



Australian Government

PUAFIR404B Inspect dangerous goods facilities

Release 3

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Modification History

Release	TP Version	Comments
2	PUA12 V2	Application of the Unit added Unit revised to reflect current work requirements Method of assessment added
1	PUA00 V8.1	Primary release on TGA

Unit Descriptor

This unit covers the competency required to inspect dangerous goods facilities and identify areas of non-compliance.

Legislative, regulatory and certification requirements are applicable to this unit.

Application of the Unit

This unit applies to personnel authorised by their agency to prepare for and conduct inspection of sites that store and handle dangerous goods and to identify areas of non-compliance with national and state/territory regulations that apply to the storage and handling of dangerous goods.

Personnel applying this unit are required to notify, where required, the relevant authorities of breaches in compliance or health and safety issues that pose a risk to occupants and/or the community.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

PUAFIR403B Assess building plans

Employability Skills Information

This unit contains employability skills.

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 Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Identify presence of dangerous goods and/or hazardous substances	1.1 Dangerous goods and/or <i>hazardous substances</i> are identified in accordance with organisational procedures. 1.2 Dangerous goods and/or hazardous substances labelling and documentation are located. 1.3 <i>Information about hazardous substances</i> is confirmed through available sources of information and interpreted as needed. 1.4 <i>HAZMAT identification information</i> about dangerous goods and/or hazardous substances is sought from authorised personnel and relevant authorities.
2. Establish location and quantity of dangerous goods and/or hazardous substances	2.1 Location of dangerous goods and/or hazardous substances is identified. 2.2 Licensed quantity of dangerous goods and/or hazardous substances stored or handled in the different locations is determined. 2.3 Type of bulk or package storage is identified. 2.4 Use of storage, process or transport of dangerous goods and/or hazardous substances is identified. 2.5 Number of different classes of dangerous goods located in one area is identified. 2.6 Site manifests are located and examined.
3. Identify product information	3.1 <i>Safety data sheets (SDSs)</i> are located and information accessed and interpreted. 3.2 Product safety information is located and interpreted. 3.3 Additional information such as manifests, HAZCHEM signage, safety signs, is located and interpreted where applicable.
4. Identify and locate fire safety systems in a facility's plan and associated documentation	4.1 Type of facility is identified. 4.2 <i>Fire safety systems</i> and components are correctly identified on facility plans and associated documentation. 4.3 Using facility plans and associated documentation, fire safety systems are located in the facility. 4.4 Variations between facility plans and actual locations are recorded.
5. Verify actual fire safety systems with a facility plan and associated	5.1 Facility plans and associated documentation are compared with the actual location of the facility's fire safety systems.

- documentation**
- 5.2 Variations between facility plans and associated documentation and actual locations are recorded.
- 6. Assess the operation and maintenance of the fire safety systems**
- 6.1 Installed automatic fire alarm systems are checked against stated facility requirements.
- 6.2 Method of operation of the facility's evacuation system is checked using as a guide, AS 1670.4-2004 Fire detection, warning, control and intercom systems - System design, installation and commissioning - Sound systems and intercom systems for emergency purposes.
- 6.3 Facility's emergency organisation is checked using as a guide, AS 3745-2010 Planning for emergencies in facilities.
- 6.4 Maintenance procedures and log book for automatic fire alarm systems are checked using as a guide, AS 1851-2005/Amdt 2-2008 Maintenance of fire protection systems and equipment.
- 6.5 Maintenance procedures and log books are checked using design requirements as a guide.
- 6.6 Other maintenance requirements for fire safety systems are identified and examined against the stated standard for the particular system.
- 6.7 Fire safety systems are tested in conjunction with a facility representative, and recorded and reported in accordance with organisational procedures.
- 6.8 Variations to design requirements are noted and reported.
- 7. Record and report information**
- 7.1 Information relating to dangerous goods and/or hazardous substances located in the facility is documented in accordance with organisational procedures.
- 7.2 Issues identified are documented in accordance with organisational procedures.
- 7.3 Variations to facility plans and associated documentation are outlined.
- 7.4 ***Information about facility fire safety system's operation*** and maintenance is provided.
- 7.5 Collated information and issues identified are reported to supervisor or relevant authorities in accordance with organisational procedures.

Required Skills and Knowledge

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

Required Skills

- conduct inspections using relevant regulations, codes and standards as a reference
- interpret facility plans and associated documentation (such as log books) and specifications
- interpret relevant regulations, codes and standards
- produce reports

Required Knowledge

- containing and removing hazardous materials
- dangerous goods and hazardous substances
- difference between packaging and storage of dangerous goods
- forms of identification
- information systems to identify dangerous goods/hazardous substances
- procedures involved in responding to a hazardous materials incident
- special hazards

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

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

Assessment must confirm the ability to:

- compare stated fire safety systems with actual fire safety systems
- identify dangerous goods and hazardous substances
- report on inspection and highlight variations
- determine maintenance requirements of fire safety systems and correct maintenance practices
- identify and certify fire safety systems
- assess the operation

Consistency in performance

Competency should be demonstrated over time in a range of actual or simulated workplace environments.

Context of and specific resources for assessment

Context of assessment

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

Specific resources for assessment

Access is required to:

- appropriate regulations, codes and standards
- access to a suitable facility

Method of assessment

In a public safety environment assessment is usually conducted via direct observation in a training environment or in the workplace via subject matter supervision and/or mentoring, which is typically recorded in a competency workbook.

Assessment is completed using appropriately qualified assessors who select the most appropriate method of assessment.

Assessment may occur in an operational environment or in an agency-approved simulated work environment.

Forms of assessment that are typically used include:

- direct observation
- interviewing the candidate
- journals and workplace documentation
- third party reports from supervisors
- written or oral questions

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.

<i>Hazardous substances</i> must include:	- any material which, without adequate safeguards, may contaminate the environment and/or threaten life or property - dangerous goods - scheduled poisons - environmental pollutants - prescribed listed wastes
<i>Sources of information</i> must include:	- emergency procedure guides - emergency response guide books - European marking ADR hazard identification numbers - HAZCHEM code - HAZMAT action guides - national fire protection association hazardous materials code
and may also include:	- safe storage and handling information cards - Safe Work Australia - technical advice
<i>HAZMAT identification information</i> must include:	- United Nations numbers - proper shipping names - product names or trade names - chemical names and chemical abstract service numbers - dangerous goods class labels - packing groups - emergency information panels - placarding - storage manifests - transportation documents - chemical abstract service number
<i>Safety data sheets</i> must include:	- chemical and physical properties - health hazard information - precautions for use - product identity - safe handling information
<i>Fire safety systems</i> must	- bundling - communications system

include:	• cooling water system • evacuation system • explosion relief devices • fire main system • fire sprinkler system • fire suppression system • fire/flame detection and alarm system • gas/vapour detection and alarm systems • passive fire protection • smoke/ventilation control system • static water and pump sets
<i>Information about facility fire safety system's operation</i> may include:	• Australian Standards • British/European Union Standards • company/owner requirements • factory mutual systems – loss prevention data • industry association specification • manufacturer specification • Safe Work Australia standards and codes • work health and safety legislation

Unit Sector(s)

Not applicable.