



Australian Government

DEFEXO509 Perform purging

Release: 2

DEFEXO509 Perform purging

Modification History

Release 2. Modifications made to Assessment Conditions.

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

Application

This unit specifies the skills and knowledge required to purge explosive ordnance or containers.

It includes preparing for explosive ordnance testing, conducting and monitoring purging and finalising purging procedures.

This unit applies to persons who are required to purge explosive ordnance or containers.

Purging of explosive ordnance or containers is required to be performed on a range of explosive ordnance and specialised containers during maintenance processes.

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.

No licensing, legislative or certification requirements apply to this 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.

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|--------------------------------------|--|
| 1 Prepare for testing | <ul style="list-style-type: none">1.1 Identify and confirm purging requirements from work requests/instructions1.2 Apply relevant work health and safety (WHS) requirements, including those contained in organisational procedures, throughout the operation1.3 Identify, acquire and prepare technical references, tools and equipment required for the tests1.4 Identify, acquire, prepare, move and position explosive ordnance or containers in preparation for the task, in accordance with operational procedures1.5 Prepare purging equipment and set required flow and pressure specifications in accordance with operational procedures1.6 Identify, calculate, assess and apply net explosive quantities and compatibility throughout the operation in accordance with organisational procedures1.7 Monitor and maintain environmental conditions in accordance with organisational procedures |
| 2 Conduct and monitor purging | <ul style="list-style-type: none">2.1 Monitor purging process in accordance with organisational procedures2.2 Purge explosive ordnance or container in accordance with organisational policy and procedures2.3 Apply emergency response and contingency procedures, as required |
| 3 Finalise purging procedures | <ul style="list-style-type: none">3.1 Process explosive ordnance or containers in accordance with tasking requirements3.2 Maintain equipment/tools in accordance with organisational procedures3.3 Maintain documentation and records in accordance with statutory, organisational and workshop requirements |

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 replaces and is equivalent to DEFEO509D Perform purging.

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 DEFEXO509 Perform purging

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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 relevant compatibility and environmental constraints
- applying relevant legislation, statutory requirements, organisational policies, procedures and structures
- calculating and applying net explosive quantity
- communicating effectively orally and in writing
- preparing for testing
- reading, accessing, interpreting and applying technical instructions and drawings related to purging
- undertaking purging activities including:
 - conducting and monitoring purging
 - finalising purging procedures
 - maintaining documentation
 - monitoring pressures
 - operating purging equipment

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:

- assessment of compatibility
- calculation of net explosive quantity
- characteristics and limitations of purging equipment
- effects of environmental conditions
- operability and compatibility of purging equipment
- organisational documentation requirements
- organisational safety information sources
- relevant legislation, regulatory codes, organisational safety policies, procedures and structures

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.

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