



Australian Government

DEFPH010A Conduct a field hygiene survey

Release: 2

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Modification History

Release	TP Version	Comments
2	DEF12V2	Layout adjusted. No changes to content.
1	DEF12V1	Primary release.

Unit Descriptor

This unit covers the competency required to conduct a field hygiene survey within the Australian Defence Force (ADF).

Application of the Unit

The application of this unit in the workplace includes liaising with and surveying an organisation to identify areas of responsibility, inspecting sanitary conditions of the general environment, making an assessment of inhabited buildings, assessing the presence of disease vectors, determining the need for field hygiene facilities, identifying supply and storage of potable water, assessing arrangements for food storage and handling, assessing compliance with work health and safety (WHS) policy and procedures, and providing recommendations on action needed to correct any defects observed.

This unit of competency is applicable to preventive medicine personnel. This function is limited to the performance of tasks in accordance with organisational policies and procedures. Field hygiene surveys may be performed on medium to large organisations that are generally operating in the field setting. The survey may be performed on an organisation already deployed in the field or on an area intended for deployment.

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 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. Determine field hygiene survey requirements	1.1 Relevant personnel are liaised with, to gain support for survey activities. 1.2 Scope of survey is determined in line with organisation's planned activities and operational requirements. 1.3 Local area of responsibility is clarified to establish survey area boundary. 1.4 Current data relevant to survey requirements is identified, sourced and evaluated to establish a point of reference and comparison. 1.5 Equipment required to perform survey is made ready. 1.6 Methods of data collection are identified in line with organisation's planned activities and operational requirements.
2. Perform field hygiene survey	2.1 General environment is inspected for its sanitary condition and areas of general hygiene risk. 2.2 Organisation's location and siting are assessed against factors affecting camp site selection. 2.3 Layman's assessment is made of building integrity and suitability for use and habitation. 2.4 Presence of disease vectors, vermin and insects is assessed. 2.5 Requirement for, location, condition and suitability of field hygiene facilities are assessed. 2.6 Requirement for, positioning, type and operation of field waste facilities are assessed. 2.7 Positioning and arrangements for food/water storage and handling facilities are assessed to ensure they optimise the safety of food/water distribution. 2.8 Compliance with and monitoring of WHS practices are assessed. 2.9 Recommendations on action needed to correct any deficiencies observed during the survey are determined.

3. Report field hygiene survey findings

- 3.1 Assessment findings are recorded in accordance with organisational policy
- 3.2 Assessment findings are communicated to relevant personnel along with recommendations on action needed to correct any deficiencies.
- 3.3 Assessment findings are demonstrated to relevant personnel to impart understanding of recommendations as they apply to specific locations and facilities within the organisation.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required Skills

- communicate appropriately about, consult on and impart knowledge of:
 - application of the permethrin/DEET repellent system
 - causes of disease transmission
 - causes of manpower wastage
 - control measures of disease transmission
 - food storage and distribution standards
 - water quality assurance measures
 - workplace safety policy and practices
- gather field hygiene data via from available sources
- interpret field hygiene data
- liaise and communicate with persons in positions of authority
- make technical judgements based on own level of knowledge and experience
- prioritise tasking
- work safely

Required Knowledge

- aetiology of disease relevant to vector borne diseases
- best use of available resources
- causes of disease transmission
- causes of manpower wastage
- control measures of disease transmission
- documentation processes relevant to own workplace
- food storage and distribution standards including the Hazard Analysis and Critical Control Point (HACCP) approach to food control

REQUIRED SKILLS AND KNOWLEDGE

- health surveillance system
- methods of establishing field hygiene and waste facilities
- organisational policies and procedures
- pathophysiology of common communicable diseases
- process of disease
- risk management principles
- time management strategies to set priorities
- vector borne diseases of interest to the ADF
- water quality assurance measures

Evidence Guide

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

Assessment must confirm the ability to:

- liaise with the organisation to gain support for survey activities
- accurately identify hygiene risks and to identify actions to correct deficiencies

Consistency in performance

Competency should be demonstrated over a minimum of two assessment occasions.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in an actual workplace situation. This may be in an urban or a field setting.

Specific resources for assessment

Access is required to:

- appropriate equipment and stores
- range of environments (urban and field)
- relevant organisational policies and procedures

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>Equipment</i> may include:	• Environmental monitoring devices • Vector surveillance devices
<i>Methods of data collection</i> may include:	• Document search • Inspection • Interview • Requests for information • Survey
<i>General environment</i> may include:	• Approaches • Drainage • Local population • Terrain • Vegetation • Water
<i>Factors affecting camp site selection</i> may include:	• Avoiding areas close to towns or villages in developing countries • Avoiding broken ground, river banks or the shores of lakes or swamps • Avoiding recently vacated sites • Camp front that faces the prevailing wind • Considering a site for possible expansion of facilities • Placing sanitary facilities downwind of camp preferably not more than 100 metres or less than 30 metres from sleeping accommodation • Placing sleeping accommodation in the front of camp, cooking and messing facilities to the side or rear • Running water supply (desirable) • Sealed roads (desirable) • Selecting high ground that is well grassed, if possible, and of good natural drainage • Tented accommodation must be trenched and drained
<i>Layman's assessment</i> may include:	• Ability to withstand a storm or earthquake • Determining the materials used in constructing the building (e.g. asbestos) • Likelihood of collapse • Protection from weather or flooding

	• Providing appropriate access and egress • Suited to the purpose for which they are being used • Ventilation
Field hygiene facilities may include:	• Hand washing facilities • Laundry facilities • Shower facilities
Field waste facilities may include:	• Bio-hazardous waste: • central collection point • Dry waste: • central collection point • inclined plane incinerator • Human waste: • pan latrine • portaloo • shallow/deep bore latrine • shallow/deep trench latrine • shallow trench urinal • trench latrine • trough/funnel urinal • Waste (grey) water: • absorption trench • evaporating pans • grease trap • herringbone drains • soakage pit
Arrangements for food/water storage and handling may include:	• Applying the Hazard Analysis and Critical Control Point (HACCP) approach to food control • Applying storage temperatures • Approving the use of alternative water distribution equipment during extreme emergencies • Assessing environment for suitability for food preparation • Assessing food handling procedures (preparation, storage, distribution) • Assessing suitability and adequacy food storage • Central control point • Contributing to inspection of a food preparation facility • Ensuring water distribution equipment is regularly surveyed by health personnel • Ensuring water sources have been surveyed

	• Monitoring hygiene practices of personnel during food consumption • Organising regular water-point survey by health personnel • Recommending procedures for the maintenance of water potability
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Unit Sector(s)

Not applicable.