Australian Government

AVIY0012 Monitor flight performance

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 monitor flight performance, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and international aviation operating standards.

It includes maintaining a flight watch, maintaining aviation communication and data links, managing routine and emergency airborne situations, and identifying and assessing aviation ground resources.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight dispatch and flight operations support 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.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable.

Competency Field

Y – Aircraft Operations and Traffic 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 Maintain a flight watch	1.1 Aircraft fuel requirements for flight completion are continuously monitored and re-calculated as required
	1.2 Fuel remaining until exhaustion is continuously monitored and re-calculated as required
	1.3 En route meteorological conditions at altitude and adjacent altitudes are monitored and advised to flight crew as required
	1.4 Estimated time of arrival (ETA) for position fixes and destination is updated based on fuel requirements, aircraft performance, prevailing meteorological conditions and flight crew advice
	1.5 Departure, position reports and arrival information is monitored, maintained and updated within relevant operational flight logs
	1.6 Effects on ETA at destination, including passenger connections and curfews, is evaluated when implementing contingency plans
	1.7 Fatigue management policies and procedures are applied to crew endurance when implementing contingency plans
2 Maintain aviation communication and data links	2.1 Voice and data communication links with air traffic services are monitored and maintained throughout flight support activities using a range of appropriate transmitting and receiving methods and protocols
	2.2 Voice and data communication links with operating aircraft are monitored and maintained throughout flight support activities using a range of appropriate transmitting and receiving methods and protocols
	2.3 Voice and data communication links with emergency response agencies are monitored and maintained throughout flight support activities using a range of appropriate transmitting and receiving methods and protocols
	2.4 Authorised aviation radio telephony procedures are used during all voice communications with air traffic services,

		operating aircraft and emergency response agencies
	2.5	Aircraft position information and reports are routinely monitored and updated using aircraft voice and data communication links within flight support monitoring systems
	2.6	Aircraft communication links are continuously monitored and appropriate voice and data communication failure response plans are implemented
3 Manage routine airborne situations	3.1	Aircraft performance, including the limitations imposed by minimum equipment list (MEL) restrictions, is continuously monitored
	3.2	Effects of air traffic service reroutes are identified and appropriate courses of action are developed
	3.3	Unanticipated severe weather penetration effects are evaluated against flight plan and amendments are advised to flight crew
	3.4	High terrain transit performance calculations and effects on flight performance are advised to flight crew
	3.5	Effects of identified moderate or severe icing conditions not known to air traffic services are evaluated
	3.6	Flight crew are advised of changes to planned flight conditions and are updated about relevant operational information to maintain flight performance and aircraft safety
4 Manage emergency airborne situations	4.1	Overdue position reports are responded to in accordance with regulatory and workplace requirements
	4.2	Overdue at destination response actions are implemented in accordance with regulatory and workplace requirements
	4.3	Contingency plans for aircraft fuel exhaustion are implemented and coordination with air traffic services and emergency response agencies is maintained
	4.4	Aircraft in-flight fires are responded to in accordance with regulatory and workplace requirements
	4.5	Loss of aircraft engine/s is responded to in accordance with regulatory and workplace requirements
	4.6	Unlawful interference with aviation and aircraft flight safety

		is identified and managed in accordance with regulatory and workplace requirements
	4.7	Incapacitation of flight crew member/s is identified and contingency actions are advised to maintain flight performance and aircraft safety
	4.8	Ditching and emergency landing procedures are implemented during aircraft emergency situations
	4.9	Coordination and liaison with search and rescue (SAR) agencies is maintained during aircraft emergency situations
5 Identify and assess aviation ground resources	5.1	Aircraft maintenance support requirements are identified and assessed for routine and emergency situations
	5.2	Performance engineering requirements are identified and assessed for routine and emergency situations
	5.3	Aviation medical support requirements are identified and assessed for routine and emergency situations
	5.4	Aviation security and law enforcement support requirements are identified and assessed for routine and emergency situations
	5.5	Operating aerodrome capabilities and support requirements are identified and assessed for routine and emergency situations
	5.6	Aviation ground support requirements are identified and assessed for routine and emergency situations
	5.7	Passenger service and support requirements are identified and assessed for routine and emergency situations
	5.8	Meteorological conditions and effects are identified and assessed for routine and emergency situations

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

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