4	• Uses mathematical formulae to calculate measurements and adjustments to equipment and settings
Navigate the world of work	1.4, 1.6, 2.9	• Understands and follows enterprise procedures, regulatory requirements and industry standards
Interact with others	1.2, 1.3, 1.6, 2.3, 2.8, 3.1, 3.2	• Uses appropriate practices and protocols to communicate with internal and external personnel
Get the work done	1.1, 1.3-1.7, 2.1-2.7, 2.9	• Adopts a methodical and logical approach to planning and prioritising required tasks • Plans, implements and monitors activities to minimise disruption to workflow • Uses analytical processes to identify and resolve problems with the maintenance of broadcast equipment and facilities

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUABRT402 Maintain broadcast equipment and facilities	CUFBRT402A Maintain broadcast equipment and facilities	Updated to meet Standards for Training Packages.	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -
https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5