



Australian Government

CUALGT305 Operate floor electrics

Release: 1

CUALGT305 Operate floor electrics

Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 2.0.

Application

This unit describes the skills and knowledge required to set and operate a range of floor electrics for live productions or performances.

It applies to individuals who create specific on-stage effects, which can involve both front and backstage lighting facilities. They use a lighting plan provided by a supervising senior lighting technician or lighting designer.

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. Test run floor electrics	1.1 Set floor electrics according to performance or production requirements 1.2 Integrate the operation of floor electrics into the technical and creative run-through and advise relevant personnel of issues requiring attention 1.3 Plot, record, rehearse and execute cues on direction from relevant personnel 1.4 Set back-up systems for use in the event of equipment malfunction and test to ensure they are in working order 1.5 Implement necessary changes to cueing and modify cue sheets as required

ELEMENT	PERFORMANCE CRITERIA
2. Prepare to operate floor electrics	2.1 Identify, implement and document changes to floor electrics operation as required 2.2 Check working order of communication equipment and back-up system and seek assistance if required 2.3 Confirm supplies of consumables are adequate for performances or productions 2.4 Place elements of floor electrics in stand-by position for the start of performances or productions according to safety and production requirements and procedures 2.5 Identify equipment requiring warm-up and turn on at the appropriate time 2.6 Check elements of floor electrics to ensure they are operating to specifications 2.7 Identify problems or faults promptly, take safe and appropriate action to rectify or report to relevant personnel 2.8 Isolate smoke detectors and check changes to air-conditioning as required 2.9 Check cables are run according to work health and safety (WHS) requirements, and seek assistance if required
3. Operate floor electrics	3.1 Execute floor electrics changes on cue, in line with safety procedures and according to running sheets, directions and requirements of the performance or production, and/or venue 3.2 Check cables to ensure correct setting 3.3 Modify floor electrics cues if required, to cater for unexpected contingencies, and inform relevant personnel 3.4 Identify problems or faults promptly, and take safe and appropriate action to rectify or report to relevant personnel 3.5 Use back-up systems correctly when required
4. Shut down and disassemble equipment	4.1 Turn off power to floor electrics elements or set to standby as required 4.2 Reset smoke detectors and air-conditioning as required 4.3 Prepare and position elements of floor electrics ready for use as required, or return equipment to standby 4.4 Note changes to cue sheets and update and file other documentation as required and according to enterprise procedures

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, 2.4, 2.6, 2.9, 3.1, 4.4	- Interprets sometimes complex lighting plans, production documentation and safety procedures, equipment lists, and manuals and manufacturer's specifications relating to tools, equipment and materials - Reads information of relevance to determine production requirements
Writing	1.3, 1.5, 2.1, 3.3, 4.4	Uses clear sequenced language, specific terminology and appropriate structure and format to record changes and finalise floor electric cues
Oral Communication	1.2, 1.3, 2.2, 2.7, 2.9, 3.3, 3.4	- Uses clear language to convey information, express requirements and report operational problems - Participates in an exchange of information with other technicians and designers in a production environment, listening and questioning to clarify and confirm instructions
Numeracy	1.1, 1.3, 1.4, 2.2, 2.3, 3.2	- Uses documentation, and information from relevant personnel, to determine equipment, sequencing, timing and speed requirements - Uses basic mathematical formulas to make adjustments to equipment and settings
Navigate the world of work	1.3, 2.4, 2.7, 2.9, 3.1, 4.4	- Understands the nature and purpose of own role and associated responsibilities, and the need for coordination with others - Follows workplace safety protocols and procedures
Interact with others	1.2, 1.3, 2.7, 2.9, 3.3, 3.4	Selects and uses appropriate communication practices to collaborate with others to achieve joint outcomes
Get the work done	1.1, 1.4, 1.5, 2.2-2.8, 3.1-3.5, 4.1-4.3	- Determines task sequence to set and operate floor electrics that meet production requirements with assistance and direction from others as required - Conducts equipment checks to ensure set-up, operation and shut-down meets production and safety requirements - Identifies and resolves predictable problems during performances

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUALGT305 Operate floor electrics	CUFLGT304A Operate floor electrics	Updated to meet Standards for Training Packages. Minor edits to elements and performance criteria.	Equivalent unit

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 CUALGT305 Operate floor electrics

Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 2.0.

Performance Evidence

Evidence of the ability to:

- set, operate and power off floor electrics and associated equipment safely and effectively according to production documentation, performance requirements, enterprise instructions and safety procedures
- collaborate with production team, designers and performers during process, responding to the artistic and technical elements of a production, including cues, directions and performance requirements, in a timely and efficient manner
- demonstrate different technical techniques in responding quickly and effectively to unexpected contingencies during performance
- set, check functionality, and use back-up systems in conjunction with lighting control when required
- identify and rectify problems or faults with elements of floor electrics during pre-production and production according to enterprise procedures and with minimum disruption to work flows, and inform relevant personnel of ongoing or complex problems as required
- produce and adjust documentation throughout process according to enterprise procedures and using appropriate lighting and floor electrics terminology.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- describe the roles and responsibilities of lighting designers and technicians, particularly floor electrics operators, in the creative arts industry
- describe the key features and operations of the main types of floor electrics equipment and describe their uses in different production contexts
- describe the key features of different elements of floor electrics

- explain the relationship between floor electrics and other lighting and staging effects
- discuss the impact of technology used in floor electrics on production operations
- broadly outline the artistic and technical elements of productions
- identify typical problems that may arise in the context of setting and operating floor electrics and briefly describe solutions
- explain duty of care for the safety of colleagues and the general public while performing floor electrics work, especially when on location
- discuss work health and safety procedures that apply to testing, installing and operating floor electrics.

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:

- a team, to involve and interact with, to reflect the collaborative nature of the technical production process
- industry-standard equipment
- a venue with the capacity for floor electrics operation
- floor electrics equipment
- cueing and other production documentation from which floor electrics are operated
- a production requiring floor electrics.

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

Links

Companion Volume implementation guides are found in VETNet -

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