



Australian Government

CUAPYR402 Operate outdoor fireworks displays

Release: 2

CUAPYR402 Operate outdoor fireworks displays

Modification History

Release	Comments
Release 2	This version released with CUA Creative Arts and Culture Training Package version 2.0. Updated assessment conditions section. Updated modification history section to reflect changed name of training package.
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 1.0.

Application

This unit describes the performance outcomes, skills and knowledge required to apply correct handling and safety procedures when setting up, operating and dismantling outdoor fireworks displays.

Individuals who apply these skills work autonomously in a team environment as they take responsibility for managing risk and emergency procedures at fireworks displays, leading work teams, and communicating procedures and requirements to all those involved in outdoor fireworks displays.

All elements must be undertaken according to the provisions of relevant state or territory legislation and licensing requirements.

Achievement of this unit does not automatically qualify a person to obtain a licence to operate in any Australian State or Territory.

Those developing training to support this unit must consult with the relevant state or territory licensing authority, and work within the requirements and guidelines set down by those authorities.

This unit is closely based on work completed by the Queensland Department of Natural Resources and Mines.

Unit Sector

Media and entertainment production - pyrotechnics

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the</i>	<i>Performance criteria describe the performance needed to</i>

<i>essential outcomes.</i>	<i>demonstrate achievement of the element.</i>
1. Prepare for fireworks displays	1.1 Discuss issues associated with the use and operation of fireworks for displays with relevant personnel 1.2 Establish manual and electric firing techniques for fireworks in line with current industry practices 1.3 Identify fireworks from physical features and markings 1.4 Take account of dangers and safety issues associated with pre-preparing fireworks on-site and off-site 1.5 Follow procedures for the transport and storage of fireworks according to state or territory regulatory requirements
2. Set up fireworks displays	2.1 Determine the integrity of fireworks and their suitability for sites 2.2 Establish and manage exclusion zones and control measures for sites 2.3 Implement site safety measures that meet regulatory requirements and manage risk 2.4 Supervise the set-up of equipment and fireworks according to safety management systems 2.5 Monitor environmental factors to ensure safety
3. Operate fireworks	3.1 Instigate immediate pre-display activities in relation to health and safety according to state or territory regulatory requirements 3.2 Safely initiate fireworks in line with current industry practices 3.3 Maintain control of displays through monitoring and supervising others as required 3.4 Take appropriate action where problems are identified 3.5 Supervise operations in ways that foster cohesion in the work team
4. Finalise work operations	4.1 Clean up and return display sites to owners in original condition 4.2 Complete other post-display activities and documentation as required 4.3 In consultation with relevant personnel, evaluate the effectiveness of operations and safety measures and note areas for improvement in future fireworks displays

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	1.2, 1.3, 2.4	Obtains information from written sources
Writing	4.2, 4.3	Documents outcomes of evaluation of effectiveness of fireworks operations
Oral communication	1.1, 1.2, 1.4, 2.2, 2.4, 3.3, 3.4, 3.5, 4.3	- Obtains information by listening and questioning - Discusses ideas and solutions - Uses clear language to contribute information and express requirements
Navigate the world of work	1.1, 1.2, 1.4, 1.5, 2.2, 2.3, 2.4, 2.5, 3.1, 3.2, 4.1, 4.2	- Takes responsibility for meeting legal and regulatory requirements within scope of own role - Follows workplace protocols
Interact with others	1.1, 1.2, 1.4, 2.2, 2.4, 3.3, 3.4, 3.5, 4.3	Collaborates to achieve joint outcomes and takes a leadership role in work team to help facilitate effective group interaction
Get the work done	1.1, 1.2, 1.3, 1.4, 1.5, 2.1, 2.2, 2.3, 2.4, 2.5, 3.1, 3.2, 3.3, 3.4, 3.5, 4.1, 4.2, 4.3	- Adopts a methodical and logical approach to setting up and monitoring outdoor fireworks displays - Recognises and takes responsibility for addressing predictable, and some less predictable, problems when operating outdoor fireworks displays - Anticipates potential problems and takes action to minimise their effects - Identifies opportunities for improvement based on outcomes of evaluations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUAPYR402 Operate outdoor	CUAPYR402 Operate outdoor fireworks	Updated assessment conditions section.	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
fireworks displays (Release 2)	displays (Release 1)	Updated modification history section to reflect changed name of training package.	

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 CUAPYR402 Operate outdoor fireworks displays

Modification History

Release	Comments
Release 2	This version released with CUA Creative Arts and Culture Training Package version 2.0. Updated assessment conditions section. Updated modification history section to reflect changed name of training package.
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 1.0.

Performance Evidence

Evidence of the ability to:

- identify fireworks that are faulty or not quality assured
- select and use fuses and manually initiate fireworks in a safe manner
- select, test and ignite fireworks with electric initiation equipment
- select and use securing devices and mortar tubes
- apply procedures for:
 - controlling unwanted ignitions and environmental changes
 - managing sites and crowds
- lead a work team during at least one outdoor fireworks display
- operate at least one outdoor fireworks display in a safe manner by:
 - continuously assessing risks
 - implementing additional control measures when required
- complete post-display activities.

Note: If a specific volume or frequency is not stated, then evidence must be provided for each of the above points at least once.

Knowledge Evidence

To complete the unit requirements the individual must:

- explain what is meant by exclusion zones, and the reasons for establishing them for outdoor fireworks displays
- describe issues that need to be addressed in safety management systems

- describe current industry practices that must be considered when operating outdoor fireworks displays
- explain technical issues with fireworks and associated equipment that potentially affect their safe use
- describe potential risk factors to be taken into account when operating fireworks displays, and provide examples of how to minimise those risks and resolve them if necessary
- provide examples of statutory requirements and current industry best practice in relation to the operation of outdoor fireworks displays.

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:

- fireworks display planning documentation
- a selection of fireworks and equipment (display site hardware), including examples of faulty, misfired, damaged fireworks and equipment and/or simulated representations of them
- a selection of electrical firing equipment
- typical work procedures for a specific display (as would be presented by a contractor)
- a suitable non-display site location, such as a workshop for practical demonstration and use of equipment, including electrical firing equipment
- a suitable display site
- relevant display approvals from the administering authority
- relevant legislative and administrative requirements, specific technical material and prescribed forms and documents
- actual or simulated malfunctions that cause abnormal clean-up activities
- personal record-keeping book.

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

Significant health and safety issues impact on the delivery and assessment of skills in pyrotechnics. Assessment of these skills must therefore be undertaken in consultation with state or territory licensing authorities and customised according to the specific fireworks (outdoor, close proximity and/or special effects). Assessors may need to meet additional requirements where stipulated by state or territory regulations.

Assessors must be aware of, and consult with authorities on matters regarding, safety of personnel; safety of crowds and spectators; storage and transportation of pyrotechnic materials; and weather, site and venue conditions. Those seeking to assess competency in this unit must consult with the relevant state or territory licensing authority, and work within the requirements and guidelines set down by those authorities.

Links

Companion Volume implementation guides are found in VETNet -

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