



**Australian Government**

**AVIF0018 Manage risks with unmanned  
aerial systems (UAS) beyond visual line of  
sight (BVLOS)**

**Release: 1**

# **AVIF0018 Manage risks with unmanned aerial systems (UAS) beyond visual line of sight (BVLOS)**

## **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 manage aviation risk with unmanned aerial systems (UAS) beyond visual line of sight (BVLOS) in compliance with relevant regulatory requirements and national operating standards.

It includes establishing the risk management context, planning for risk management, managing risk and evaluating the risk management plan. Work involves managing the effects of uncertainty on objectives using a safety management system (SMS) within a variety of BVLOS remote piloted aircraft systems operational contexts within the Australian aviation industry.

This unit addresses aviation non-technical skill requirements (mental, social and personal-management abilities) related to safety management duties that complement the technical skills of aviation personnel and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of 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**

F – Safety Management

## **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 Establish risk management context in BVLOS operation**

- 1.1** Nature and extent of aviation operational activity, its objectives and outcomes are established within the organisational context
- 1.2** Strategic and risk management context are identified in accordance with organisational requirements
- 1.3** Stakeholders are identified and consulted to ensure their views, concerns and needs are taken into account in the risk management process
- 1.4** Criteria for assessing aviation risk are determined in accordance with workplace standards
- 1.5** Risk management criteria is determined to provide guidance on balancing risk, costs, benefits and opportunities
- 1.6** Risk management criteria are monitored, reviewed and adjusted to ensure opportunities, and current and emerging trends are reflected

#### **2 Plan for risk management in BVLOS**

- 2.1** Sources of risks are identified and consulted to ensure full coverage
- 2.2** Risks are assessed and documented in consultation with stakeholders, and risk level thresholds are established
- 2.3** Risk controls are considered/modified and selected for acceptability
- 2.4** Risk management plan and evaluation methodology are developed and communicated to stakeholders

#### **3 Monitor and evaluate aviation risk in BVLOS**

- 3.1** Aviation risk management plan is implemented and monitored in accordance with workplace standards
- 3.2** Internal and external risks to outcomes are monitored and remedial actions are identified, as required, and initiated
- 3.3** Risk management plans are reviewed routinely, on occurrence of events of significant importance to the

organisation and when required by regulatory practice

- 3.4 Stakeholder feedback is obtained and considered in evaluation activity
- 3.5 Recommendations for enhancing risk management plan are formulated and implemented
- 3.6 Outcomes of evaluation are effectively communicated to stakeholders

## 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

No equivalent unit.

## 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>