



Australian Government

DEFCA016 Use individual protective equipment in a CBRN threat environment

Release 1

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Modification History

Release	TP Version	Comment
2	DEF12 V2	New Unit
1	DEF12 V1	First release

Unit Descriptor

This unit covers the competency required to prepare and utilise individual protective equipment in chemical, biological, radiological or nuclear (CBRN) threat environment. The individual will be responsible for preparing the protective equipment prior to deployment and once in location utilise the equipment to provide individual protection from a CBRN threat.

Compliance with procedures, including the functional testing of the equipment, is an essential part of this unit.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication. In a Defence context, this means that there is no civilian need to hold this unit in order to meet licensing, legislative, regulatory or certification requirements.

Application of the Unit

This unit covers the competency required to prepare and utilise individual protective equipment in chemical, biological, radiological or nuclear (CBRN) threat environment. The individual will be responsible for preparing the protective equipment prior to deployment and once in location utilise the equipment to provide individual protection from a CBRN threat.

Compliance with procedures, including the functional testing of the equipment, is an essential part of this unit.

All aspects of this unit must be completed in accordance with legislation, relevant standards, and organisational policies and procedures.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

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. Prepare respirator and protective clothing and equipment ensemble to meet CBRN threat	1.1 Respirator and <i>ensemble</i> requirements are <i>identified</i> , prepared, assembled and function tested. 1.2 User maintenance on respirator and ensemble are conducted. 1.3 Faulty equipment is rejected and/or reported.
2. Plan and prepare for combat arms tasks	2.1 Equipment is used to meet operational tasking and workplace requirements. 2.2 Authorised CBRN drills are used to detect <i>threats/hazards</i> , carry out decontamination hazard reduction measures and to prepare and utilise equipment to meet changes in the operating environment, changes in threat, detection of hazards and the occurrence of an CBRN incident. 2.3 Confirmatory function testing of equipment is conducted periodically during operations.

Required Skills and Knowledge

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

Required Skills

- identify, inspect, prepare and clean respirator and clothing and equipment ensemble
- follow instructions/directives and report information
- identify basic equipment faults
- use respirator and ensemble
- provide reports on faulty equipment
- read and apply standard procedures

Required Knowledge

- equipment preparation and handling procedures
- policy and procedures relevant to the operation of NBC equipment
- responsibilities of individuals for operating equipment
- CBRN threat awareness
- CBRN individual protective procedures
- respirator and clothing and equipment assemble available for use

Evidence Guide

Critical aspects for assessment and evidence required to demonstrate competency in this unit	Assessment must confirm the ability to: • identify, prepare, assemble and function test CBRN respirator and ensemble • use CBRN respirator and ensemble to meet operational tasking and workplace requirements • use authorised CBRN drills to detect threats/hazards, carry out decontamination hazard reduction measures and to prepare and utilise equipment to meet changes in the operating environment, changes in threat, detection of hazards and the occurrence of an CBRN incident Consistency in performance Competency should be demonstrated over time and across a range of simulated or actual workplace situations and is to include exposure to CS gas or a similar non-lethal chemical agent.
Context of and specific resources for assessment	Context of assessment Competency should be assessed in the workplace or in a simulated workplace environment. Specific resources for assessment Access is required to: • organisational CBRN publications • organisational CBRN workplace operating procedures • authorised CBRN drills • task specific CBRN equipment

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>Ensemble clothing and equipment</i> may include:	• apron • CBRN first aid equipment • detector Paper • disposable and reusable protective suits • distress signal units • gas-tight suits • gloves toxicological (inner and outer) • in-service chemical simulants • in-service CS training aids • in-service individual protective equipment • in-service respirator or breathing apparatus • over-boots • personal protective equipment as issued • smock • splash suits • thermal protective clothing • trousers
<i>Sources for identifying protective clothing and equipment</i> may include:	• CBRN doctrine • electronic databases • emergency procedure guides for transport • emergency response guide books • HAZCHEM emergency action code • HAZMAT action guide • Material Safety Data Sheets • organisational procedures • relevant Australian Standards, • relevant Codes of Practice • technical specialists
<i>Threats/hazards</i> may include:	• adverse weather • chemical agents • fog or drizzle • geological agents • heat and cold • noise • postural restrictions

	• psychological stress • radiation • reduced visibility • release other than attack • time restraints • toxic industrial chemicals • toxic industrial materials • vibration
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Unit Sector(s)

Not applicable.