



Australian Government

DEFEXO014 Gauge explosives

Release: 3

DEFEXO014 Gauge explosives

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 DEFEO715C Gauge explosives ordnance.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- PC 1.2 removed

Application

This unit describes the skills required to gauge explosives and/or components for inspection, testing, maintenance or to determine serviceability. Gauging requires the ability to work safely within an explosives environment, to calculate and apply net explosive quantity, to assess and apply compatibility and to maintain documentation.

This unit applies to those required to gauge explosives and/or components to confirm compliance with established design parameters and/or other specifications, references or publications.

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/or as part of a team, under indirect supervision. They would use discretion and judgement and take responsibility for the quality of their outputs while performing specific 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.

PERFORMANCE CRITERIA

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

1 Prepare for gauging of explosives

1.1 Identify requirement for explosives gauging from work requests/instructions and confirm

1.2 Identify, acquire and prepare technical references, tools and equipment required for the gauging

1.3 Acquire, prepare, move and position explosives to be gauged

1.4 Identify, calculate, assess and apply net explosive quantities and compatibility throughout the operation

1.5 Monitor and maintain environmental conditions

2 Gauge explosives

2.1 Gauge explosives

2.2 Interpret emergency procedures and apply contingency plans

3 Finalise the gauging operation

3.1 Maintain equipment/tools

3.2 Maintain documentation and records

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 DEFEO715C Gauge explosives ordnance.

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 DEFEXO014 Gauge explosives

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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:

- applying environmental constraints
- applying manual handling and team lifting techniques
- conducting housekeeping
- ensuring compliance on completion of gauging task
- handling dangerous good and hazardous substances safely
- using PPE
- using tools and equipment
- working safely within an explosive ordnance environment.

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:

- operational knowledge of
 - characteristics and limitations of explosive ordnance to be gauged
 - effects of environmental conditions
 - explosive licence limits
 - functioning process of explosive ordnance
 - legislative and regulatory requirements
 - operations, characteristics and limitations of tools and equipment required for the gauging

of explosive ordnance

- organisational documentation requirements
- organisational safety policies and structures
- organisational safety 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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