Australian Government

AVIW0035 Manage multi-crew operations

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 aircraft systems (RPAS) in a multi-crew operation in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes establishing remote pilot aircraft command, manage tasks and workload communicating organisational objectives and required standards, making effective decisions and leading flight teams and individuals.

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 RPAS 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 Establish remote pilot aircraft command	1.1 Command responsibilities are exercised in accordance with organisational authority and guidelines
	1.2 Command structure is established appropriate to aircraft
	1.3 Command structure is communicated to flight team and external authorities
	1.4 Communication mechanisms and procedures are implemented between levels of command in accordance with organisational procedures
	1.5 Liaison is established and maintained between remote pilot in command (RPIC), flight team and other relevant stakeholders to meet control and command requirements
2 Manage tasks and workload	2.1 Workload of flight team members is planned taking into account time and resource constraints
	2.2 Flight team is assigned workload priorities and performance expectations are communicated clearly
	2.3 Workload of flight team is coordinated in accordance with agreed operational objectives and task timelines
	2.4 Performance of flight team and individuals is systematically monitored against defined measurable performance criteria to ensure satisfactory completion of assigned tasks and workloads
	2.5 Potential and current issues and problems arising in relation to task and workload management are identified and acted on in accordance with regulatory and organisational requirements
3 Communicate organisational objectives and required standards	3.1 Flight team members are provided with up-to-date information concerning organisational objectives and standards
	3.2 Flight team member understanding of objectives and standards is confirmed
	3.3 Organisational standards and values are modelled and promoted to flight team members
4 Make effective decisions	4.1 Relevant, current and sufficient information is gathered

	to assess and analyse situation for decision making
4.2	Problem-solving strategies and techniques are used to identify and generate options
4.3	Decisions are made, communicated to flight team and implemented in a timely manner in accordance with regulatory requirements and workplace procedures
4.4	Decisions and actions are evaluated for their effectiveness and outcomes
4.5	Decisions, their rationale, and associated actions are documented and reported in accordance with regulatory requirements and workplace procedures
5 Lead flight teams and individuals	**5.1** Link between function of flight team and organisational goals is clarified as required and communicated to flight team
	5.2 Participative decision making is used to develop, implement and review work of flight team and to allocate responsibilities
	5.3 Opportunities are given to flight team members and individuals to provide feedback about efficient work practices and processes
	5.4 Flight team members and individuals are encouraged to provide feedback about efficient work practices
	5.5 Appropriate delegation is made to flight team and individuals in accordance with relevant flight team objectives and goals, and organisational policy and 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

This unit supersedes and is equivalent to AVIW0002 Manage multi-crew operations in beyond visual line of sight (BVLOS) operations

Links

Companion Volume Implementation Guides are found in VETNet' - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816