



**Australian Government**

# **CUAVSS511 Design vision systems**

**Release: 1**

# CUAVSS511 Design vision systems

## 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 performance outcomes, skills and knowledge required to design vision systems for productions in a diverse range of industries.

The unit applies to those who display a high level of initiative, judgement and responsibility as they negotiate creative solutions to design briefs with clients and production personnel.

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

## Unit Sector

Media and Entertainment Production – Vision Systems

## 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. Interpret creative brief                      | 1.1 Determine vision system requirements from design brief<br>1.2 Identify factors that influence the design of vision systems<br>1.3 Discuss design specifications with required personnel<br>1.4 Clarify whether installation of vision systems is to be temporary or permanent and use answers when confirming the design process        |
| 2. Conduct and evaluate research                 | 2.1 Identify and source references that may inform the design process<br>2.2 Assess venues and critically analyse reference material in the context of design projects<br>2.3 Consider the impact and potential of emerging technologies when creating the design idea<br>2.4 Collect information and select equipment and accessories that |

| ELEMENT                                  | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          | develop initial design concepts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 3. Generate and assess ideas for designs | 3.1 Generate a range of ideas for designs that respond to project specifications<br>3.2 Evaluate ideas about cost and time implications, technical feasibility, and suitability to meet briefs<br>3.3 Prepare preliminary documentation and brief required personnel                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4. Develop and document designs          | 4.1 Conduct ongoing discussions with required personnel so that additional or changed requirements and new ideas are considered and incorporated during the development of designs<br>4.2 Confirm that agreement is reached with required personnel in matters of artistic interpretation<br>4.3 Evaluate initial concepts and select approach that fulfils the project specifications and abides by project constraints<br>4.4 Use initial concepts as the basis for developing vision system designs<br>4.5 Accurately complete documentation according to organisational procedures<br>4.6 Incorporate required legislative and regulatory requirements into the vision system design |
| 5. Finalise designs                      | 5.1 Present draft vision systems plans and specifications to required personnel<br>5.2 Evaluate draft designs and agree to final designs and procedures with required personnel<br>5.3 Present final designs, plans and specifications to required personnel and confirm that all requirements have been met                                                                                                                                                                                                                                                                                                                                                                             |

## 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                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading            | <ul style="list-style-type: none"><li>Organises, evaluates and critiques ideas and information from a range of complex written sources</li></ul> |
| Writing            | <ul style="list-style-type: none"><li>Generates documentation in relation to the design of vision systems</li></ul>                              |
| Oral communication | <ul style="list-style-type: none"><li>Seeks the views and opinions of others using language and listening techniques</li></ul>                   |

| SKILL                   | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Numeracy                | <ul style="list-style-type: none"><li>• Performs calculations when confirming that projected expenditure on design aspects of vision systems can be achieved within budget constraints</li></ul>                                                                                                                                                                                                                                                      |
| Self-management         | <ul style="list-style-type: none"><li>• Works independently and collectively with a strong sense of responsibility for goals, plans, decisions and outcomes</li><li>• Takes responsibility for meeting legal and regulatory requirements within scope of own role</li><li>• Applies organisational procedures when designing vision systems</li></ul>                                                                                                 |
| Teamwork                | <ul style="list-style-type: none"><li>• Responds to and draws on others' perspectives when negotiating the design of vision systems</li><li>• Collaborates to achieve joint outcomes in the design process, playing an active role in facilitating effective group interaction, influencing direction and taking a leadership role on occasion</li></ul>                                                                                              |
| Planning and organising | <ul style="list-style-type: none"><li>• Uses a combination of logical planning processes and an understanding of context when identifying relevant information and risks, and evaluate alternative strategies and resources</li><li>• Manages time efficiently to meet work deadlines</li><li>• Invests time in developing and shaping several options before making a final choice, using a combination of lateral and analytical thinking</li></ul> |

## Unit Mapping Information

Supersedes and is equivalent to CUAVSS501 Design vision systems.

## 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 CUAVSS511 Design vision systems

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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:

- design vision systems that meet the requirements of at least three different design briefs.

In the course of the above, the person must:

- establish vision system requirements from briefs
- document the vision system designs, plans and specifications
- work collaboratively with others to negotiate and finalise realistic design solutions.

### 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:

- factors to be considered when vision systems are being installed on a temporary and permanent basis
- issues to be considered when designing automated and interactive vision systems and those with multiple input sources and output and display devices
- technical requirements and constraints associated with installing a range of vision systems
- typical formats for documenting vision system designs
- industry trends and developments that impact on the design and operation of vision systems.

### 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:

- vision systems design briefs.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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