



**Australian Government**

# **CUALGT501 Realise lighting designs**

**Release: 1**

## CUALGT501 Realise lighting designs

### Modification History

Release	Comments
Release 1	This version first released with <i>CUA Live Performance and Entertainment Training Package Version 1.0</i> .

### 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

<b>Elements</b> <i>Elements describe the essential outcomes.</i>	<b>Performance Criteria</b> <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	<p>4.1 Monitor lighting operations and take appropriate action to resolve problems that arise</p> <p>4.2 Supervise scheduled maintenance of lighting equipment and accessories</p> <p>4.3 Maintain communication with key production personnel at all times</p> <p>4.4 Supervise the safe bump out of lighting department</p> <p>4.5 Involve crew members in evaluations of lighting operations and modify procedures as required</p> <p>4.6 Contribute to evaluations of productions and implement recommendations aimed at improving overall effectiveness of lighting operations</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, 1.3, 4.3	<ul style="list-style-type: none"> <li>Obtains information about lighting design and operation developments and trends from written sources</li> </ul>
Writing	1.6, 3.6	<ul style="list-style-type: none"> <li>Generates documentation in relation to the realisation of lighting designs</li> </ul>
Oral communication	1.2, 3.1, 3.2, 3.3, 3.4, 3.7, 4.1, 4.3, 4.4, 4.5, 4.6	<ul style="list-style-type: none"> <li>Seeks the views and opinions of others</li> <li>Participates in complex formal and informal conversations relevant to own role, initiating and taking the lead where appropriate</li> <li>Uses clear language to contribute information and express requirements</li> </ul>
Numeracy	2.1, 2.3	<ul style="list-style-type: none"> <li>Performs budget calculations</li> </ul>
Navigate the world of work	2.4, 2.5, 3.1, 3.3, 4.1, 4.2, 4.4, 4.5, 4.6	<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>Follows workplace protocols and safety procedures</li> </ul>
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	<ul style="list-style-type: none"> <li>Recognises and applies appropriate communication protocols</li> <li>Builds rapport in order to establish effective work relationships</li> <li>Takes a leadership role when realising lighting designs</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, 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	<ul style="list-style-type: none"> <li>Sequences and schedules complex activities, monitors implementation and manages relevant communication</li> <li>Reviews progress against goals, adjusting plans and resources to cope with contingencies</li> <li>Demonstrates a commitment to improvement by contributing to evaluations of lighting operations</li> <li>Considers whether, and how, others should be involved</li> <li>Responds to problems requiring immediate attention, drawing on past experience to</li> </ul>

		<p>devise solutions</p> <ul style="list-style-type: none"><li>• Manages time efficiently to meet work deadlines</li><li>• Recognises the potential of new approaches to enhance work practices and outcomes</li><li>• Reflects on outcomes and feedback from others in order to identify general principles and concepts that may be applicable in new situations</li><li>• Applies knowledge of lighting equipment and systems to work activities</li><li>• Uses standard word processing and spreadsheet applications to prepare lighting documentation</li></ul>
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## Unit Mapping Information

No equivalent unit.

## Links

Companion volumes are available at: - <http://www.ibsa.org.au>