



**Australian Government**

# **CUALGT201 Develop basic lighting skills and knowledge**

**Release: 2**

# CUALGT201 Develop basic lighting skills and knowledge

## Modification History

| Release   | Comments                                                                                                                                                                                                        |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Release 2 | This version released with CUA Creative Arts and Culture Training Package version 2.0. Updated assessment conditions section. Updated modification history section to reflect changed name of training package. |
| Release 1 | This version first released with CUA Creative Arts and Culture Training Package version 1.0.                                                                                                                    |

## Application

This unit describes the performance outcomes, skills and knowledge required to complete basic lighting tasks in a range of production contexts.

It applies to individuals assisting with lighting operations in the screen, media, entertainment and events industries. At this level, they are working under the direct supervision of experienced lighting technicians and operating equipment at a basic level.

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

## Unit Sector

Media and entertainment production – lighting

## Elements and Performance Criteria

| Elements                                         | 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 lighting tasks                    | 1.1 Confirm work requirements with relevant personnel with reference to lighting plans and types of lights required, including automated lighting<br>1.2 Sort lights and lighting equipment in preparation for set-up, ensuring appropriate handling of heavy but delicate equipment and taking account of equipment differences<br>1.3 Identify the appropriate cables and connectors to use with |

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | <p>different lighting components</p> <p>1.4 Identify appropriate rigging and positioning points and assist with rigging lights as required</p> <p>1.5 Cut and label lighting gel appropriately and according to organisational procedures</p> <p>1.6 Confirm that available power is sufficient for power requirements of system</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2. Complete lighting tasks        | <p>2.1 Use lighting desk to bring up channels for focusing, adjustment and other operations</p> <p>2.2 Safely power up dimmers and set up patch system</p> <p>2.3 Attach light beam control accessories so that use of lights complies with instructions and procedures</p> <p>2.4 Apply safe manual-handling techniques when rolling, unrolling and storing cables</p> <p>2.5 Identify problems with equipment promptly and take action within the scope of own responsibility or report to relevant personnel</p> <p>2.6 Check and replace spares and consumables and ensure production equipment is ready and available to productions at specified locations</p> <p>2.7 Communicate appropriately with relevant personnel, clients or the public during the completion of tasks</p> |
| 3. Complete post-production tasks | <p>3.1 Store lighting gel, lamps and other lighting equipment according to organisational procedures</p> <p>3.2 Perform routine check of lamps and report repair and maintenance issues to relevant personnel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Foundation Skills

*This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.*

| Skill              | Performance Criteria | Description                                                                                                                                                     |
|--------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading            | 1.1                  | <ul style="list-style-type: none"> <li>Applies an understanding of scale, lighting symbols and notation conventions when interpreting lighting plans</li> </ul> |
| Oral communication | 1.1, 2.5, 2.7, 3.2   | <ul style="list-style-type: none"> <li>Obtains information by listening and</li> </ul>                                                                          |

|                            |                                                                           |                                                                                                                                                                                                                                                                                                                        |
|----------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            |                                                                           | questioning                                                                                                                                                                                                                                                                                                            |
| Numeracy                   | 1.2, 1.6, 2.1                                                             | <ul style="list-style-type: none"> <li>Counts and sorts equipment</li> <li>Uses numerically-based controls on equipment</li> <li>Calculates power loadings (amperage)</li> </ul>                                                                                                                                       |
| Navigate the world of work | 1.5, 2.3, 2.4, 2.5, 3.1, 3.2                                              | <ul style="list-style-type: none"> <li>Follows safety and workplace procedures in relation to assigned duties</li> <li>Understands and completes main tasks and responsibilities, within the boundaries of own role</li> </ul>                                                                                         |
| Interact with others       | 1.1, 2.5, 2.7, 3.2                                                        | <ul style="list-style-type: none"> <li>Works collaboratively to complete lighting tasks</li> </ul>                                                                                                                                                                                                                     |
| Get the work done          | 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2 | <ul style="list-style-type: none"> <li>Plans and completes routine tasks</li> <li>Recognises and responds to predictable routine problems related to own role</li> <li>Seeks assistance when problems are beyond immediate responsibilities or experience</li> <li>Operates lighting desks at a basic level</li> </ul> |

## Unit Mapping Information

| Code and title<br>current version                                    | Code and title<br>previous version                                | Comments                                                                                                                    | Equivalence status |
|----------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------|
| CUALGT201<br>Develop basic lighting skills and knowledge (Release 2) | CUALGT201 Develop basic lighting skills and knowledge (Release 1) | Updated assessment conditions section.<br>Updated modification history section to reflect changed name of training package. | Equivalent unit    |

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5>

## Assessment Requirements for CUALGT201 Develop basic lighting skills and knowledge

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### Performance Evidence

Evidence of the ability to:

- complete a range of lighting tasks safely and according to instructions
- apply knowledge to work activities of key features and purpose of lighting equipment and accessories
- use lighting terminology correctly
- work collaboratively.

Note: If a specific volume or frequency is not stated, then evidence must be provided for each of the above points at least once.

### Knowledge Evidence

To complete the unit requirements the individual must:

- describe the general scope and potential of lighting operations in different production contexts
- explain the following aspects of electrical power:
  - watts
  - amps
  - kilowatts
- describe the general features of lanterns and accessories, dimmers and control systems
- describe beam angles, throws and the functions of common lamps
- describe the roles and responsibilities of lighting technicians in different contexts
- describe different types of automated lights and any special operational requirements
- describe standard requirements for storing of lighting equipment

- explain basic work health and safety procedures in relation to handling and operating lighting equipment and accessories.

## **Assessment Conditions**

Assessment must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities experienced in creative arts industry environments. The assessment environment must include access to productions that require lighting.

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

## **Links**

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