



Australian Government

Department of Education, Employment and Workplace Relations

CUFCAM402A Shoot television content in multi-camera environment

Revision Number: 1

CUFCAM402A Shoot television content in multi-camera environment

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes, skills and knowledge required to shoot television content in a multi-camera environment. It builds on the skills associated with shooting in a single-camera environment contained in unit CUFCAM401A Shoot a wide range of television content. No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.
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Application of the Unit

Application of the unit	This unit describes the skills and knowledge required by camera operators participating in multi-camera productions. Generally they work as members of a team and under the direction of a floor manager or director. The programs may be studio-based or outside broadcasts. Typical productions include drama, comedy, light entertainment, concerts, sport, news and current affairs and audience forums. Cameras may be in fixed positions, on pedestals or hand-held. Camera operators work collaboratively and creatively with other members of a production team, including producers, directors, technical producers and talent. They can be employed by television networks or production houses, or work as freelancers on assignment.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Plan shots and camera movements	1. Participate in pre-production meetings and briefings to discuss visual interpretation, requirements and locations for intended productions 2. Liaise with relevant production personnel to confirm that planned shots and camera movements meet technical and script criteria 3. Assess camera plan to ensure individual role is consistent with overall production needs and plans 4. Interpret camera plan and other documentation to create shot lists for use during rehearsal, recording or live transmission 5. Appraise ideas for shots, taking into account the potential impact on schedules, technical feasibility and production requirements 6. Anticipate occupational and health and safety requirements as they apply to the preparation and implementation of shoots
Set up for shoots	7. Assemble camera, equipment and accessories to meet predetermined camera positions and camera movements 8. Position camera for shots to ensure the safety of relevant production personnel, talent and general public 9. Ensure appropriate camera cables are run from correct outlet points to cameras and do not impede camera movements involved in productions 10. Ensure that cameras are lined up and matched to meet production requirements 11. Charge and install headsets and ensure talkback function is operational to allow communication with relevant production personnel 12. Liaise and collaborate with other relevant production personnel and talent to maximise creative outcomes
Shoot content	13. Participate in rehearsals and adjust shot lists and schedules according to required changes 14. Re-create camera shots and movements established in rehearsal during recording or communicate clearly to production personnel unavoidable variations from the predetermined plans 15. Respond to cues received from relevant production personnel in a timely manner 16. Consider shots and angles required of other camera operators to assess how cuts and dissolves between shots

ELEMENT	PERFORMANCE CRITERIA
	can produce the required creative outcomes 17. Move camera without impeding the operation of other team members, including other camera operators and technical personnel 18. Ensure safe work practices are applied at all times
Wrap up shoots	19. Dismantle, pack and store equipment and accessories as required 20. Participate in post-production debriefings and reflect on own performance, noting areas for future improvement 21. Ensure locations are left in original state 22. Complete necessary documentation

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- communication skills sufficient to interpret creative requirements of productions
- ability to work and communicate effectively as a team member
- technical skills sufficient to:
 - operate a range of professional camera equipment in a multi-camera environment in the context of a range of program styles
 - communicate effectively using two-way communication devices during multi-camera shoots
- initiative and enterprise in the context of:
 - making creative contributions to program ideas and outcomes
 - responding quickly to changes in planned camera shots and movements
- self-management and planning skills sufficient to:
 - work under pressure
 - balance creative and technical requirements
 - evaluate own contribution to creative solutions
- literacy skills sufficient to interpret and provide written and verbal instructions, e.g. shot lists, labelling and scripts
- numeracy skills sufficient to make decisions that take account of budgetary constraints

Required knowledge

- features of a range of cameras and accessories
- framing techniques and shot composition
- concepts and techniques of cable handling and compatibility with other equipment
- duty of care to colleagues and general public, especially on location
- industry knowledge, including:
 - roles and responsibilities of production and post-production team members
 - sound understanding of the creative and technical elements of a range television productions
 - broadcast language and terminology
 - issues and challenges that arise in the context of shooting television content in a multi-camera environment
- well-developed understanding of photographic principles, such as:
 - exposure
 - tonal relationships
 - focus

REQUIRED SKILLS AND KNOWLEDGE

- light sources
- sensitivity and balancing
- camera's interpretation of colour
- colour correction techniques
- colour temperature and compensation
- OHS procedures, particularly as they relate to lifting, climbing rigs and use of electrical equipment

Evidence Guide

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence of the following is essential:

- ability to work within production deadlines and to plan and organise shot lists for a multi-camera shoot
- ability to contribute creative interpretations and ideas in the context of planning shots to meet production requirements
- collaborative approach to work, including ability to work under direction
- ability to operate cameras and ancillary equipment in a multi-camera environment
- knowledge and application of photographic principles.

Context of and specific resources for assessment

Assessment must ensure:

- access to professional equipment based on items listed in the range statement.
- access to facilities to produce a show tape, which demonstrates aptitude across a reasonable spectrum of program types and the ability to work effectively in a multi-camera environment
- opportunities to work on multi-camera shoots
- access to appropriate learning and assessment support when required
- use of culturally appropriate processes, and techniques appropriate to the language and literacy capacity of learners and the work being performed.

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- direct questioning combined with review of portfolios of evidence and third-party workplace reports of on-the-job performance
- evaluation of a range of screen content shot by the candidate in a multi-camera environment to determine whether production requirements have

EVIDENCE GUIDE	
	been met • observation of the candidate setting up and operating a camera in a multi-camera environment • written or verbal questioning to test knowledge as listed in the required skills and knowledge section of this unit.
Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example: • BSBCRT402A Collaborate in a creative process • CUFCAM401A Shoot a wide range of television content.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<i>Locations</i> may include:	• day • exterior • interior • night • studio.
<i>Productions</i> may include:	• events or performances • live or prerecorded television productions , e.g.: • music • drama • comedy • variety/infotainment • sport • studio debates • news • current affairs.
<i>Production personnel</i> may include:	• camera operator • designers • director • director of photography • floor manager • gaffer • head of department • lighting personnel • other specialist staff • other technical staff • producer • supervisor • technical director.
<i>Shots</i> may include:	• close-up • cutaway shot • establishing or master shot • extreme close-up

RANGE STATEMENT	
	• eye-level shot • high-angle • long shot • low angle • mid shot • point-of-view shot • wide shot.
Camera movements may include:	• crab • dolly • pan • static • tilt • track in/out • zoom in/zoom out.
Documentation may include:	• camera plan • computer generated/manually written • emails/SMS • production schedule • running sheets • scripts • shot lists.
Shoots may include:	• combined video and audio function • fixed/supported • hand-held operation • separate video and audio record functions • single-camera.
Equipment and accessories may include:	• cables • cameras • camera supports, e.g.: • pedestal • mounts • cranes • dollies • track • tripods • spreaders • fluid heads • cue card holders • filters

RANGE STATEMENT

	• headsets • lenses • lights • special effects equipment • two-way communication devices.
Talent may include:	• actors • general public, e.g. studio audiences, spectators • interviewees • interviewers • journalists/reporters • performers • presenters.

Unit Sector(s)

Unit sector	
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Competency field

Competency field	Media and entertainment production - Camera/cinematography
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Co-requisite units

Co-requisite units		