



Australian Government

Department of Education, Employment and Workplace Relations

CUELGT04C Operate floor electrics

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit describes the skills and knowledge required to set and operate a range of floor electrics for any live performance. This is a dedicated unit which reflects the skills required to operate a range of floor electrics in different performance contexts. This role would generally be undertaken by an experienced lighting technician.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

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Application of the Unit

Not applicable.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

This unit has linkages to a range of other lighting units and combined assessment and/or training may be appropriate.

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Employability Skills Information

This unit contains employability skills.

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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where **bold italicised** text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

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Elements and Performance Criteria

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Element	Performance Criteria
1 Participate in technical or creative run-through.	1.1 Set floor electrics in accordance with performance requirements. 1.2 Integrate the operation of floor electrics into the run-through and communicate relevant information to performers. 1.3 Plot, record, rehearse and execute cues on direction from the appropriate personnel. 1.4 Set back-up systems for use in the event of an equipment malfunction and test to ensure that they are in working order. 1.5 Implement changes to cueing and modify and cue sheets accurately as required.
2 Prepare for floor electrics operation.	2.1 Identify, implement and document changes to floor electrics operation as required. 2.2 Check communications equipment to ensure that it is in working order. 2.3 Check consumables are adequate for the performance. 2.4 Place floor electrics equipment in stand-by position for the start of the performance in accordance with safety and performance requirements.

- 2.5 Identify equipment requiring warm-up and turn on at the appropriate time.
- 2.6 Check all floor electrics components to ensure that they are operating to specifications.
- 2.7 Identify any 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 that all cables are run safely and neatly.
- 3 **Operate floor electrics.**
 - 3.1 Execute floor electrics changes on cue in accordance with the running sheet, stage manager's directions and the requirements of the performance and/or venue.
 - 3.2 Check cables to ensure correct setting.
 - 3.3 Make modifications to floor electrics cues when required, to cater for unexpected contingencies and inform appropriate personnel.
 - 3.4 Identify any problems or faults promptly, 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 floor electrics equipment.**
 - 4.1 Turn off power to all floor electrics elements or set to standby as required by the production.
 - 4.2 Reset smoke detectors and air-conditioning as required.
 - 4.3 Prepare and position all floor electrics elements correctly for the next performance as required, or return equipment to stand-by.
 - 4.4 Make accurate updates on cue sheets and other documentation and file in accordance with enterprise procedures.

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills:

effective communication skills to liaise with other team members prior to and during a performance.

Required knowledge:

major types of floor electrics equipment and their uses in different production contexts

lighting terminology particularly in relation to the operation of floor electrics

operation features and functions of a range of floor electrics

occupational health and safety requirements particularly in relation to the operation of floor electrics

relationship of floor electrics to other lighting and staging effects.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The following evidence is critical to the judgement of competence in this unit:

- knowledge of electricity as it relates to floor electrics
- applying safe procedures for working with electricity
- communicating effectively with colleagues and customers within the range of situations defined for the job role.

Context of and specific resources for assessment

The assessment context must provide for:

- demonstration of skills in operating floor electrics for an actual performance on more than one occasion
- demonstration of skills in multiple performance contexts and with different types of floor electrics
- involvement of and interaction with a team to reflect the collaborative nature of the technical production process
- use of industry-current equipment.

Method of assessment

Assessment may incorporate a range of methods to assess performance and the application of essential underpinning knowledge, and might include:

- direct observation of a performance where the candidate is responsible for the operation of floor electrics
- oral or written questioning to assess knowledge of equipment types and features and safety issues
- case studies or problem solving exercises to assess the candidate's ability to respond to different operational situations and contexts
- review of portfolios of evidence and third party workplace reports of on-the job

performance by the candidate.
Assessment methods should closely reflect workplace demands and the needs of particular groups (eg people with disabilities, and people who may have literacy or numeracy difficulties such as speakers of languages other than English, remote communities and those with interrupted schooling).

Assessment of this unit requires access to:
a venue that has the capacity for floor electrics operation
floor electrics equipment and consumables
cueing and other production documentation
from which floor electrics are operated
a production on which the candidate can work.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. **Bold italicised** wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Relevant personnel may include:

designer
director
head of department
stage manager
supervisor
other specialist staff.

Consumables may include:

gaffer tape
gel
lamp stock
PVC tape.

Unit Sector(s)

Not applicable.