



Australian Government

DEFEXO070 Conduct technical explosive investigations

Release: 2

DEFEXO070 Conduct technical explosive investigations

Modification History

Release 2. Modifications made to Foundation Skills and Assessment Conditions.

Release 1. This unit was released in DEF Defence Training Package release 1.0 and meets the Standards for Training Packages.

This unit supersedes and is equivalent to DEFEO205C Conduct technical explosive ordnance investigations.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- PC 2.2, 3.2, 5.1 and 6.2 removed
- PC 4.2 & 4.3 merged
- PC 5.3 reworded
- Elements 1 & 2 merged

Application

This unit describes the skills required to conduct investigations and to prepare options and solutions in matters concerning the performance of explosives and/or their means of delivery. An investigation may be conducted into any explosive process/operation and may be undertaken at all levels within an organisation for both internal and external agencies.

Investigations may be initiated by the Terms of Reference and/or Instruments of Appointment. In the case of an explosive incident, the reporting of the incident is sufficient, with processes and procedures providing the direction for inquiry. Investigations may be either preliminary or technical in nature.

This unit applies to those required to conduct technical investigations and to prepare options and solutions in matters concerning the performance of explosive and/or their means of delivery.

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 and as part of a team, under direct and/or indirect supervision, use discretion and judgement, and take responsibility for the quality of their output. They would perform complex tasks in a broad range of contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

Explosive Ordnance

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Liaise with customer

PERFORMANCE CRITERIA

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

1.1 Identify customer requirements

1.2 Obtain methodology, coordination requirements and necessary authorisation to progress the investigation

1.3 Determine report requirements in terms of frequency, timing and format to meet customer needs

1.4 Establish investigation objectives

2 Select and implement procedures

2.1 Select and apply procedures that incorporate appropriate and feasible methods

2.2 Implement procedures to enable investigation objectives to be met within budget and time constraints

3 Examine the evidence

3.1 Identify, collect and preserve evidence as required

3.2 Consider legislative, statutory, regulatory and organisational requirements in the examination of evidence

4 Provide and evaluate findings

4.1 Evaluate findings against specified criteria

4.2 Provide recommendations to reduce risk of reoccurrence

5 Prepare and present investigation reports

5.1 Prepare investigation reports and present to customer

5.2 Provide evidence to inquiries/courts as required

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit supersedes and is equivalent to DEFEO205C Conduct technical explosive ordnance investigations.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for DEFEXO070 Conduct technical explosive investigations

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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 includes:

- conducting interviews
- conducting research
- liaising with customers

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 includes:

- operational knowledge of:
 - analytical and evaluation processes
 - characteristics, technical capabilities, effects, employment and limitations of explosive / weapons/weapon systems
 - investigative methodologies and processes
 - maintaining evidence
 - research methodologies

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
- acceptable means of simulation assessment
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and PPE currently used in industry.

Links

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