



Australian Government

Department of Education, Employment and Workplace Relations

TLIF1807B Operate firefighting equipment

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to operate and check firefighting equipment in accordance with manufacturers instructions and workplace emergency procedures, including identifying and selecting the appropriate equipment, using the firefighting equipment to fight a fire, and checking that the firefighting equipment is operational.

Application of the Unit

Work must be carried out in compliance with the relevant codes of practice, regulations and workplace requirements concerning the operation and checking of firefighting equipment. Work is performed under some supervision generally within a team environment. It involves the application of workplace procedures and regulatory requirements to the operation and maintenance of firefighting equipment as part of work activities in the transport, distribution and/or allied industries.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

The required outcomes described in this unit of competency contain applicable facets of Employability Skills. The Employability Skills Summary of the qualification in which this competency is packaged will assist in identifying employability skill requirements.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Check firefighting equipment	1.1 Firefighting equipment is checked for serviceability as per manufacturers specifications and regulatory requirements 1.2 Non-functioning equipment or equipment which is past its service date is identified and reported to designated personnel for replacement or service
2 Use firefighting equipment	2.1 Equipment and personal safety equipment used for fighting fires are correctly selected for type of fire in accordance with manufacturers instructions 2.2 Fire is controlled using firefighting equipment according to manufacturers instructions and workplace emergency procedures 2.3 Equipment is stored safely according to manufacturers instructions and workplace procedures

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

Required knowledge:

Australian codes of practice, regulations and safeworking systems relevant to the use and checking of firefighting equipment

Relevant OH&S and environmental protection procedures and guidelines

Workplace procedures and policies for the use and checking of firefighting equipment

The chemistry of fire, the effects of different types of material in a fire and the principles underlying the spread of fire and its extinguishment

The different classes of fire, their characteristics and strategies and equipment needed for their extinguishment

Types of firefighting appliances, equipment and systems, their identifying features, principles of operation and the procedures for their use and basic checking of serviceability

Fixed fire prevention and extinguishing installations and their principles of operation

Firefighting techniques, agents and precautions applicable to different classes of fire

Typical problems that can occur with firefighting equipment and operations and appropriate action and solutions

Manufacturers instructions for the checking of firefighting equipment

Required skills:

Communicate effectively with others when fighting fires using firefighting equipment

Read and comprehend simple statements in English

Read and interpret instructions, procedures, regulations, signs and labels relevant to the use of firefighting equipment and apply them to work activities

Interpret and follow operational instructions and prioritise work

Work safely and collaboratively with others when fighting fires using firefighting equipment

Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others

Promptly report and/or rectify any identified problems, faults or malfunctions that may arise when using firefighting equipment in accordance with regulatory requirements and workplace procedures

Implement contingency plans for unanticipated situations that may occur when using firefighting equipment

Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities

Monitor work activities in terms of planned schedule

Modify firefighting activities and take appropriate initiatives depending on limits of responsibility, differing workplace contexts, risk situations and environments

Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment

Identify and correctly select, use and carry out basic checks on firefighting equipment relevant to own work functions

Operate and adapt to differences in firefighting equipment and emergency procedures in the workplace

Monitor performance of firefighting equipment and take appropriate action is required

Select and use required personal protective equipment conforming to industry and OH&S standards

Evidence Guide

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

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

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:

the underpinning knowledge and skills

relevant legislation and workplace procedures

other relevant aspects of the range statement

Context of and specific resources for assessment

Performance is demonstrated consistently over a period of time and in a suitable range of contexts

Resources for assessment include:

a range of relevant exercises, case studies and other simulated practical and knowledge assessment, and/or

access to an appropriate range of relevant operational situations in the workplace

In both real and simulated environments, access is required to:

relevant and appropriate materials and/or equipment, and/or

applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

Method of assessment

Assessment of this unit must be undertaken by a registered training organisation

As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests

Practical assessment must occur:

through appropriately simulated activities at

the registered training organisation, and/or
in an appropriate range of situations in the
workplace

Range Statement

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.

Work may be conducted:	in a range of work environments by day or night
Customers may be:	internal or external
Workplaces may comprise:	large, medium or small worksites
Work may be conducted in:	limited or restricted spaces exposed conditions controlled or open environments
Types of fires which may occur include:	Classes A, B, C and F in the standard classification of fires
Firefighting equipment, appliances and systems may include:	portable fire extinguishers including foam, water, CO2, dry chemical and wet foam sprinkler systems fire hoses and hydrants fire blankets
Hazards in the work area may include exposure to:	chemicals dangerous or hazardous substances live electrical circuits movements of equipment, goods, materials, trains and vehicular traffic
Consultative processes may involve:	other employees and supervisors current and potential customers suppliers, customers and clients relevant authorities and institutions management and union representatives industrial relations and OH&S specialists
Communication in the work area may include:	phone electronic data interchange (EDI)

	fax
	email
	internet
	RF systems
	oral, aural or signed communications
Dependent of the type of organisation concerned and the local terminology used, workplace procedures may include:	standard operating procedures
	company procedures
	enterprise procedures
	organisational procedures
	established procedures
Personal protective equipment may include:	gloves
	safety headwear and footwear
	safety glasses
	two-way radios
	protective clothing
	high visibility clothing
Information documents may include:	workplace fire emergency procedures and policies
	relevant OH&S and environmental protection regulations
	codes of practice and regulations relevant to fire emergencies, including safeworking regulations and local authority regulations and procedures
	Australian regulations and codes of practice for the transport of dangerous goods and hazardous substances
	operations manuals, job specifications and induction documentation
	manufacturers specifications for firefighting equipment
	technical instructions
	electrified territory regulations
	dangerous goods declarations and material safety data sheets (where applicable)
	goods manifest

	award, enterprise bargaining agreement, and other industrial arrangements
	relevant Australian standards and certification requirements
	quality assurance procedures
	emergency procedures
Applicable regulations and legislation may include:	relevant codes, regulations and safeworking systems for the use and checking of firefighting equipment
	the Code of Practice for the Defined Interstate Rail Network in situations where fire emergencies occur on that network
	Australian and international regulations and codes of practice for the transport of dangerous goods and hazardous substances
	relevant state/territory OH&S and environmental protection legislation
	workplace relations regulations

Unit Sector(s)

Not applicable.

Competency Field

F - Safety Management