



Australian Government

Department of Education, Employment and Workplace Relations

CUESTA01B Install staging elements

Release: 1

CUESTA01B Install staging elements

Modification History

Not applicable.

Unit Descriptor

This unit describes the skills and knowledge required to install a range of staging elements for any production within the cultural industries. It builds on the skills found in the unit CUESTA05A - Apply a general knowledge of staging to work activities and reflects the role of a mechanist. All installation of staging must be completed in accordance with safety and licensing regulations, e.g. scaffolding erection requires a licence.

This unit describes the skills and knowledge required to install a range of staging elements for any production within the cultural industries. It builds on the skills found in the unit CUESTA05A - Apply a general knowledge of staging to work activities and reflects the role of a mechanist. All installation of staging must be completed in accordance with safety and licensing regulations, e.g. scaffolding erection requires a licence

Application of the Unit

Not applicable.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Prepare for installation of staging	1.1 Prepare venue at the appropriate time in accordance with bump-in schedule 1.2 Read, correctly interpret and apply stage plans to venue layout 1.3 Identify and liaise with appropriate personnel to determine the sequence of installation for staging elements 1.4 Where there is an existing stage, communicate modifications clearly to the appropriate personnel and implement as required 1.5 Install other equipment and necessary structures in consultation with the appropriate personnel 1.6 Pre-rig equipment as required within safety guidelines and licensing requirements
2 Install staging elements	2.1 Mark out ground plan accurately onstage in accordance with design specifications and venue requirements 2.2 Install staging elements in accordance with design specifications and requirements of the production 2.3 Install staging elements in the appropriate sequence as agreed with appropriate personnel 2.4 Install staging elements in accordance with safety regulations and any manufacturer instructions 2.5 Select and use appropriate equipment to assist with staging installation, using safe working practices at all times
3 Check staging elements after installation	3.1 Check each staging element to ensure operational standards for performance are achieved and that all safety requirements have been met 3.2 Identify any problems with staging elements, take appropriate action to rectify or refer to the appropriate personnel for action

- 3.3 Identify any modifications required to improve suitability for performance and take appropriate action

Required Skills and Knowledge

Not applicable.

Evidence Guide

Underpinning skills and knowledge

Assessment must include evidence of essential knowledge of, and skills in, the following areas:

- types of control desks which operate stage machinery
- techniques for working out load capacity of stage machinery
- safe and efficient methods and procedures used in manoeuvring loads
- techniques for handling scenic elements, e.g. toggling flats and pin hinging
- relevant legislative and/or organisational health and safety requirements, including safe manual handling techniques, working at heights, moving loads safely
- safety issues associated with using ladders
- signals to be employed when using stage machinery
- safety procedures to be followed in the event of lifting, revolving or trucking emergencies
- literacy skills sufficient to interpret stage plans
- numeracy skills sufficient to take measurements required for installation.

Linkages to other units

This unit has linkages with a range of other staging and technical production units, and combined assessment and/or training with those units may be appropriate. It is strongly recommended that this unit be assessed with or after the following units:

CUESTA05A - Apply a general knowledge of staging to work activities

MEM18.1AB - Use hand tools

Critical aspects of evidence

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

- application of safe working practices for installing staging elements
- knowledge of safety issues specifically associated with the installation of staging
- ability to communicate effectively within a staging team.

Method and context of assessment

The assessment context must ensure:

- practical demonstration of skills through the installation of staging elements for more than one production
- installation of staging elements within realistic workplace timeframes
- involvement of and interaction with a production team to reflect the collaborative nature of staging installation.

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

- direct observation of the candidate completing installation tasks
- inspection of staging elements installed by the candidate
- oral questioning/interview to assess knowledge of safety and equipment procedures
- 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 (e.g. 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).

Resource requirements

Assessment of this unit requires access to:
a venue where the installation of staging can take place.
staging equipment

Key competencies in this unit

Key competencies are built into all workplace competencies. The following table describes those applicable to this unit. Trainers and assessors should ensure that they are addressed in training and assessment.

Level 1 = Perform

Level 2 = Administer and Manage

Level 3 = Design and Evaluate

Collecting, organising and analysing information (2)

Interpreting stage plans.

Communicating ideas and information (2)

Advising crew of staging requirements.

Planning and organising activities (2)

Organising installation for a production.

Working with others and in teams (2)

Liaising with technicians.

Using mathematical ideas and techniques (1)

Calculating loads.

Solving problems (2)

Adjusting installation.

Using technology (1)

Using tools.

Underpinning skills and knowledge

Assessment must include evidence of essential knowledge of, and skills in, the following areas:

types of control desks which operate stage machinery

techniques for working out load capacity of stage machinery

safe and efficient methods and procedures used in manoeuvring loads

techniques for handling scenic elements, e.g. toggling flats and pin hinging

relevant legislative and/or organisational health and safety requirements, including safe

manual handling techniques, working at heights, moving loads safely

safety issues associated with using ladders

signals to be employed when using stage machinery

safety procedures to be followed in the event of lifting, revolving or trucking emergencies

literacy skills sufficient to interpret stage plans

numeracy skills sufficient to take measurements required for installation.

Linkages to other units

This unit has linkages with a range of other staging and technical production units, and combined assessment and/or training with those units may be appropriate. It is strongly recommended that this unit be assessed with or after the following units:

CUESTA05A - Apply a general knowledge of staging to work activities

MEM18.1AB - Use hand tools

Critical aspects of evidence

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

application of safe working practices for installing staging elements

knowledge of safety issues specifically associated with the installation of staging

ability to communicate effectively within a staging team.

Method and context of assessment

The assessment context must ensure:

practical demonstration of skills through the installation of staging elements for more than one production

installation of staging elements within realistic workplace timeframes

involvement of and interaction with a production team to reflect the collaborative nature of staging installation.

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

direct observation of the candidate completing installation tasks

inspection of staging elements installed by the candidate

oral questioning/interview to assess knowledge of safety and equipment procedures

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 (e.g. 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).

Resource requirements

Assessment of this unit requires access to:

a venue where the installation of staging can take place.

staging equipment

Key competencies in this unit

Key competencies are built into all workplace competencies. The following table describes those applicable to this unit. Trainers and assessors should ensure that they are addressed in training and assessment.

Level 1 = Perform

Level 2 = Administer and Manage

Level 3 = Design and Evaluate

Collecting, organising and analysing information (2)

Interpreting stage plans.

Communicating ideas and information (2)

Advising crew of staging requirements.

Planning and organising activities (2)

Organising installation for a production.

Working with others and in teams (2)

Liaising with technicians.

Using mathematical ideas and techniques (1)

Calculating loads.

Solving problems (2)

Adjusting installation.

Using technology (1)

Using tools.

Range Statement

The following explanations identify how this unit may be applied in different workplaces, sectors and circumstances.

Staging elements may include:

framed scenery, e.g. flats, profiles, doors, windows
weight bearing scenery, e.g. rostra, ramps, steps
non-weight bearing scenery, e.g. columns, trees
soft scenery, e.g. canvas legs, borders, cloths, gauzes, cycloramas
furniture and other set props
revolves
trucks.

Appropriate personnel may include:

directors
designers
technical specialists
stage managers
production managers
venue management.

Modifications to an existing stage may include:

installing staging extensions
altering grid and other structures under appropriate supervision.

Equipment, used during installation may include the following, within regulation limits and licensing requirements:

tallescopes
maxilift or genie-type lifter
cherry pickers
mobile scaffolding
ladders and A-frames
scissor lift.

Installing staging aspects of the show may involve setting up additional facilities for certain venues, particularly outside venues, and construction of extra requirements, which may include the following (within regulation limits):

stages
tents
scaffolding
fences
ground coverings
stage coverings
cast and crew amenities, e.g. dressing rooms
front-of-house facilities
catering facilities
seating
public amenities.

The following explanations identify how this unit may be applied in different workplaces, sectors and circumstances.

Staging elements may include:

framed scenery, e.g. flats, profiles, doors, windows

weight bearing scenery, e.g. rostra, ramps, steps
non-weight bearing scenery, e.g. columns, trees
soft scenery, e.g. canvas legs, borders, cloths, gauzes, cycloramas
furniture and other set props
revolves
trucks.

Appropriate personnel may include:

directors
designers
technical specialists
stage managers
production managers
venue management.

Modifications to an existing stage may include:

installing staging extensions
altering grid and other structures under appropriate supervision.

Equipment, used during installation may include the following, within regulation limits and licensing requirements:

tallescopes
maxilift or genie-type lifter
cherry pickers
mobile scaffolding
ladders and A-frames
scissor lift.

Installing staging aspects of the show may involve setting up additional facilities for certain venues, particularly outside venues, and construction of extra requirements, which may include the following (within regulation limits):

stages
tents
scaffolding
fences
ground coverings
stage coverings
cast and crew amenities, e.g. dressing rooms
front-of-house facilities
catering facilities
seating
public amenities.

Unit Sector(s)

Not applicable.