AVIY0041 Apply the principles of civil air law to aviation 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 apply the principles of civil air law to aviation operations in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes compiling aviation documentation, applying flight crew licensing requirements, and applying flight rules and conditions of flight to aviation operations. It also includes applying air service operations legislative requirements, aerodrome and airspace knowledge, and aviation emergency and search and rescue (SAR) knowledge to aviation operations.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew and contributes to safe and effective performance in complex aviation operational environments.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment.

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

Pre-requisite Unit

Not applicable.

Competency Field

Y – Aircraft Operation and Traffic Management

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA

Australian Industry Standards

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Compile aviation documentation	**1.1** Flight time recording requirements are accurately transcribed and compiled within authorised flight documents and flight record systems
	1.2 Aviation legislation, aeronautical information and general operating rules are confirmed and applied to aviation operations
	1.3 Aircraft maintenance release requirements and documentation compliance requirements are clarified
2 Apply flight crew licensing knowledge	**2.1** Knowledge of flight crew licence limitations and privileges is applied
	2.2 Flight crew licence medical standards and limitations are confirmed and applied to aviation operations
	2.3 Licence holder privileges relating to daily maintenance inspections, maintenance release documentation and defect reporting are complied with
3 Apply flight rules and conditions of flight	**3.1** Rules of the air are applied to aviation operations
	3.2 Aerodrome operating requirements are applied
	3.3 Separation minima at non-controlled aerodromes is applied
	3.4 Smoking restrictions during take-off, landing and refuelling operations are complied with
	3.5 Carriage and discharge of firearms requirements are applied
	3.6 Visual flight rules (VFR) and visual meteorology conditions are applied to aviation operations below 10,000 feet (ft)
	3.7 Altimetry procedures for flight below 10,000 ft are applied to aviation operations
	3.8 Drugs and alcohol usage rules, including temporary medical unfitness for flight, are complied with
	3.9 Aircraft lighting configuration and operating

requirements are followed

	3.10	Minimum operating heights for flights over populated and other areas are applied
	3.11	Flight operating limitations for acrobatic flights and flights over public gatherings are complied with
	3.12	Flight operating requirements for take-off and landing during daylight hours are applied
4 **Apply air service operations legislative requirements**	**4.1**	Passenger carriage legislative requirements are extracted from authorised references
	4.2	Cargo, floatation and survival equipment, dangerous goods and miscellaneous cargo carriage requirements are applied
	4.3	Legislative responsibilities and requirements of the pilot in command (PIC) are identified
	4.4	Legislative requirements of flight crew before and after flight duties are applied
5 **Apply aerodrome and airspace knowledge**	**5.1**	Aerodrome movement areas, landing areas, helicopter landing site (HLS) and markings are identified
	5.2	Aerodrome operating procedures are applied to circuit operations
	5.3	Aerodrome meteorological minima is applied
	5.4	Classes of controlled and uncontrolled airspace are complied with
	5.5	Prohibited, restricted and danger (PRD) area flight operating conditions are applied
	5.6	Flight information and air traffic service area boundaries and limitations are identified and applied to aviation operations
	5.7	Altimetry datum and appropriate reference heights are calculated and applied to aviation operations
	5.8	Airspace documentation is identified and prescribed airspace requirements followed
	5.9	Air Defence Identification Zone (ADIZ) operating

			requirements, pilot interception actions and vested powers of the PIC are explained
6	Apply aviation emergency and search and rescue (SAR) knowledge	6.1	Radio equipment testing and listening watch requirements are applied
		6.2	Aircraft navigation and landing light usage during emergency procedures is explained and applied
		6.3	Emergency incident and accident definitions and reporting requirements are outlined
		6.4	Mercy flight conditions and restrictions are outlined
		6.5	Flight incident and accident notification responsibilities of the PIC are identified
		6.6	Search and rescue time (SARTIME) is determined and applied to aviation operations
		6.7	Emergency procedure documents are identified and utilised during emergency and SAR operations

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 equivalent to AVIY0009 Apply the principles of civil air law to aviation operations.

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