



Australian Government

AVIY0024 Operate remote pilot airship

Release: 1

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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 operate and manage remote pilot airships in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes operating and managing the airship during normal flight and during abnormal and emergency procedures.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to equipment and system operations of flight or ground operations 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 within a single- pilot or multi-crew remote pilot airship environment.

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

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

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.

1 Operate and manage remote pilot airship during normal flight

- 1.1 Airship is prepared for flight according to organisation and manufacturer procedures
- 1.2 Airship is released from mooring under the control of the remote pilot in preparation for flight
- 1.3 Airship weight and balanced is assessed and adjusted as required for flight
- 1.4 Remote pilot airship sub-systems and devices are operated to achieve operational requirements
- 1.5 Remote pilot airship, sub-systems and devices are monitored using a systematic scan technique
- 1.6 Remote pilot airship and flight environment information is analysed to identify actual and potential threats or errors
- 1.7 Airship hull is managed for pressure and the effects of temperature and environment
- 1.8 Remote pilot airship automation is utilised to manage control station workload
- 1.9 Checklist procedures are implemented during normal Remote pilot airship operations

2 Manage remote pilot airship during abnormal and emergency procedures

- 2.1 Abnormal or emergency situations are identified, diagnosed and communicated
- 2.2 Remote pilot airship control is maintained at all times
- 2.3 Remote pilot airship abnormal or emergency checklist procedures are implemented to maintain safety of flight
- 2.4 Course of action is decided, implemented, evaluated and revised to achieve safest outcomes
- 2.5 Location and operation of emergency systems applicable to remote pilot airship are explained
- 2.6 Airship is tethered at the end of flight according to organisational procedures

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>