



Australian Government

CUALGT511 Realise lighting designs

Release: 1

CUALGT511 Realise lighting designs

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 implement lighting designs and supervise lighting operations for productions in the screen, media, entertainment and events industries. It involves planning and implementing lighting designs for various live productions.

The unit applies to those who display a high level of initiative, judgement and responsibility as they supervise lighting operations through the three phases of pre-production, production and post-production.

In some States and Territories of Australia, a restricted electrical licence is required to repair and maintain production equipment. Restricted electrical licences allow a person to carry out electrical work incidental to a trade. Incidental work may include fault-finding on equipment or changing like for like equipment by disconnecting and reconnecting the fixed wiring. It does not include any other changes to the fixed wiring.

Testing and tagging of electrical equipment must be carried out by a person with the required certificate of competency in accordance with the performance specifications of:

- Australian Standard 3760: 200 In-service safety inspection and testing of electrical equipment
- Australian Standard 3002: 1985 Electrical installations - shows and carnivals.
- Users are advised to check with the relevant licensing authority for requirements.

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. Plan and implement lighting	1.1 Analyse lighting designs and production schedules

ELEMENT	PERFORMANCE CRITERIA
designs	and determine overall lighting requirements 1.2 Identify factors to be taken into account in planning the implementation of lighting designs with required personnel 1.3 Incorporate innovative approaches to lighting technology and lighting effects in plan 1.4 Develop contingency plans to minimise impact of unexpected technical difficulties 1.5 Create plans to monitor progress of design approaches in consultation with required personnel 1.6 Develop and document a work plan for realising lighting designs
2. Organise resources	2.1 Develop realistic expenditure estimates that conform to budget allocations 2.2 Obtain required resources according to organisational procedures 2.3 Identify and resolve potential budget overruns 2.4 Organise crew in line with industry award guidelines 2.5 Organise the services of licensed personnel as required
3. Supervise pre-production lighting operations	3.1 Brief crew members on work plans and allocate responsibilities 3.2 Lead focussing and plotting sessions and monitor progress on meeting lighting design requirements 3.3 Supervise the safe bump in of lighting department 3.4 Identify and respond to problems promptly in consultation with required personnel 3.5 Implement contingency plans as required 3.6 Update and distribute workplace documentation promptly 3.7 Supervise lighting operations during technical rehearsals and make adjustments and backups as required
4. Supervise production and post-production lighting operations	4.1 Monitor lighting operations and resolve problems as required 4.2 Supervise scheduled maintenance of lighting equipment and accessories 4.3 Communicate effectively with key production personnel at all times 4.4 Supervise the safe bump out of lighting department 4.5 Involve crew members in evaluations of lighting

ELEMENT	PERFORMANCE CRITERIA
	operations and modify procedures as required 4.6 Contribute to evaluations of productions and implement recommendations

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	• Demonstrates comprehension of written material relating to the realisation of lighting designs
Writing	• Produces written material relating to the realisation of lighting designs
Oral communication	• Seeks feedback in a proactive manner • Uses clear language to communicate effectively with others and contribute information and express requirements
Numeracy	• Performs budget calculations
Self-management	• Works independently and collectively with a strong sense of responsibility for goals, plans, decisions and outcomes • Manages time efficiently to meet work deadlines • Follows workplace protocols and safety procedures • Reviews progress against goals, adjusting plans and resources to cope with contingencies
Teamwork	• Recognises and applies communication protocols • Builds rapport in order to establish effective work relationships • Takes a leadership role when realising lighting designs • Reflects on feedback from others to improve future work
Planning and organising	• Manages work activities and communication with personnel • Resolves issues leveraging technical knowledge and experience • Applies innovative approaches to enhance work practices and outcomes
Technology	• Uses standard word processing and spreadsheet applications to prepare lighting documentation

Unit Mapping Information

Supersedes and is equivalent to CUALGT501 Realise lighting designs.

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 CUALGT511 Realise lighting designs

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:

- plan and supervise the implementation of lighting designs for at least one production or event.

In the course of the above, the candidate must:

- document a work plan for implementing the lighting designs, that include contingency strategies
- apply effective problem solving techniques to the realisation of lighting designs
- work collaboratively with lighting and production team when planning and realising lighting designs.

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:

- techniques for planning work when realising lighting designs
- ways to address issues and challenges that typically arise when realising lighting designs
- safety requirements relevant to installing and operating lighting for productions and events
- industry trends and developments that impact on lighting operations
- where to source lighting equipment and accessories
- how to use lighting design specifications to realise a range of lighting effects
- use of lighting equipment and accessories to achieve different lighting effects.

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:

- lighting designs and productions that require the implementation of lighting designs.

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>