

IQF Level	3	IQF Credit	3
Approved References	Helicopter Rescue Techniques (Thomas, 2017) The Essential Technical Rescue Field Operations Guide (6th Edition) by Tom Pendley NFPA 1006:2021 Standard for Technical Rescue Personnel Professional Qualifications Helicopter Rescue Techniques (National SAR Academy, 2013)		
Special Notes			

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

Complete specific planning forms for helicopter rescue operations	703224D01
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Performance	Complete specific planning forms for helicopter rescue operations.
Standards	In accordance with NFPA1006, approved references and organizational doctrine.
Conditions	Given simulated technical rescue scenario that requires helicopter rescue.
Comments	

Prepare a landing site for helicopter rescue operations.	703224D02
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Performance	Prepare a landing site for helicopter rescue operations.
Standards	In accordance with approved references, regulatory requirements, organizational doctrine.
Conditions	Given unprepared site that has mitigatable hazards including foreign object debris.
Comments	May either be day or night time.

Practice safe approach, entry, seating, and exit from a rescue helicopter.	703224D03
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Performance	Practice safe approach, entry, seating, and exit from a rescue helicopter.
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.
Conditions	Given actual rescue helicopter following briefing by pilot or crew. Engine is not required to be turned on.
Comments	Range, must include but not limited to: personal preparation (securing loose items etc), door operation, seat belt operation, following pilot/crew instructions.

Identify and locate rescue helicopter emergency equipment.	703224D04
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Performance	Identify and locate use of rescue helicopter emergency equipment.
Standards	In accordance with approved references, regulatory requirements and organizational doctrine.
Conditions	Given actual rescue helicopter.
Comments	Range, must include but not limited to: axe, fire extinguisher, first aid kit, life jacket, emergency locator beacon. This is a practical skill that cannot be simulated.