



Australian Government

CUALGT315 Operate floor electrics

Release: 1

CUALGT315 Operate floor electrics

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 set and operate a range of floor electrics for live productions or performances. It involves testing and operating floor electrics in compliance with work health and safety (WHS) requirements.

The unit applies to those who create specific on-stage effects, which can involve both front and backstage lighting facilities based on 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 floor electrics	1.1 Prepare floor electrics according to performance or production requirements 1.2 Integrate the operation of floor electrics into the live production rehearsals and advise required personnel of issues 1.3 Plot, record, rehearse and execute cues on direction from required personnel 1.4 Prepare back-up systems in the event of equipment malfunction 1.5 Implement necessary changes to cueing and modify cue sheets as required
2. Prepare to operate floor	2.1 Identify, implement and document changes to floor electrics

ELEMENT	PERFORMANCE CRITERIA
electrics	operation as required 2.2 Check working order of communication equipment and back-up system 2.3 Confirm supplies of consumables are adequate for performances or productions 2.4 Set up elements of floor electrics according to safety and production requirements and procedures 2.5 Identify equipment requiring warm-up and turn on at the required time 2.6 Check elements of floor electrics to ensure they are operating as required 2.7 Identify problems or faults promptly and inform personnel as required 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
3. Operate floor electrics	3.1 Execute floor electrics changes on cue according to procedures 3.2 Check cables for required setting 3.3 Modify floor electrics cues as required 3.4 Identify and resolve problems or faults promptly 3.5 Use back-up systems 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 4.4 Note changes to cue sheets and other documentation, update and file according to organisational 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
Reading	Interprets various forms of documentation, including emergency and safety procedures, equipment lists, and manuals

SKILL	DESCRIPTION
Writing	• Uses clear sequenced language, specific terminology, structure and format in written documentation and correspondence
Oral Communication	• 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, using listening and questioning to clarify and confirm instructions
Numeracy	• Interprets documentation and information from required personnel to determine equipment, sequencing, timing and speed requirements • Uses basic mathematical formulas to make adjustments to equipment and settings
Self-management	• Understands the nature and purpose of own role and associated responsibilities • Follows workplace safety protocols and procedures
Teamwork	• Collaborates with required personnel on team projects
Problem solving	• Determines task sequence to set and operate floor electrics that meet production requirements with assistance and direction from others as required • Conducts equipment checks according to production and safety requirements • Identifies and resolves problems during performances

Unit Mapping Information

Supersedes and is equivalent to CUALGT305 Operate floor electrics.

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 CUALGT315 Operate floor electrics

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:

- operate floor electrics for at least one production.

In the course of the above, the candidate must:

- set up, 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
- respond to the artistic and technical elements of a production, including cues, directions and performance requirements, in a timely and efficient manner
- respond 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
- inform required personnel of ongoing or complex problems as required
- produce and adjust documentation throughout process according to enterprise procedures and using required lighting and floor electrics terminology.

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:

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

- key features of different elements of floor electrics
- new technology ground control systems for remote control of automated fixtures
- relationship between floor electrics and other lighting and staging effects
- impact of technology used in floor electrics on production operations
- artistic and technical elements of productions described in the performance evidence
- typical problems that may arise in the context of setting and operating floor electrics and strategies to resolve them
- features of duty of care for the safety of colleagues and the general public while performing floor electrics work, especially when on location
- work health and safety procedures that apply to testing, installing and operating floor electrics.

Assessment Conditions

Skills in this unit must be demonstrated in a live production environment where the conditions are typical of those in a working environment in this industry.

This includes 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. Where personal safety is a limiting factor, assessment may occur in a simulated work environment typical of those in a working environment in this industry.

Links

Companion Volume Implementation Guide is found on VETNet -

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