



**Australian Government**

# **DEFFOR020 Inspect, maintain and test digital forensic equipment**

**Release: 1**

# DEFFOR020 Inspect, maintain and test digital forensic equipment

## Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package.

## Application

This unit describes the skills and knowledge required to inspect, test and maintain digital forensic equipment.

This unit applies to those working in the gathering and analysis of digital information.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work independently or as part of a team, under indirect supervision, while performing complex tasks in a broad range of contexts. They must be able to use discretion and judgement and take responsibility for the quality of their outputs.

No licensing, legislative or certification requirements apply to unit at the time of publication.

## Pre-requisite Unit

Not applicable.

## Competency Field

Digital Forensics.

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Inspect digital forensic

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

#### 1.1 Conduct visual, auditory or tactile inspection to identify possible operational failure of digital equipment or

|                                                               |            |                                                |
|---------------------------------------------------------------|------------|------------------------------------------------|
| <b>equipment</b>                                              |            | physical failure of equipment                  |
|                                                               | <b>1.2</b> | Identify and report missing parts              |
|                                                               | <b>1.3</b> | Record and report damaged equipment            |
| <b>2 Test digital forensic equipment</b>                      | <b>2.1</b> | Test equipment to ensure it is fit for purpose |
|                                                               | <b>2.2</b> | Record test results                            |
|                                                               | <b>2.3</b> | Report and record defective equipment          |
| <b>3 Clean, maintain and store digital forensic equipment</b> | <b>3.1</b> | Clean, maintain and assemble equipment         |
|                                                               | <b>3.2</b> | Update equipment record                        |
|                                                               | <b>3.3</b> | Recover and store equipment for future use     |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the DEF Defence Training Package Companion Volume Implementation Guide.

## Unit Mapping Information

This unit supersedes and is equivalent to DEFFOR001 Inspect, maintain and test electronic forensic equipment.

## Links

Companion Volume Implementation Guides are found on VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

# Assessment Requirements for DEFFOR020 Inspect, maintain and test digital forensic equipment

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## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- inspecting and testing equipment such as computer, recording, communications and organisational specialist equipment
- maintaining equipment, including power checks, software checks and cleaning
- storing equipment in accordance with manufacturer requirements.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- applicable record keeping in accordance with organisational policies and procedures
- manufacturer's requirements and organisational policies and procedures concerning the use, testing, cleaning and servicing of equipment
- work health and safety (WHS) policies relevant to the maintenance, servicing and testing of equipment.

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations

- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment (PPE) currently used in industry.

## **Links**

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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>