



Australian Government

Department of Education, Employment and Workplace Relations

CUEAUD04C Develop vision system installation plans

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor	<p>This unit describes the skills and knowledge required to interpret a brief for the vision system requirements of a production or event and to design a plan for the installation of vision systems.</p> <p>No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.</p>
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Application of the Unit

Application of the unit	<p>Senior technicians or technical directors apply the skills and knowledge outlined in this unit. In this role they are responsible for developing vision system plans which requires considerable knowledge of the operational aspects of all types of vision systems.</p> <p>This unit also has strong linkages to the following units, and combined training and/or assessment is strongly recommended:</p> <ul style="list-style-type: none"> • CUVCRS03A Produce computer-aided designs (CADD).
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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. Receive and interpret the brief for vision system requirements	1.1. Interpret and confirm the <i>vision system</i> requirements for the production/event through discussions with <i>relevant personnel</i> 1.2. Identify the type of production and the available budget for the vision system component 1.3. Identify deadlines for the development of the <i>plan</i> and the <i>installation</i> according to client requirements
2. Identify all vision system components required to meet the brief	2.1. Undertake research into the style of production/event and generate and assess a range of ideas for the delivery of vision system services 2.2. Research the venue facilities and <i>constraints</i> to determine optimum positioning of vision systems to achieve the desired outcome 2.3. Determine the range and numbers of vision systems needed to meet the technical and creative requests 2.4. Determine the human and financial resources required to set up and operate the vision systems
3. Produce a vision system plan	3.1. Produce the vision system plan to reflect the brief 3.2. Take into consideration all research findings, any identified constraints, and any suggested improvements to the original brief 3.3. Draw the vision system plan to scale and title block, key or legend, and industry standard symbols 3.4. Identify all relevant information on the plan, including location and types of vision systems, <i>accessories</i> and supports or mounts and power sources 3.5. Include an accurate list of all <i>equipment</i> and technician requirements for the production/event
4. Present and update vision system plan	4.1. Present the plan to relevant personnel and explain technical requirements 4.2. Participate in the ongoing evaluation of the presented plan 4.3. Negotiate and agree to additional requirements or modifications and undertake any necessary amendments to the audiovisual plan 4.4. Make the final plan available to relevant personnel to ensure smooth installation and operation of vision systems

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- literacy skills sufficient to develop plans and communicate vision system design

Required knowledge

- the capacities and limitations of different types of vision systems and elements used in vision systems
- technical requirements and constraints of installing all types of vision systems
- rigging requirements for vision systems
- typical processes and procedures for the development of vision system plans
- costing and budget issues associated with the design of vision system installation planning, including equipment and technician costs, ways to reduce costs, ways of presenting costs
- processes and procedures typically used to ensure version control for draft and final plans
- occupational health and safety issues to be considered for vision system installation

Evidence Guide

EVIDENCE GUIDE	
<p>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.</p>	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>The following evidence is critical to the judgement of competence in this unit:</p> <ul style="list-style-type: none"> • technical knowledge of the performance capacity of range of vision systems • effective interpretation of the brief and development of workable plans to meet the brief • effective communication with clients and other technical personnel.
Context of and specific resources for assessment	<p>The assessment context must provide for:</p> <ul style="list-style-type: none"> • development of installation plans for more than one event or production • involvement of and interaction with others (client, production team) to reflect the collaborative nature of the planning process.
Method of assessment	<p>Assessment may incorporate a range of methods to assess practical skills and the application of essential underpinning knowledge, and might include:</p> <ul style="list-style-type: none"> • project or work activities to develop an installation plan for a particular production/event • project or role play activities which allow the candidate to demonstrate skills in interpreting briefs and presenting plans • written or oral questioning to test technical knowledge of typical vision systems • review of portfolios of evidence and third party workplace reports of on-the job performance by the candidate. <p>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).</p>

EVIDENCE GUIDE**Guidance information for assessment**

Assessment of this unit requires access to:

- a brief and budget for vision system requirements
- manual or computerised drawing materials
- access to a venue or venue plans in order to develop a tailored installation plan.

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.

<p><i>Vision systems</i> may be used in a range of environments, including:</p>	<ul style="list-style-type: none"> • attractions and theme parks • clubs • events • festivals • hotels • live theatre, front or back of house • meeting and conference facilities • outdoor venues • shopping centres • showgrounds
<p><i>Relevant personnel</i> may include:</p>	<ul style="list-style-type: none"> • clients • designers • directors • editors • graphic artists • head of departments • photographers • sound engineers • supervisors • other specialist staff
<p><i>Plans</i> may be drawn for:</p>	<ul style="list-style-type: none"> • external venues hired by a client • in-house venues • multiple room/auditoria events • single room/auditorium events.
<p>Vision system <i>installation</i> plans are developed in accordance with:</p>	<ul style="list-style-type: none"> • budget constraints • local authority regulations • organisational policies and procedures • other resource constraints • production and/or venue requirements and limitations • production schedule • relevant legislative and organisational

RANGE STATEMENT	
	<ul style="list-style-type: none"> occupational health and safety requirements • technical constraints
<i>Constraints</i> may include:	<ul style="list-style-type: none"> • cost of requested presentation style/equipment exceeds budget • presentation style requested may not suit the size of the venue • venue may not be able to accommodate the types of equipment requested
<i>Accessories</i> may include:	<ul style="list-style-type: none"> • chains and other rigging • curtaining • flats • masking • mounting brackets • rostrum • screens • stands • trolleys • truss • other staging effects
<i>Equipment</i> may include:	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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

RANGE STATEMENT

	<ul style="list-style-type: none"> • televisions • two-way communication sets • video players • video, digital and still cameras
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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 units:	
	CUEAUD02C	Prepare, rig, test and modify vision systems
	CUEAUD03C	Operate vision systems
	CUEAUD06B	Apply a general knowledge of vision systems to work activities