



Australian Government

Department of Education, Employment and Workplace Relations

PRMPFES10B Inspect, test and replace fire hose reels in the field

Release: 1

PRMPFES10B Inspect, test and replace fire hose reels in the field

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit of competency covers the maintenance and unit replacement procedures for fire hose reels at a customer's premises. The replacement procedures apply to existing risers fitted with a control valve. All work in this area must be completed in accordance with relevant legislative, industry, customer and organisational requirements, including occupational health and safety (OHS) policies and procedures.

Note: The service technician is not permitted to undertake any installation, replacement, maintenance and repair functions that are restricted to licensed trades or occupations (subject to relevant state/territory regulations).

Application of the Unit

Not Applicable

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Not Applicable

Employability Skills Information

Not Applicable

Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

- | | |
|--|---|
| 1 Interpret and comply with legal and industry requirements relating to service operations | 1.1 Apply knowledge and understanding of <i>legislative and industry requirements</i> , including relevant state/territory building codes, to <i>work procedures</i>
1.2 Confirm or clarify knowledge and understanding of <i>legislative and industry requirements</i> , including state/territory building codes, where necessary, with <i>relevant persons</i>
1.3 Identify <i>potential and actual breaches</i> of <i>legislative and industry requirements</i> and take action according to <i>organisational requirements</i> and <i>OHS policies and procedures</i> |
| 2 Inspect and test fire hose reels | 2.1 Obtain all necessary work permits prior to entering customer premises
2.2 Inspect and test <i>fire hose reels</i> according to the appropriate maintenance schedule of the relevant current Australian Standard, <i>legislative and industry requirements</i> and <i>customer requirements</i>
2.3 Report, repair and replace all defects in accordance with technical specifications and <i>work procedures</i>
2.4 Leave customer premises in a clean and tidy condition on completion of the installation functions
2.5 Complete and distribute all <i>documentation</i> according to <i>organisational requirements</i> |
| 3 Install replacement fire hose reels | 3.1 Install <i>fire hose reel</i> assemblies according to manufacturers' instructions, <i>customer requirements</i> , relevant current Australian Standards and <i>legislative and industry requirements</i>
3.2 Commission installed fire hose reels according to relevant current Australian Standards
3.3 Leave customer premises in a clean and tidy condition on completion of the installation functions
3.4 Complete and distribute all <i>documentation</i> according to <i>organisational requirements</i> |

Required Skills and Knowledge

Refer to Evidence Guide

Evidence Guide

EVIDENCE GUIDE

Knowledge needed to achieve the performance criteria

Knowledge and understanding are essential to apply this unit of competency in the workplace, to transfer the skills to other contexts, and to deal with unplanned events. The knowledge requirements for this unit are listed below.

- The key features of legislation, regulations and codes applicable to inspecting, testing and replacing fire hose reels.
- The purpose of the Building Code of Australia.
- The implications of NOT applying legislative requirements to job functions.
- Action to take when a breach of health, safety and other policies occurs.
- Reasons for conducting a periodic maintenance schedule.
- Implications of cross-threading water connections.
- Steps and processes to be followed when unusual or non-documented faults are found.
- Implications of not completing the documentation as required.
- Reasons why activities related to work on reticulated water systems are restricted to licensed plumbers.
- Awareness that operating a fire hose reel may activate a booster pump.

Specific skills needed to achieve the performance criteria

To achieve the performance criteria, some complementary skills are required. These relate to the ability to:

- apply correct manual handling techniques
- use hand and power tools safely
- use tools with dexterity
- connect pipe and hose joining components/systems
- report and record information neatly and legibly when completing documentation
- apply language, literacy and numeracy skills to:
 - communicate with others in a clear and concise manner in both written and verbal modes
 - read, understand and comply with work instructions/specifications
 - read, understand and record measurements
- utilise effective customer service skills and relate to people from a range of social and cultural backgrounds
- plan and organise work in order to estimate time to complete activities and prioritise tasks
- use appropriate workplace housekeeping procedures
- be aware of OHS issues and requirements in order to work safely.

Other units of competency that could be assessed with this unit

The following units of competency must be assessed prior to this unit:

- PRMPFES04B Identify fire protection equipment
- PRMPFES06C Prepare for installation and servicing operations.

Resources required to assess this unit

The following resources should be available:

- access to customer premises or a simulated workplace environment
- assessment documentation

- all necessary tools, specialist equipment, manuals, spare parts and relevant documentation
- training and assessment record book.

Gaining evidence to assess this unit

For valid and reliable assessment of this unit, the competency should be demonstrated over a period of time and be observed by the assessor (or assessment team working together to conduct the assessment). The competency is to be demonstrated in a range of situations, which may include customer/workplace interruptions and involvement in related activities normally experienced in the workplace.

Assessment of competence over the full range of performance criteria should be made through practical demonstrations at a customer's premises. However, at times this may not be practicable, and in these situations, the conditions normally available to the candidate may be simulated in an environment suitable for assessment.

Assessment on only one type of fire hose reel (as detailed in the range statement) is required as the ability to transfer skills to other types is inferred from this assessment. (Oral questioning may also be used to provide evidence of this ability.)

Candidates should also be given the opportunity to practise and undertake self-assessment of performance before requesting formal assessment.

All safety requirements must be strictly adhered to during all practical activities.

Oral questioning or a written assessment may be used to assess underpinning knowledge. (In assessment situations where the candidate is offered a preference between oral questioning and written assessment, questions are to be identical.)

Assessment of evidence should establish the candidate's ability to perform the job to the standard required in the workplace.

Supplementary evidence may be obtained from relevant authenticated correspondence or reports from supervisors or team leaders. Other forms of evidence may include audit reports, client/customer survey reports and appraisal reports.

Note: The candidate should be encouraged to compile a portfolio of examples of completed documentation relevant to the candidate's organisation. One accurate example of each completed document is suggested as sufficient to infer competency and the ability to transfer the appropriate skills to each document type when required in the workplace. (Oral questioning may also contribute as evidence of this ability.)

Information derived from enterprise policy and practices must be treated as commercial-in-confidence.

Performance and assessment of this unit must be carried out within the relevant requirements of the following legislative and industry framework:

- building Acts/regulations/codes
- Australian Standards identified as relevant to the required maintenance procedure
- environmental regulations
- manufacturers' specifications
- organisational requirements, including OHS policies and procedures
- OHS legislation, codes and regulations.

Key competency levels

There are a number of processes learnt throughout work and daily life that are required in all jobs. They are fundamental processes and generally transferable to other work environments. Some of these work processes are covered by the key competencies listed below. Information provided to each question highlights how these processes are applied in this unit of competency.

The number in brackets indicates the level to which the key competency should be demonstrated.

- | | | |
|------------------------------|---|---|
| 1 Perform the process | 2 Perform and administer the process | 3 Perform, administer and design the process |
|------------------------------|---|---|

How can information be collected, analysed and organised (2) ?	Gather, analyse and organise information from a number of sources such as customer, including regulatory and manufacturer sources with regard to fire hose reel servicing operations.
How can communication of ideas and information (2) be applied?	Discuss with customer to confirm their requirements and complete administrative documentation.
How are activities planned and organised (2) ?	Prepare servicing activities in the field with regard to meeting customer requirements.
How can teamwork (1) be applied?	Provide support and assistance to team group, measuring knowledge and understanding.
How can the use of mathematical ideas and techniques (1) be applied?	Discuss basic mathematical techniques including updating maintenance schedules and adhering to designated work schedules.
How can problem-solving skills (2) be applied?	Prepare activities to undertake solving problems in relation to processes to be followed when unusual faults are detected.
How can the use of technology (2) be applied?	Discuss and apply technical fire protection principles in the maintenance of fire hose reel assemblies.

Range Statement

RANGE STATEMENT

The range statement links the required knowledge and organisational and technical requirements to the workplace context. It describes any contextual variables that will be used or encountered when applying the competency in work situations. It allows for different work practices and work and knowledge requirements as well as for differences between organisations and workplaces. The following variables may be present for this particular unit.

Legislative and industry requirements may include:

- relevant Commonwealth and state/territory building Acts/regulations/codes
- OHS legislation, codes and regulations
- relevant current Australian Standards e.g. AS1851
- Building Code of Australia
- dangerous goods regulations
- licensing arrangements
- environmental regulations
- building surveyor requirements
- other relevant legislation (including international and shipping/marine codes) relating to fire protection equipment

- Australian petroleum industries' requirements.

Work procedures may include:

- instructions from colleagues/supervisor/manager
- specific customer requirements
- assignment instructions
- equipment manufacturers' requirements
- reporting and documentation requirements
- personal protective equipment requirements.

Relevant persons may include:

- team leaders
- supervisors
- managers
- colleagues
- customers.

Potential and actual breaches of legislative and industry requirements could be identified by:

- direct observation
- as part of workplace quality assurance teams.

Organisational requirements may be located in quality assurance and/or procedures manuals relating to:

- legal and organisational policy/guidelines
- personnel practices and guidelines outlining work roles, responsibilities and delegations
- legislation relevant to the service operation
- OHS policies, procedures and programs
- documentation and information systems and processes
- use of electronic job scheduling and communication devices.

OHS policies and procedures may relate to:

- employer/employee rights and responsibilities
- the OHS hierarchy of control
- assessing the work site for hazards and risks prior to preparing the work site for the work procedure
- displaying signs and/or utilising barriers in the work area
- hazard and risk identification and reporting
- risk assessment and control measures
- incident/accident investigation
- OHS audits and safety inspections
- safe operating procedures/instructions including:
 - working safely around electrical wiring, cables and overhead powerlines
 - working safely around tools and equipment
 - working safely on ladders and raised platforms
 - risk and hazard recognition
 - emergency procedures
 - awareness of electrical hazards
 - following confined spaces procedures

- utilising personal protective equipment including:
- safety glasses or goggles
- safety boots or shoes
- hard hat
- ear muffs or plugs
- appropriate gloves and overalls
- sun hat
- dust mask
- equipment maintenance and use
- use and storage of hazardous substances
- First Aid.

Fire hose reel types may include:

- wall-mounted
- swing-hinged
- vehicle-mounted.

Installation is from an existing riser, fitted with a control valve.

Customer requirements may include:

- provision of routine services
- provision of non-routine or urgent services
- confirmation of, or variations to, service instructions
- sighting work permits
- sign-in/out procedures for entry to or exit from premises
- written or verbal confirmation of services provided and/or future maintenance schedule.

Documentation may include:

- job card
- service tag
- customer recommendation forms
- service agreements
- expense claims
- application for credit form
- equipment recommendation form
- Fleetcard
- corrective action report
- petty cash voucher
- certificate of inspection
- product documentation
- maintenance record system.

Note: The service technician is not permitted to undertake any installation, replacement, maintenance and repair functions that are restricted to licensed trades or occupations.

Any installation or repair procedures involving work to equipment/resources prior to the control valve is restricted to licensed plumbers only.

Australian Standards are frequently revised and users must always check for currency.

Unit Sector(s)

Not Applicable