



Australian Government

DEFEXO141 Prepare firing points

Release: 3

DEFEXO141 Prepare firing points

Modification History

Release 3. Assessment Conditions clarified in relation to simulation being an assessment option.

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 DEFEO800A Prepare proof firing points.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- PC 1.3 and 3.3 removed
- Element 1 reworded

Application

This unit describes the skills required to prepare proof, trial and experimental firing points to support proof, experimental and trial testing of munitions and weapon systems. The practitioner is responsible for ensuring the available firing point technologies and equipment best meet the design outcomes of the required test.

This unit was developed for personnel who are firing point specialists working within proof, experimental and trials organisations or original equipment manufacturers, but is applicable to any individual in this field of work.

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 as part of a team under indirect supervision, use discretion and judgement, and take responsibility for the quality of their output. They would perform routine tasks in known 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.

PERFORMANCE CRITERIA

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

1 Prepare for proof, trial and experimental firing

- 1.1** Read and clarify proof, trial and experimental instructions
- 1.2** Identify and apply relevant range regulations
- 1.3** Identify and resource required stores and equipment and check for calibration, serviceability and safety
- 1.4** Liaise with relevant parties
- 1.5** Obtain agreement on firing point preparation in consultation with stakeholders

2 Establish firing point

- 2.1** Install equipment in accordance with the proof, trial and experimental instruction
- 2.2** Monitor installation of data acquisition equipment
- 2.3** Check safety traces against the set-up
- 2.4** Check functionality of equipment and record identification data, condition and calibration

3 Monitor firing point equipment

- 3.1** Monitor performance of equipment
- 3.2** Document performance of equipment

4 Recondition firing point

- 4.1** Undertake safety checks
- 4.2** Confirm and record equipment calibration
- 4.3** Record and report equipment condition
- 4.4** Recondition firing point

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 DEFEO800A Prepare proof firing points.

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 DEFEXO141 Prepare firing points

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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:

- analysing and evaluating information
- handling dangerous goods and hazardous substances
- preparing and installing the equipment necessary to prepare proof, trial and experimental firing points
- preparing and presenting simple reports
- using manual handling and team lifting techniques
- using PPE.

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:

- effect of small arms, other calibre and explosive fire/detonation
- explosive ordnance or weapon systems undergoing testing
- licensing requirements
- organisational guidelines and standards
- proof, trial and experimental tests involving explosive ordnance and weapon systems
- regulatory requirements.

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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