



Australian Government

CUASTA414 Undertake arena rigging activities

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 skills and knowledge required to plan and undertake rigging work for productions in arena work environments. It involves identifying and planning arena rigging requirements, inspecting equipment and completing set up tasks, and assembling and dismantling rigging and associated equipment.

The unit applies to those who work collaboratively in a team environment as they take responsibility for ensuring that rigging and associated equipment is assembled in line with safety standards, prior to performances or events, and for ensuring it is dismantled following performances or events. They may be responsible for supervising others.

The National Standard for Licensing Persons Performing High Risk Work applies to persons performing dogging, rigging, scaffolding work and operating elevating work platforms. Completion of the following units is required for certification and where applicable, at either basic, intermediate or advanced levels:

- CPCCLDG3001 Licence to perform dogging
- CPCCLRG3001 Licence to perform rigging basic level
- CPCCLRG3002 Licence to perform rigging intermediate level
- CPCCLRG4001 Licence to perform rigging advanced level
- CPCCLS2001 Licence to erect, alter and dismantle scaffolding basic level
- TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more).

Different work tasks within a live production environment may fall within the definition of construction work. If so, people entering a construction site are required to complete the general induction training program specified by the National Code of Practice for Induction for Construction Work (Commonwealth of Australia, 2007).

Achievement of the unit 'CPCCWHS1001 Prepare to work safely in the construction industry' fulfils this requirement.

Pre-requisite Unit

CPCCLRG3002 Licence to perform rigging intermediate level

RIIWHS204E Work Safely at Heights

CPCCWHS1001 Prepare to work safely in the construction industry

CUAWHS313 Apply work health and safety practices in a live production environment

Unit Sector

Media and Entertainment Production – Staging

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. Identify and plan arena rigging requirements	1.1 Obtain rigging and venue plan and discuss requirements with required personnel 1.2 Interpret venue capacity and marking out requirements 1.3 Identify potential workplace hazards and determine hazard control measures 1.4 Organise modifications in line with own level of responsibility and refer matters that need attention to required personnel 1.5 Plan installation work in line with safety guidelines and licensing requirements 1.6 Anticipate problems that may arise during installation, rehearsal and operational phases and plan accordingly 1.7 Obtain approval for weight loads plan and safe work methods statement 1.8 Mark out rigging locations according to installation plan
2. Inspect equipment and set up tasks	2.1 Select and inspect rigging and associated equipment according to organisational policies and procedures and production requirements 2.2 Select and inspect required safety equipment 2.3 Identify defects in rigging, safety and associated equipment and take action in collaboration with required personnel 2.4 Apply hazard control measures to work area according to organisational policies and procedures 2.5 Interpret and communicate applicable site information to required personnel 2.6 Determine forces and loads associated with assembling and dismantling structures in consultation with required personnel 2.7 Position rigging and associated equipment for work

ELEMENT	PERFORMANCE CRITERIA
	application and stability according to organisational policies and procedures 2.8 Rig bridles, spreaders and other rigging equipment and create rigging points not covered by existing grids 2.9 Install and synchronise chain motors and winches as required 2.10 Install brailing lines as required 2.11 Install specialist staging elements according to production and safety requirements 2.12 Test equipment installed for functionality and adjust installation as required
3. Assemble rigging equipment	3.1 Assemble top rigging at ground level according to production requirements and site information 3.2 Operate chain hoists as required 3.3 Assemble bottom rigging according to production requirements and site information 3.4 Assemble trusses according to production requirements and site information 3.5 Remove excess rigging and associated equipment from work area as required
4. Dismantle and pack up rigging equipment	4.1 Dismantle rigging and associated equipment according to production requirements and site information 4.2 Inspect rigging, safety and associated equipment for damage and defects 4.3 Store rigging and associated equipment according to organisational policies and procedures 4.4 Remove hazard control measures as required 4.5 Organise maintenance of equipment as required 4.6 Participate in post-show debriefing sessions and note aspects of staging operations that could be improved in future productions 4.7 Review own work and adjust work practices accordingly.

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 production documentation in relation to own duties
Writing	Marks out different locations for placement of rigging equipment
Oral communication	- Obtains information using listening and questioning techniques - Conveys information to others using clear and direct language
Numeracy	Makes calculations to determine Safe Working Load (SWL), Working Load Limit (WLL) and other required calculations
Self-management	- Undertakes tasks in line with own level of responsibility - Understands and complies with organisational policies and procedures - Understands own work health and safety responsibilities
Teamwork	Works collaboratively with colleagues to keep the workplace safe
Planning and organising	- Adopts a methodical and logical approach to assembling rigging and associated equipment - Applies knowledge of rigging and associated equipment to work activities
Initiative and enterprise	- Identifies the most applicable and time-efficient way of assembling and dismantling rigging and other equipment - Identifies issues with equipment and liaises with required personnel in response.

Unit Mapping Information

New unit. No equivalent unit.

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 CUASTA414 Undertake arena rigging activities

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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:

- assemble and dismantle rigging for at least one production.

In the course of the above, the candidate must:

- interpret rigging requirements and plan installation tasks
- conduct work safely at heights
- maintain stability of rigging and associated equipment during assembly and dismantling
- work collaboratively with others during assembly and dismantling
- follow safe work practices including wearing fitted and safety equipment when completing work tasks
- use applicable mathematical techniques to complete required calculations.

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:

- hazards associated with assembling and dismantling rigging and associated equipment and risk management procedures for minimising them
- types and functions of rigging, safety and associated equipment and their limitations
- organisational and workplace standards, requirements, policies and procedures for rigging
- the hierarchy of hazard identification and control
- how to interpret load data sheets for different rigging elements
- applicable mathematical procedures for estimation and measurement of loads
- methods of lifting, handling and supporting rigging equipment during assembly and dismantling
- contents of safe work method statements

- issues and challenges that typically arise in the context of assembling and dismantling rigging and associated equipment, and solutions to address them
- difference between determinate and indeterminate structures
- use of load monitoring equipment as it applies to arena rigging activities
- scientific principles of lifting, handling, stability and moving loads in the context of assembling and dismantling rigging and associated equipment
- applicable Commonwealth, state or territory and local government work health and safety (WHS) legislation, standards and codes of practice for undertaking arena rigging activities
- inspection and maintenance requirements on different rigging and associated equipment in line with Australian Standards or manufacturer's specifications
- safety issues that impact on rigging systems, including regulations about:
 - tasks that require a licensed rigger
 - work that can be undertaken by unlicensed personnel.

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:

- an arena which requires rigging
- a production that requires rigging
- rigging and associated equipment for assembly and dismantling in an arena
- interaction with others.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education 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 -

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