



**Australian Government**

# **DEFMIL086 Supervise engineering operations**

**Release: 1**

## DEFMIL086 Supervise engineering operations

### Modification History

| Release | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | <p>This unit was released in DEF Defence Training Package release 1.0 and meets the Standards for Training Packages.</p> <p>This unit supersedes and is equivalent to DEFCA315B Supervise engineering operations.</p> <ul style="list-style-type: none"><li>• Unit code updated</li><li>• Content and formatting updated to comply with the new standards</li><li>• All PC transitioned from passive to active voice</li><li>• PC 1.6 and 2.3 removed</li></ul> |

### Application

This unit describes the skills required to command, lead and manage an engineering organisation of up to thirty personnel on operations. Command is the authority a commander in the military service lawfully exercises over subordinates by virtue of rank or assignment.

It includes the skills and knowledge required to lead and manage under extreme conditions in a high risk environment. It therefore requires individuals to be incisive in a fluid and demanding environment, to act independently, and to lead by example.

This unit applies to land engineering personnel required to deploy in an operational environment.

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 and lead a team under direct and/or indirect supervision. They use discretion and judgement, and take responsibility for the quality of their outputs. They would perform routine tasks in a broad range of unpredictable contexts.

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

### Competency Field

Military Skills

## Elements and Performance Criteria

| ELEMENTS                                              | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes              | Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.                                                                                                                                                                                                                                                                                          |
| <b>1. Prepare and plan for engineering operations</b> | 1.1 Confirm and maintain competence of subordinates.<br>1.2 Maintain personnel administration.<br>1.3 Receive and clarify orders to determine commander's intent.<br>1.4 Determine and manage constraints and risks relevant to the task.<br>1.5 Assemble appropriate resources for the task and report any shortfalls that limit capability to the chain of command.<br>1.6 Make planning decisions based on a logical process to solve operational problems.<br>1.7 Conduct battle procedures. |
| <b>2. Conduct engineering operations</b>              | 2.1 Prepare and deliver orders.<br>2.2 Direct and supervise subordinates.<br>2.3 Organise and direct support from outside agencies.                                                                                                                                                                                                                                                                                                                                                              |
| <b>3. Finalise engineering operations</b>             | 3.1 Conduct debriefs.<br>3.2 Conduct post activity analysis and make recommendations.<br>3.3 Recondition, replace or return equipment, stores and ammunition.<br>3.4 Complete documentation.<br>3.5 Monitor subordinates' health and wellbeing and take appropriate action.                                                                                                                                                                                                                      |

## Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

|          |   |   |   |   |            |   |   |   |   |         |   |   |   |   |                    |   |   |   |   |             |   |   |   |   |
|----------|---|---|---|---|------------|---|---|---|---|---------|---|---|---|---|--------------------|---|---|---|---|-------------|---|---|---|---|
| 1        | 2 | 3 | 4 | 5 | 1          | 2 | 3 | 4 | 5 | 1       | 2 | 3 | 4 | 5 | 1                  | 2 | 3 | 4 | 5 | 1           | 2 | 3 | 4 | 5 |
| Learning |   |   |   |   | Reading NA |   |   |   |   | Writing |   |   |   |   | Oral communication |   |   |   |   | Numeracy NA |   |   |   |   |

Performance variables

|         |   |   |   |   |         |   |   |   |   |                 |   |   |   |   |                 |   |   |   |   |
|---------|---|---|---|---|---------|---|---|---|---|-----------------|---|---|---|---|-----------------|---|---|---|---|
| 1       | 2 | 3 | 4 | 5 | 1       | 2 | 3 | 4 | 5 | 1               | 2 | 3 | 4 | 5 | 1               | 2 | 3 | 4 | 5 |
| Support |   |   |   |   | Context |   |   |   |   | Text complexity |   |   |   |   | Task complexity |   |   |   |   |

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

## Unit Mapping Information

This unit supersedes and is equivalent to DEFCA315B Supervise engineering operations.

## Links

Companion Volume implementation guides are found in VETNet -

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

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