AVIW0004 Perform operational inspections on remote operated systems

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 perform operational inspections on remote operated systems in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes completing operational inspection administration, operational inspections, and performing and recording operational inspections.

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

Remote system operations are conducted as part of recreational, commercial and military activities across a variety of operational contexts within Australian industry.

Work is performed independently or under limited supervision within a single-pilot or multi-crew remote operated system 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 outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare charts and operational plan	1.1 Suitable maps, charts and weather briefings for intended remote operation are selected and operations plan and geofencing set if required is prepared
	1.2 Pre-operational information and Notice to Airmen (NOTAM), or industry equivalent, is accessed, analysed and applied to operational plan
	1.3 Hazards are clearly indicated on charts and risk controls are implemented
	1.4 Effects of wind velocity, adverse environmental conditions and contingency actions are planned for
	1.5 Lost link profile and routing is prepared and validated
	1.6 Awareness of current and forecast weather conditions is maintained
2 Complete operational inspection administration	2.1 Information about remote operated system is obtained, read and used to guide work as required
	2.2 Pre- and post-operational planning and documentation is completed
	2.3 Remote system operating weight and configuration is confirmed
	2.4 Pre- and post-operation technical release and remote system operation administration documentation is completed
	2.5 System serviceability is determined by approved technical inspection
	2.6 Certification of inspection for technical release is completed
3 Perform operational actions/inspection	3.1 Equipment and documentation are identified and accessible in accordance with regulatory requirements
	3.2 Internal and external checks are completed in accordance with approved system checklist
	3.3 Deployment administration tasks and communications

		are conducted
	3.4	Remote operated system is secured in accordance with manufacturer specifications and organisational procedures
4 Perform and record operational inspection	**4.1**	Pre-operating inspection of remote operated system and ancillary equipment is performed in accordance with original equipment manufacturer (OEM) documentation and operations manual
	4.2	Appropriate actions are undertaken to rectify discrepancies and are recorded
	4.3	Pre-operating inspection is recorded in accordance with operations manual

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 not equivalent to AVIW3037 - Manage remote pilot aircraft systems pre- and post-flight actions

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

Australian Industry Standards