



Australian Government

Assessment Requirements for DEFINT015

Locate electromagnetic emissions

Release: 1

Assessment Requirements for DEFINT015 Locate electromagnetic emissions

Modification History

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

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 organisational policies, procedures and protocols
- applying safety, legislative and statutory requirements relevant to the risk assessment
- communicating effectively within the workplace
- converting a magnetic line of bearing to a grid line of bearing for triangulation compilation
- following instructions, protocols and directives
- identifying, interpreting and analysing risk assessment requirements relevant to work being performed
- listening effectively
- locating and intercepting emission
- reporting information appropriate to the situation
- triangulating the location of the isolated electromagnetic emission within a specified and acceptable margin of error
- using specialist sensor equipment.
- using organisational systems and equipment to conduct direction finding.

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:

- calculations to convert a magnetic line of bearing to a grid line of bearing for triangulation compilation
- communication network systems and architecture
- compliance principles
- direction finding and geolocation principles and procedures
- direction finding systems and equipment
- electromagnetic spectrum
- international time zones and date lines
- magnetic to grid conversion
- manufacturer specifications for relevant locating electromagnetic emissions equipment

- radio frequency propagation
- relevant direction finding task plan
- relevant legislation and organisational policies and procedures including:
 - telecommunications legislation
 - privacy legislation and protocols
- relevant reporting procedures and formats
- triangulation mathematical equations.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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 other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including organisational guidelines, protocols, procedures, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

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