



Australian Government

DEFINT018 Collect radio frequency emissions

Release: 1

DEFINT018 Collect radio frequency emissions

Modification History

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 collect radio frequency emissions.

It includes the actions to search for, intercept (clandestinely or overtly) and report targeted radio frequency emissions.

It also includes preparing and operating collection equipment to search the electromagnetic spectrum and to collect target emissions.

This unit applies to Defence personnel working in electronic warfare and signals intelligence fields but may be applicable to any persons working in a similar role.

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.

Typically, persons undertaking this unit work independently with indirect supervision, and perform complex tasks in unfamiliar contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Intelligence

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.

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|--|---|
| 1 Prepare for collection activities | 1.1 Develop a collection plan, detailing key tasks and timelines in accordance with organisational procedures |
| | 1.2 Prepare collection equipment considering the task requirements and duration |
| | 1.3 Receive and clarify tasks and orders, as required |
| | 1.4 Undertake engagement with all identified stakeholders in accordance with task requirements |
| 2 Search for radio frequency emission | 2.1 Operate radio collection equipment in accordance with manufacturer specifications and organisational procedures |
| | 2.2 Apply search methodologies to meet task requirements |
| | 2.3 Search frequency spectrum for target activity in accordance with collection plan |
| | 2.4 Identify relevant legal requirements and apply to radio frequency emission collection activities |
| 3 Intercept target emission | 3.1 Intercept target radio emissions in accordance with collection plan |
| | 3.2 Complete target identity assessment by examining emission characteristics in accordance with organisational guidelines and protocols |
| | 3.3 Record target radio emission in accordance with organisational procedures |
| | 3.4 Review relevant radio emission recording/s in accordance with collection plan |
| 4 Report intercept | 4.1 Report intercept to relevant personnel in accordance with collection plan |
| | 4.2 Record and report intercept assessments to meet task 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 DEFINT018 Collect radio frequency emissions.

Links

Companion Volume implementation guides are found in VETNet -

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