



Australian Government

DEFIN016 Log target communications

Release: 1

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Modification History

Release	TP Version	Comments
2	DEF12V2	New unit.
1	DEF12V1	Primary release.

Unit Descriptor

This unit covers the competency required to record the details of intercepted target communications.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication. In a Defence context, this means that there is no civilian need to hold this unit in order to meet licensing, legislative, regulatory or certification requirements.

Application of the Unit

This unit was designed for Defence personnel working within the electronic warfare and signals intelligence fields but may be applicable to any individual employed within a similar role.

Typically individuals perform this activity independently with indirect supervision. The application of this unit in the workplace involves the process following the interception of a target signal of interest, where details of the intercepted material are recorded in accordance with standard procedures and legislative requirements.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Log intercepted communications	<p>1.1 <i>Intercept details</i> are <i>logged</i> or <i>gisted</i> in accordance with <i>standard procedures</i>.</p> <p>1.2 Information of situational value contained within intercept is identified and flagged.</p> <p>1.3 <i>Organisational abbreviations</i> are used for brevity in accordance with standard procedures.</p> <p>1.4 Appropriate actions are taken to identify and remedy, or report problems encountered during the logging process in accordance with standard procedures.</p> <p>1.5 Security of information is maintained in accordance with standard procedures.</p> <p>1.6 <i>Legal requirements</i> for intercept activities are identified and applied during the logging process.</p>
2. Report items of interest	<p>2.1 Situational analysis of information is conducted, annotated and reported where necessary.</p> <p>2.2 Flagged information is prioritised in accordance with standard procedures.</p> <p>2.3 Flagged information is <i>reported to relevant personnel</i> in accordance with organisational procedures.</p>

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- listen effectively
- communicate effectively within the workplace
- follow instructions and directives
- report information appropriate to the situation
- assess the situational value of information
- use organisational systems and equipment to conduct direction finding
- triangulate lines of bearing

Required Knowledge

- antenna theory
- communication networks systems and architecture

- electromagnetic spectrum
- radio frequency propagation
- international time zones and date lines
- organisational guidelines and procedures
- direction finding systems and equipment
- direction finding and geolocation principles
- direction finding procedures
- compliance principles
- telecommunications legislation
- privacy legislation
- reporting procedures and formats
- magnetic to grid conversion
- triangulation mathematical equations

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:

- the underpinning knowledge and skills
- relevant legislation and workplace procedures
- other relevant aspects of the range statement
- identify information of value contained within an intercepted communication
- prioritise and report identified information of value to appropriate personnel

Consistency in performance

Competency should be demonstrated during a range of logging activities conducted over time utilising current specialist sensor equipment and procedures to ensure the candidate is assessed across a variety of relevant workplace situations, collection systems, and target communications environments.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the workplace or in a simulated workplace environment.

Specific resources for assessment

Access is required to:

- workplace collection systems
- organisational guidelines and procedures

Range Statement

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

<i>Intercept details</i> may include:	<ul style="list-style-type: none"> • location of emitter • mode of transmission • modulation type • target type/ID • transmission text (data/voice) • transmitting frequency • transmitting frequency band
<i>Logged</i> may include:	<ul style="list-style-type: none"> • audio recording • computer generated data • digital imaging • hand written notes • video recording • logged transcript
<i>Gist</i>	<ul style="list-style-type: none"> • a form of summarising that captures the essence of the intercept without taking the same amount of time as a verbatim transcription
<i>Standard procedures</i> may include:	<ul style="list-style-type: none"> • Australian Standards • Defence Instructions • doctrinal pamphlets • job guides, other publications • manufacturers' handbooks, industry specifications and technical instructions • workplace health and safety regulations • organisational policies and procedures • procedure manuals • relevant local government by laws • relevant state/territory or federal legislation • Routine Orders • Standing Operating Procedures • Standing Orders • written and verbal orders
<i>Organisational abbreviations</i> may include:	<ul style="list-style-type: none"> • approved organisational abbreviations for place names, common words and phrases, and acronyms • organisational/international pro-signs • organisational specific codes • internationally recognised abbreviations • shorthand

<i>Legal requirements</i> may include:	<ul style="list-style-type: none">• international law• privacy legislation• telecommunications legislation
<i>Report</i> may include:	<ul style="list-style-type: none">• briefing• email• formal message (transmitted by data or voice)• formatted report• verbal (in person, radio, phone)
<i>Relevant personnel</i> may include:	<ul style="list-style-type: none">• colleagues• customers• operators• supervisors or line managers• users

Unit Sector(s)

Not applicable.