



Australian Government

CUALGT311 Operate basic lighting

Release: 1

CUALGT311 Operate basic lighting

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 skills and knowledge required to plot, record, modify and operate standard lighting cues on lighting consoles typically used in small-scale productions and events. It involves preparation, operation, and basic troubleshooting of lighting operations.

The unit applies to those who carry out basic lighting operations with some discretion and judgement and requires broad supervision within an established framework of plans and procedures.

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

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. Prepare for lighting operations	1.1 Confirm individual responsibilities with required personnel 1.2 Check that working area is clear and properly illuminated 1.3 Prepare required documentation and equipment 1.4 Power up materials using safe work practices 1.5 Test functionality and safety of venue lighting 1.6 Test lights and accessories to confirm all items are in working order
2. Plot and operate lighting cues	2.1 Test line of sight needed for visual cues during performance 2.2 Follow standard procedures to record cues as required 2.3 Play and time recorded cues in correct sequence

ELEMENT	PERFORMANCE CRITERIA
	2.4 Document recorded lighting as required 2.5 Make a hard or electronic backup copy of recorded information 2.6 Modify cues according to instructions and update documentation as required 2.7 Establish suitable backup lighting states 2.8 Check channel inputs and outputs 2.9 Action cues during shows according to production requirements
3. Conduct basic troubleshooting	3.1 Identify problems with equipment promptly and take action as required 3.2 Liaise with required personnel to identify alternatives if faults cannot be rectified before next production deadline
4. Complete post-show procedures	4.1 Liaise with required personnel to power down and disassemble equipment 4.2 Check hired equipment against inventory before packing 4.3 Pack equipment and accessories according to safety regulations and production requirements 4.4 Report lost or damaged equipment to required personnel 4.5 Clean work environment after use 4.6 Seek feedback from required personnel on own performance

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
Learning	Seeks the views of others to identify ways to improve own performance
Reading	Interprets service documentation and manuals
Writing	Completes documentation in relation to plotting and operating lighting cues using clear language and industry terminology
Oral communication	Obtains information by listening and questioning
Numeracy	Completes simple mathematical calculations and recalls numbers for channel selection on lighting desks

SKILL	DESCRIPTION
Self-management	- Follows workplace protocols and safety procedures - Understands and completes main tasks and responsibilities, within the boundaries of own role - Meets work deadlines
Teamwork	Works collaboratively with those involved in staging shows or events
Problem solving	- Adopts a methodical and logical approach to completing basic lighting tasks - Takes responsibility for addressing predictable, and some less predictable, problems in basic lighting operations
Technology	Operates basic digital lighting equipment

Unit Mapping Information

Supersedes and is equivalent to CUALGT301 Operate basic lighting.

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 CUALGT311 Operate basic lighting

Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package Version 5.0.

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:

- operate basic lighting operations for at least two different productions.

In the course of the above, the candidate must:

- set up a lighting desk for operation during live performances
- record and operate standard lighting cues
- use industry terminology correctly when communicating with others and completing workplace records
- observe protocols for lighting operations
- work collaboratively with others involved in the production.

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:

- function of a range of controls on standard lighting consoles
- features and operations (optical and mechanical) of the main types of lanterns used for theatrical lighting:
 - flood
 - fresnel
 - lantern accessories
 - parabolic aluminised reflector (PAR) lamps
 - pebble convex (PC) lanterns
 - profile
- LED lighting and its use in different productions
- difference between in and out times in the context of recording and operating standard lighting cues

- digital multiplexing (DMX) distribution techniques, including allocation of channels on control desks
- safe electrical work practices used in lighting operations
- variations in lighting terminology used for the same function on different control desks.

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 live performances where basic lighting equipment and accessories are used.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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