



Australian Government

Department of Education, Employment and Workplace Relations

CUEAUD03C Operate vision systems

Revision Number: 1

CUEAUD03C Operate vision systems

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the skills and knowledge required to operate a range of vision systems during a live production or event. 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	Technicians working with audio visual equipment in the screen, media and entertainment industries typically apply the skills and knowledge described in this unit. They are responsible for interpreting vision system production requirements and participating in run-throughs prior to performances. Often their duties also include setting up and disassembling equipment. This unit also has strong linkages to the following units, and combined training and/or assessment with those units may be appropriate, e.g.: • CUEAUD02C Prepare, rig, test and modify vision systems.
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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
1. Participate in technical or creative run through	1.1. Liaise with relevant personnel and read production documents to determine the technical and production requirements for vision systems 1.2. Participate in any required technical or creative run-through, note any equipment deficiencies or technical adjustments to be made 1.3. Plot and run through cues on direction from relevant personnel and according to equipment, sequencing, timing and speed requirements 1.4. Make any necessary changes to cues and modify cue sheets as required 1.5. Execute any necessary changes to equipment according to modifications required
2. Prepare for vision system operation	2.1. Check that final requirements for vision systems operation have been identified, implemented and documented 2.2. Check communications equipment to ensure that it is in working order 2.3. Power up and conduct a check on all primary and back-up equipment and accessories to ensure that they are in working order 2.4. Rectify any faults or problems and inform relevant personnel of any ongoing problems
3. Operate vision systems	3.1. Execute on cue all vision system operations in accordance with the running sheet and/or direction from relevant personnel 3.2. Use all equipment features correctly and liaise with other technical personnel, as required, to ensure delivery of the required vision system effect 3.3. Modify cues, as required, to cater for unexpected contingencies 3.4. React to any equipment malfunctions by rectifying the fault safely and efficiently and inform relevant personnel 3.5. Use back-up systems appropriately if required
4. Shut down and disassemble the equipment	4.1. Safely power down the equipment following manufacturer instructions and enterprise procedures 4.2. Secure vision systems to avoid damage when unattended 4.3. Break down and carry vision system and,

ELEMENT	PERFORMANCE CRITERIA
	accessories employing safe lifting techniques 4.4. Safely pack all equipment to avoid damage and prepare for transport if required 4.5. Leave the work site in the original or improved condition, ensuring that there has been no adverse impact on the site 4.6. Complete any organisational documentation accurately and provide copies to relevant personnel

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- effective communication techniques for working with others during a live performance/production
- literacy skills sufficient to interpret documentation and plans, running sheets

Required knowledge

- the role and responsibilities of the vision systems technician during the actual operation of a production/performance, including appropriate protocols to be followed
- problem solving techniques during live production in relation to issues which arise with vision systems
- the technical operational aspects of the main types vision systems
- the performance capacities and limitations of various projectors and other elements used in vision systems
- understanding other technical elements of the production/event such as staging, lighting and sound elements to be used in conjunction with vision systems
- general knowledge of rigging procedures, including licencing requirements and restrictions
- relevant organisational and legislative occupational health and safety requirements, including safe manual handling techniques

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

The following evidence is critical to the judgement of competence in this unit:

- technical knowledge of and ability to operate functions of a range of vision systems
- collect interpretation of vision system running sheets
- effective communication with clients and other technical personnel
- knowledge of occupational health and safety principles, procedures and regulations, especially safe lifting techniques.

Context of and specific resources for assessment

The assessment context must provide for:

- practical demonstration of skills using a variety of vision systems during a live production or event
- operating vision systems within typical workplace time constraints
- operation of equipment according to more than one running/cue sheet to ensure that skills can be adapted to different contexts and vision system requirements
- use of industry-current equipment.

Method of assessment

Assessment may incorporate a range of methods to assess practical skills and the application of essential underpinning knowledge, and might include:

- direct observation of the operation of vision systems by the candidate
- evaluation of vision system presentations operated by the candidate
- project or role play activities which allow the candidate to demonstrate skills in interpreting and amending running/cue sheets
- role play and test activities which highlight fault detection and rectification
- written or oral questioning to test technical knowledge of typical vision systems and occupational health and safety issues and regulations

EVIDENCE GUIDE	
	• review of portfolios of evidence and third party workplace reports of on-the job performance by the candidate. Assessment methods should closely reflect workplace demands and the needs of particular groups (e.g. people with disabilities, and people who may have literacy or numeracy difficulties such as speakers of languages other than English, remote communities and those with interrupted schooling).
Guidance information for assessment	Assessment of this unit requires access to: • use of vision system running/cue sheets • a range of standard industry current vision systems • a venue where a full range of vision systems can be operated.

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.

Relevant personnel may include:

- client
- designer
- director
- editors
- graphic artists
- head of department
- lighting and stage crew
- photographers
- sound engineers
- supervisor
- other specialist staff

Vision systems may be used in a range of environments, including:

- attractions and theme parks
- clubs
- events
- festivals
- hotels
- live theatre, front or back of house
- meeting and conference facilities
- outdoor venues
- shopping centres
- showgrounds

Equipment may include:

- amplifiers and PA systems
- cable or infra-red controllers
- communications systems (talkback)
- computerised operating console
- computers
- connectors
- lighting control or computers
- lighting fixtures
- microphones (cabled and wireless)
- monitors
- projection equipment, including:

RANGE STATEMENT	
	• 35mm slides • data grade projectors • film of any gauge • overhead projectors • surtitles • video projectors • recording and playback devices for audio and images • show relay • speakers • televisions • two-way communication sets • video players • video, digital and still cameras
Accessories may include:	• chains and other rigging • curtaining • flats • masking • mounting brackets • rostrum • screens • stands • trolleys • truss • other staging effects

Unit Sector(s)

Unit sector	
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Competency field

Competency field	Media and entertainment production - vision systems
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Co-requisite units

Co-requisite units	It is strongly recommended that this unit be assessed with or after the following unit:	
	CUEAUD06B	Apply a general knowledge of vision systems to work activities