



Australian Government

CUALGT501 Realise lighting designs

Release: 2

CUALGT501 Realise lighting designs

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 implement lighting designs and supervise lighting operations for productions in the screen, media, entertainment and events industries.

Individuals who apply these skills are expected to 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 relevant 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.

Unit Sector

Media and entertainment production – lighting

Elements and Performance Criteria

Elements <i>Elements describe the essential outcomes.</i>	Performance Criteria <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan implementation of lighting designs	1.1 Analyse lighting designs and production schedules to determine overall lighting requirements 1.2 In consultation with relevant personnel, identify factors to be taken into account when planning the implementation of lighting designs 1.3 Where possible, incorporate into the planning process new developments in lighting technology and innovative approaches to producing lighting effects 1.4 Develop contingency plans to minimise the impact of unexpected events on the realisation of lighting designs 1.5 Reach agreement on evaluation methods for monitoring progress 1.6 Develop and document, in an agreed format, a work plan for realising lighting designs
2. Organise resources	2.1 Develop realistic expenditure estimates that conform to budget allocations 2.2 Hire or purchase required resources according to organisational procedures 2.3 Identify potential budget overruns and resolve or recommend alternatives to relevant personnel 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 relevant personnel 3.5 Implement contingency plans as required to ensure that production deadlines are met 3.6 Update and distribute workplace documentation promptly

	3.7 Supervise lighting operations during technical rehearsals and make adjustments and backups as required prior to live performances
4. Supervise production and post-production lighting operations	4.1 Monitor lighting operations and take appropriate action to resolve problems that arise 4.2 Supervise scheduled maintenance of lighting equipment and accessories 4.3 Maintain communication 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 operations and modify procedures as required 4.6 Contribute to evaluations of productions and implement recommendations aimed at improving overall effectiveness of lighting operations

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, 1.3, 4.3	Obtains information about lighting design and operation developments and trends from written sources
Writing	1.6, 3.6	Generates documentation in relation to the realisation of lighting designs
Oral communication	1.2, 3.1, 3.2, 3.3, 3.4, 3.7, 4.1, 4.3, 4.4, 4.5, 4.6	- Seeks the views and opinions of others - Participates in complex formal and informal conversations relevant to own role, initiating and taking the lead where appropriate - Uses clear language to contribute information and express requirements
Numeracy	2.1, 2.3	Performs budget calculations
Navigate the world of work	2.4, 2.5, 3.1, 3.3, 4.1, 4.2, 4.4, 4.5, 4.6	- Works independently and collectively with a strong sense of responsibility for goals, plans, decisions and outcomes - Follows workplace protocols and safety

		procedures
Interact with others	1.2, 3.1, 3.2, 3.3, 3.4, 3.7, 4.1, 4.3, 4.4, 4.5, 4.6	• Recognises and applies appropriate communication protocols • Builds rapport in order to establish effective work relationships • Takes a leadership role when realising lighting designs
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, 3.1, 3.2, 3.3, 3.4 3.5, 3.6, 3.7, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6	• Sequences and schedules complex activities, monitors implementation and manages relevant communication • Reviews progress against goals, adjusting plans and resources to cope with contingencies • Demonstrates a commitment to improvement by contributing to evaluations of lighting operations • Considers whether, and how, others should be involved • Responds to problems requiring immediate attention, drawing on past experience to devise solutions • Manages time efficiently to meet work deadlines • Recognises the potential of new approaches to enhance work practices and outcomes • Reflects on outcomes and feedback from others in order to identify general principles and concepts that may be applicable in new situations • Applies knowledge of lighting equipment and systems to work activities • Uses standard word processing and spreadsheet applications to prepare lighting documentation

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUALGT501 Realise lighting designs (Release 2)	CUALGT501 Realise lighting designs (Release 1)	Updated assessment conditions section. Updated modification	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
		history section to reflect changed name of training package.	

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 CUALGT501 Realise lighting designs

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Performance Evidence

Evidence of the ability to:

- plan and supervise the implementation of lighting designs for at least one production or event
- apply effective problem-solving techniques to the realisation of lighting designs
- 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 techniques for planning work when realising lighting designs
- suggest ways to address issues and challenges that typically arise when realising lighting designs
- explain safety issues to be taken into account when installing and operating lighting for productions and events
- describe industry trends and developments that impact on lighting operations
- provide examples of where to source a range of lighting equipment and accessories
- provide examples of how to use lighting design specifications to realise a range of lighting effects
- explain how a range of lighting equipment and accessories can be used to achieve different lighting effects.

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

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

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