



Australian Government

CUALGT412 Implement lighting designs

Release: 1

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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 for screen, media and entertainment productions.

The unit applies to experienced technicians who apply knowledge of the correlation between lighting and the cameras, lenses and stock formats being used in a production. It involves planning and installing filler lighting and lights for presenters on location, or work collaboratively with a lighting designer who has devised the lighting plan.

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. Plan and confirm design requirements	1.1 Discuss lighting designs and plans with required production personnel to determine overall production needs 1.2 Select design options that provide a correct visual interpretation of the script and production 1.3 Confirm availability of lighting equipment and lighting accessories to implement different options for lighting effects 1.4 Use a range of criteria to decide which options are most feasible and obtain necessary equipment and accessories according to enterprise procedures 1.5 Provide suggestions to resolve technical and production issues relating to lighting and effects

ELEMENT	PERFORMANCE CRITERIA
	1.6 Seek feedback on ideas from required production
2. Set up and test lighting options	2.1 Test lighting equipment and accessories using light and exposure meters 2.2 Adjust lighting equipment and lighting accessories as required 2.3 Patch DMX to fixtures and other DMX transmitters 2.4 Address fixtures and set fixture modes according to production requirements 2.5 Interpret information readouts and make necessary adjustments to achieve desired light quality 2.6 Consult with required production personnel regarding final lighting configuration and inform personnel as required
3. Participate in technical rehearsals	3.1 Rehearse technical aspects of a production and adjust lighting set-up according to production requirements and within required timeframes 3.2 Modify cue sheets and update pre-programmed automated systems according to final shooting requirements 3.3 Amend lighting effects in consultation with required production personnel 3.4 Check required changes to lighting operations are implemented and required documentation is completed prior to actual production 3.5 Arrange supervision to maintain continuity of lighting throughout the production period
4. Monitor lighting operations during productions	4.1 Check operational aspects of lighting equipment and lighting set-up 4.2 Confirm and record placement of lighting equipment and accessories according to legislative and work health and safety (WHS) requirements 4.3 Maintain lighting conditions throughout production 4.4 Identify basic problems and faults using required test equipment and rectify according to organisational and WHS procedures

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
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SKILL	DESCRIPTION
Reading	• Interprets various forms of documentation, including emergency and safety procedures, equipment lists, and manuals
Writing	• Uses clear sequenced language, specific terminology, structure and format in written documentation and correspondence
Oral Communication	• Uses clear and language to express requirements and convey required changes using language suitable to diverse audiences • Uses listening and questioning techniques to seek information and confirm understanding
Numeracy	• Completes simple mathematical calculations using a scale ruler • Measures and recalculates lighting cues • Interprets channel numbers on lighting boards • Calculates power requirements, power settings and load requirements in response to lighting documentation and information from required personnel • Enters accurate data into cue sheets and automated systems
Self-management	• Takes personal responsibility for following enterprise requirements and regulatory safety practices and procedures in planning and completing work • Monitors lighting operations and manage required communication
Teamwork	• Selects and uses communication methods and practices to work collaboratively to reach creative and technical goals
Problem solving	• Monitors lighting operations and manage required communication • Analyses requirements to generate creative ideas • Manages decisions relating to lighting effects that meet script, technical and creative requirements

Unit Mapping Information

Supersedes and is equivalent to CUALGT402 Implement lighting designs.

Links

Companion Volume Implementation Guide is found on VETNet -

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