



**Australian Government**

**AVIB0003 Inspect and report on  
serviceability of aerodrome lighting systems**

**Release: 1**

# **AVIB0003 Inspect and report on serviceability of aerodrome lighting systems**

## **Modification History**

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

## **Application**

This unit involves the skills and knowledge required to inspect and report on serviceability of aerodrome lighting systems in compliance with relevant regulatory requirements and national standards.

It includes inspecting and reporting faults in aerodrome lighting, making identified unserviceable condition/s safe, and confirming and reporting the return of aerodrome lighting to serviceable condition.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aerodrome operations duties of ground operational personnel and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited supervision as a single operator or within a team environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

## **Pre-requisite Unit**

Not applicable.

## **Competency Field**

B – Equipment Checking and Maintenance

## **Unit Sector**

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

#### **1 Inspect aerodrome lighting serviceability**

- 1.1** Access to aerodrome is arranged with appropriate authorities
- 1.2** Lighting systems are prepared for serviceability inspection
- 1.3** Lighting systems are inspected for serviceability, and faults or hazardous situations that may affect aircraft safety are identified
- 1.4** Hazardous situation created by faulty lighting system/s is rectified or made safe, as required, in accordance with workplace procedures and regulatory requirements

#### **2 Report faults in aerodrome lighting**

- 2.1** Requirement for official notification of lighting faults is assessed
- 2.2** Suitably qualified aerodrome staff or electrical contractors are contacted for repairs as required
- 2.3** Relevant authorities or organisations are notified of damage to aerodrome lighting, switching mechanisms and circuits in accordance with workplace procedures and regulatory requirements

#### **3 Make unserviceable conditions safe**

- 3.1** Faulty lights are replaced or repaired in accordance with workplace procedures and regulatory requirements with minimal disruption to aircraft movements
- 3.2** Relevant authorities or organisations are notified of works that may disrupt aerodrome operations in accordance with workplace procedures and regulatory requirements
- 3.3** Temporary lighting is installed as required

#### **4 Report return of aerodrome lighting to serviceable condition**

- 4.1** Restored aerodrome lighting systems are inspected and confirmed for serviceability
- 4.2** Temporary lighting is removed
- 4.3** Relevant authorities or organisations are notified of

restoration of lighting serviceability in accordance with workplace procedures and regulatory 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.

## **Unit Mapping Information**

This unit replaces and is equivalent to AVIB3006 Inspect and report on serviceability of aerodrome lighting systems.

## **Links**

AVI Training Package Companion Volume Implementation Guide available on VET Net: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>