



Australian Government

CUACAM312 Rig camera infrastructure

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 install camera infrastructure for television and other relatively complex multi-camera productions such as live sport or entertainment events. This includes preparing cabling to be rigged, ensuring equipment is operational and packing equipment at the conclusion of production activities.

The unit applies to those who work under supervision to rig cabling and dolly tracks according to predetermined camera plans.

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

Unit Sector

Media and entertainment production – Camera/cinematography

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. Prepare for cable rigs	1.1 Confirm production requirements for shoots with required personnel and select applicable camera cables 1.2 Identify and repair minor cable faults safely and in line with manufacturer instructions 1.3 Identify and refer complex repairs to technical specialists in line with organisational procedures 1.4 Complete workplace documentation in line with organisational procedures 1.5 Check camera cables are operational and ready for use on location
2. Rig camera cables	2.1 Check available power source meets production requirements 2.2 Confirm plans for cable points and cable runs from camera

ELEMENT	PERFORMANCE CRITERIA
	2.3 Establish cable points, runs and lengths according to production requirements 2.4 Avoid knotting or twisting during use by laying out excess cable 2.5 Run power cables from power source to cameras and other equipment and secure according to production requirements 2.6 Complete cable routing and patching to camera control units, cable slinging, and cable ramping safely and according to production requirements 2.7 Check camera cables run from correct outlet points to cameras 2.8 Check installed camera cables meet organisational safety standards
3. Lay tracks for dolly mounts	3.1 Position and lay tracks according to production requirements and confirm final positioning with required personnel 3.2 Secure dolly to track and check fastenings
4. Disassemble camera cables and dolly tracks	4.1 Break down cabling according to organisational procedures 4.2 Break down and carry track equipment using safe lifting techniques 4.3 Identify and report additional equipment damage to required personnel and complete required documentation 4.4 Clean and safely pack equipment and prepare for transport 4.5 Leave locations in original or improved condition

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
Numeracy	Determines cabling requirements by extracting, evaluating and comparing numerical information
Oral communication	- Listens carefully and responds to verbal instructions and creative directions as required - Reports results and faults using selected language
Reading	Interprets textual documentation to determine plans and requirements
Writing	Completes production documentation using specific language
Initiative and enterprise	- Makes decisions directly related to own role - Identifies and responds to routine problems, seeking assistance when problems are beyond immediate responsibilities or experience

SKILL	DESCRIPTION
Planning and organising	Plans, organises and implements routine tasks according to production requirements
Self-management	- Takes responsibility for meeting safety, legal and regulatory responsibilities within scope of own role - Completes tasks according to production requirements by following instructions
Teamwork	Achieves results working collaboratively with technical experts

Unit Mapping Information

Supersedes and is equivalent to CUACAM302 Rig camera infrastructure.

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 CUACAM312 Rig camera infrastructure

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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:

- rig camera infrastructure for at least three different production requirements.

In the course of the above, the candidate must:

- check cables are safe and ready for use prior to location shoots
- lay out cables and ensure they are:
 - connected safely to cameras and power sources according to camera plans
 - not crossed over and do not impede movement of cameras during shoots
- safely lay tracks for moving dollies during shoots and ensure they:
 - are smooth, level and secure throughout route
 - do not intrude on proposed shots
 - allow free movement of camera equipment and required personnel
- disassemble camera equipment and accessories at the conclusion of shoots
- ensure cables are coiled or wound onto drums
- work collaboratively with others before and during location shoots.

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:

- roles and responsibilities of camera and lighting personnel and technical specialists for common camera infrastructure
- typical cable plans used to rig camera infrastructure
- typical problems that can arise in the context of rigging camera infrastructure
- compatibility issues in relation to different types of video cameras, cables, connectors and power sources
- organisational safety standards that apply to handling cables and dolly tracks

- legal and regulatory responsibilities within scope of own role and work context
- organisational procedures for referring complex repairs to technical specialists
- organisational standards that address duty of care considerations to colleagues and the general public for personnel required to rig camera infrastructure.

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:

- productions which require rigging of camera infrastructure
- camera cables and dolly tracks
- camera plans
- 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.

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