

Syllabus Report (SYL)

CorePass® Aircraft Safety



7027:2024

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IQF Level	3	IQF Credit	2
Approved References			
Special Notes	This is not intended as an aircrew certification and does not require actual aircraft to be physically used. Those seeking practical requirements should refer to CorePass® standard 7032:2024 that conforms to NFPA1006 Helicopter Rescue Awareness.		

Recall key terms and features for working safely around aircraft 702724D01

Performance	Recall key terms and features for working safely around aircraft
Standards	In accordance with approved references and organizational doctrine.
Conditions	
Comments	Range: rotary wing, fixed wing, pilot, crewman, landing site, skids, pitot tube, controls, emergency locator beacon, foreign object debris, night vision goggles, winch, long line (sling load), propeller.

Identify aircraft types, specifications and purpose. 702724D02

Performance	Identify aircraft types used for public safety and describe their purpose.
Standards	In accordance with approved references and organizational doctrine.
Conditions	
Comments	Range: Must include range of fixed wing and rotary wing aircraft covering firefighting, search and rescue, medical evacuation and law enforcement. Should be able to explain weight restrictions on aircraft (e.g. may be at max. weight even with empty seats).

Identify elements of a pre-flight safety briefing 702724D03

Performance	Identify elements of a pre-flight safety briefing for passengers being carried for a public safety task.
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.
Conditions	
Comments	Range: Must include awareness of exemptions to pre-flight safety briefings (i.e. already trained crew etc).

Identify hazards working with aircraft for a public safety task. 702724D04

Performance	Identify hazards working with aircraft for a public safety task in sequential flow.
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.
Conditions	Given typical fixed wing aircraft and rotary aircraft examples.
Comments	Range: Must include approaching, entering, security, sterile cockpit, inflight, disembarkation and leaving area. Candidate should be able to stress hazards of each type (rotary and fixed wing) i.e. propellers, rotor strike, down draft, prop wash.

Describe passenger and cargo loading and unloading procedures for aircraft.		702724D05
Performance	Describe passenger and cargo loading and unloading procedures for aircraft.	
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.	
Conditions	Given typical fixed wing aircraft and rotary aircraft examples.	
Comments	Must include: awareness of weight and balance, preparing tools, role of loadmaster, manifest, patient considerations, disclosure of dangerous goods, preparing sling loads (rotary wing).	
Identify dangerous goods within an aviation transport context.		702724D07
Performance	Identify dangerous goods within an aviation transport context.	
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.	
Conditions		
Comments		
Identify aircraft safety incident reporting procedures.		702724D07
Performance	Identify aircraft safety incident reporting procedures.	
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.	
Conditions		
Comments	Must include but not limited to how to contact civil aviation regulator.	
Identify requirements and preparation for aircraft temporary landing sites.		702724D08
Performance	Identify requirements and preparation for aircraft temporary landing sites.	
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.	
Conditions	Given typical fixed wing aircraft and rotary aircraft examples.	
Comments	Range: night time, day time.	
Outline specialist capabilities for air rescue helicopters.		702724D09
Performance	Outline specialist capabilities for air rescue helicopters.	
Standards	In accordance with approved references and organizational doctrine.	
Conditions	Given examples of aircraft used by local air rescue services and types of incidents common to the locality.	
Comments	Range, may include not limited to: Night Vision Goggles, Winch, Instrument Flight Rating, Twin Engine, Forward Looking Infra-Red.	
Recall safe working procedures for helicopter winching operations.		702724D10
Performance	Recall safe working procedures for helicopter winching operations.	
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.	
Conditions	Given examples of aircraft used by local air rescue services.	
Comments	Range, may include not limited to: static discharge/grounding, hand signals, voice commands, maximum load, maximum winch length, emergency cable cutting procedure.	
Explain emergency procedures and equipment use as passenger on small aircraft.		702724D11
Performance	Explain emergency procedures and equipment use as passenger on small aircraft.	
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.	
Conditions	Given example of specific aircraft used locally.	
Comments	Range, must include: in-flight emergencies, ditching and crash procedures, survival, activation of location systems, explaining purpose of emergency equipment (axe, fire extinguisher, first aid kit, life jacket, emergency locator beacon, emergency breathing system).	

Identify communication systems, signals and protocols for working with aircraft. 702724D12

Performance	Identify communication systems, signals and operational protocols for working with aircraft..
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.
Conditions	Given example of specific aircraft used locally.
Comments	Range, must include: radio, intercom, emergency location beacon, sterile cockpit, activation/request, specific planning forms.

Identify and locate aircraft emergency equipment. 702724D13

Performance	Identify and locate aircraft emergency equipment.
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.
Conditions	Given actual aircraft (either fixed wing or rotary wing) or illustration/s/map/s of aircraft commonly used.
Comments	Range, must include but not limited to: axe, fire extinguisher, first aid kit, life jacket, emergency locator beacon. This is a practical skills that cannot be simulated.

Explain safe approach, entry, seating, and exit from an aircraft. 702724D14

Performance	Explain safe approach, entry, seating, and exit from an aircraft.
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.
Conditions	Given actual aircraft likely to be used, or visual aids of such.
Comments	Range, must include but not limited to: personal preparation (securing loose items etc), door operation, seat belt operation, following pilot/crew instructions.