



Australian Government

DEFRNG039 Site range complexes

Release: 1

DEFRNG039 Site range complexes

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 site range complexes as a member of a Range Siting Board. It includes the processes of siting individual ranges or a group of ranges as part of a range complex ensuring the efficient utilisation of land and the safety requirements related to the use of weapons and ammunition.

This unit was developed for Defence personnel who work in range management and range control but may be relevant to others who work in this field.

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 range of familiar contexts. They would 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

Range Control.

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Prepare to site range complexes

1.1 Confirm appointment to the Range Siting Board

1.2 Identify and research range user requirement

1.3 Identify and acquire resources required for the Range Siting Board

1.4 Establish and maintain contact with other board members

2 Site range complexes

2.1 Develop options to meet the user requirement in accordance with Range Siting Board requirements

2.2 Undertake reconnaissance of proposed and alternate range site in accordance with Range Siting Board requirements

2.3 Assess proposed and alternate sites

2.4 Provide technical advice to guide Range Siting Board members in their considerations

2.5 Select the best option in consultation with Range Siting Board members

3 Finalise Range Siting Board reports

3.1 Produce range development and works proposals in accordance with the Range Siting Board terms of reference

3.2 Adjust and finalise proposed range templates and traces

3.3 Contribute to final report in accordance with Range Siting Board requirements

3.4 Finalise range inspector's report and submit to Range Siting Board

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 replaces and is equivalent to DEFRNG011 Site range complexes.

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 DEFRNG039 Site range complexes

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Performance Evidence

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

- applying environmental issues relevant to ranges
- applying organisational policies and procedures
- completing board and range inspector's report according to organisational policy and procedures
- exercising judgement in relation to range safety
- interpreting and applying range safety requirements
- interpreting range specifications and construction requirements
- interpreting range user requirements
- interpreting weapon and ammunition specifications and effects
- maintaining records according to organisational policies and procedures
- using liaison techniques.

Knowledge Evidence

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

- application of ammunition danger area traces and templates
- composition of teams, and roles and responsibilities of team members
- environmental issues relevant to ranges
- geographical information systems
- map reading and navigation techniques
- organisational policies and procedures
- planning processes
- range safety requirements
- range specifications and construction
- reporting requirements
- teamwork and collaboration processes
- techniques for supporting others/team members
- weapon and ammunition specifications and effects
- working of range sitting board

- works proposal processes.

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 it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate 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 legislation, regulations, codes of practice, workplace procedures and operation manuals
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry.

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