



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **PUADEFPE003A Test fuel hoses**

**Revision Number: 1**

## **PUADEFPE003A Test fuel hoses**

### **Modification History**

Not applicable.

### **Unit Descriptor**

#### **Unit Descriptor**

This unit covers the competency required to perform hydrostatic and continuity testing of petroleum hoses.

This unit of competency has been aligned with Australian Standard 2683-2000: Hose and hose assemblies for distribution of petroleum and petroleum products (excepting LPG).

### **Application of the Unit**

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This unit applies to hoses used for the transfer of fuel products.

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

### **Employability Skills Information**

#### **Employability Skills**

This unit contains employability skills.

#### **Pre-requisite Unit/s**

Nil

## 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. Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

## Elements and Performance Criteria

### ELEMENT

### PERFORMANCE CRITERIA

#### 1. Prepare for testing process

- 1.1 ***Australian Standards*** and ***industry requirements*** relating to fuel hose testing are accessed, interpreted and applied to testing process
- 1.2 ***Safety requirements*** to conduct of hydrostatic and continuity testing are interpreted and applied during testing process
- 1.3 ***Test equipment*** is checked for serviceability prior to operation
- 1.4 ***Personal protective equipment*** is selected and worn during testing process

#### 2. Perform fuel hose tests

- 2.1 Continuity tests are performed on fuel hoses in accordance with Australian Standards
- 2.2 Hydrostatic tests are performed on fuel hoses in accordance with Australian Standards
- 2.3 Test results are interpreted, abnormal results are analysed and secondary tests are performed where accuracy is in doubt
- 2.4 Tests are performed at intervals stipulated within Australian Standards and ***workplace procedures***

**ELEMENT****PERFORMANCE CRITERIA****3. Finalise test procedures**

- 3.1 Test results are recorded and reported in accordance with Australian Standards and workplace procedures
- 3.2 Hoses are classified and labelled according to test results
- 3.3 Hoses which fail testing procedures are handled in accordance with Australian Standards and workplace procedures

## Required Skills and Knowledge

**REQUIRED SKILLS AND KNOWLEDGE**

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

**Required Skills**

- compile test documentation
- interpret Australian Standards, regulations and technical publications
- operate specific test equipment
- use personal protective equipment

**Required Knowledge**

- Australian Standards relating to petroleum hoses
- hydrostatic and continuity testing procedures
- relevant OH&S legislation and policies

## Evidence Guide

**EVIDENCE GUIDE**

## EVIDENCE GUIDE

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

- Nil

### Consistency in performance

Competency should be demonstrated performing a number of tests on different sizes and types of petroleum hoses used within the workplace.

### Context of and specific resources for assessment

#### Context of assessment

Competency should be assessed in the workplace or a simulated environment.

#### Specific resources for assessment

Access is required to:

- workplace specific fuel hoses
- specific test equipment
- personal protective equipment
- Australian Standards and workplace operating procedures and publications.

## 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. ***Bold italicised*** wording in the Performance Criteria is detailed below.

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Australian Standards must include</b>         | Australian Standard 2683-2000: Hose and hose assemblies for distribution of petroleum and petroleum products (excepting LPG)                                                                                                                                                                                                                                                                      |
| <b>Industry requirements may include</b>         | <ul style="list-style-type: none"> <li>Def (AUST) 5695</li> </ul>                                                                                                                                                                                                                                                                                                                                 |
| <b>Safety requirements may include</b>           | Bunding<br>Location of testing<br>Personal protective equipment<br>Pressure in accordance with Australian Standards                                                                                                                                                                                                                                                                               |
| <b>Test equipment may include</b>                | Multimeter<br>Hydraulic pressure tester                                                                                                                                                                                                                                                                                                                                                           |
| <b>Personal protective equipment may include</b> | <ul style="list-style-type: none"> <li>Eye protection</li> <li>Gloves</li> <li>Safety footwear</li> </ul>                                                                                                                                                                                                                                                                                         |
| <b>Workplace procedures may include</b>          | Duty statements<br>Legislative requirements<br>Manufacturers' handbooks, industry specifications and technical instructions<br>Organisational policies and procedures<br>Procedure manuals<br>Relevant state/territory and organisational OH&S regulations<br>Standard Operating Procedures<br>Technical manuals <ul style="list-style-type: none"> <li>Written or verbal instructions</li> </ul> |

**Unit Sector(s)**

Not applicable.

**Corequisite Unit/s**

**Co-requisite Unit/s** Nil