CUABRT401 Install or upgrade 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 install or upgrade broadcasting equipment and facilities.

It applies to individuals who work under direction using well-developed skills to analyse and evaluate information as well as plan and manage work requirements. Occasionally they may be expected to work with minimum supervision or to 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 – 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. Prepare for installation	1.1 Confirm installation requirements with reference to system drawings and specifications in consultation with relevant personnel
	1.2 Seek out additional information and report problems where there are deficiencies in specifications following enterprise procedures
	1.3 Identify functionality of existing equipment and equipment to be installed
	1.4 Power-up and run performance tests to systems prior to installation
	1.5 Test cabling and check it is working to required specifications and capacity

ELEMENT	PERFORMANCE CRITERIA
	1.6 Test transmission for signal quality
	1.7 Check tools and equipment to ensure they are in safe working order and adjusted to manufacturer's specifications
2. Install or upgrade equipment	2.1 Safely install equipment in accordance with specifications and timelines, taking extra care with static sensitive and fragile equipment
	2.2 Place, secure and terminate a range of cables correctly, as required
	2.3 Organise and monitor cabling and equipment in compliance with industry regulations and standards
	2.4 Minimise interruption to existing service during equipment installation
	2.5 Use appropriate connections and connectors to connect equipment into the broadcast system
	2.6 Accurately test system performance to achieve valid results
	2.7 Check equipment is operational and aligned, and make adjustments as required
	2.8 Report instances of equipment non-compliance or malfunction following enterprise procedures
	2.9 Check and update technical documentation
	2.10 Identify certification requirements to ensure tests and results are relevant
3. Program system features	3.1 Install the program in accordance with system specifications
	3.2 Check system functionality matches technical requirements
	3.3 Save and record program data
	3.4 Store system specifications in a secure and accessible location
4. Clean up worksite	4.1 Clean and adjust tools and equipment and store in a secure accessible location
	4.2 Clean worksite safely and dispose of waste in accordance with environmental standards
	4.3 Recover obsolete equipment and return for refurbishment or disposal
	4.4 Restore changes made to work area during installation to customer's satisfaction
	4.5 Return system drawings and specifications to approved location on completion of work

PwC's Skills for Australia

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, 1.5, 1.7, 2.1, 2.3, 2.8-2.10, 3.1, 4.2	• Interprets system drawings and specifications to determine and adhere to job requirements
Writing	2.8, 2.9, 3.3	• Uses clear, specific and industry related terminology to complete and update workplace documentation
Oral Communication	1.1, 1.2, 2.8	• Obtains information by listening and questioning • Uses clear language to contribute information and express requirements
Numeracy	2.6, 2.7, 2.10	• Interprets diagrammatical information to determine job requirements • Uses mathematical formulae to calculate measurements and adjustments to equipment and settings
Navigate the world of work	1.2, 1.7, 2.1-2.3, 2.8, 4.1, 4.2	• Follows enterprise procedures, and regulatory and industry standards • Follows safety legislation when handling and disposing of equipment
Interact with others	1.1, 1.2, 2.8	• Uses appropriate communication practices and protocols to report deficiencies and equipment non-compliance issues • Collaborates effectively with others to achieve required outcomes
Get the work done	1.2-1.7, 2.1-2.7, 2.9, 2.10, 3.1-3.4, 4.1-4.5	• Plans and implements tasks required to meet requirements • Resolves potential and actual problems in a timely and collaborative manner, continually testing to achieve optimum performance of systems and equipment

PwC's Skills for Australia

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUABRT401 Install or upgrade broadcast equipment and facilities	CUFBRT401A Install or upgrade broadcast equipment and facilities	Updated to meet Standards for Training Packages. Performance criteria edited.	Equivalent unit

Links

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