

011-60Z-1194
Perform Refueling Operations
Status: Approved

Security Classification: CUI - Controlled unclassified information

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the USAACE, Ft Rucker AI foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Conditions: You are a pilot in an operational environment, given a mission that requires you to perform the task, Inan H-60 helicopter and refueling equipment. Some iterations of this task should be performed in MOPP 4.

Standards: Perform refueling operations IAW and 100% adherence to the performance measures below.

Special Conditions: None

Safety Risk: Medium

MOPP 4: Sometimes

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: NIGHT OR NIGHT VISION GOGGLE CONSIDERATIONS: Supplement aircraft lighting at the refueling station by using an explosion-proof flashlight with an unfiltered lens to check for leaks and fuel venting, and for signaling, as necessary.

Performance Steps

1. Perform cold refueling.

- a. Guide the refueling vehicle to the aircraft.
- b. Ensure that the driver parks the vehicle the proper distance from the aircraft per ATP 4-43.
- c. Verify that all personnel not involved with the refueling operations are a safe distance away.
- d. Ground the aircraft per ATP 4-43, TM 1-1520-280-10, and the unit SOP.
- e. Refuel the aircraft per ATP 4-43, TM 1-1520-280-10, and the unit SOP.
- f. Ensure that the tanks are filled to the required level.

Cue: When the refueling is completed,
- g. Ensure that all caps are secured.
- h. Remove the ground connection if the aircraft will not remain parked.
- i. Make the appropriate entries on DA Form 2408-12.

2. Perform hot refueling.

- a. Assist the pilot on the controls (P*) in positioning the aircraft (P/NRCM).
- b. Ensure that the proper separation is maintained between the fuel source, the aircraft, and the refueling equipment.

Cue: Before refueling the aircraft,
- c. Verify that personnel not involved with the refueling operation are a safe distance away.
- d. Position yourself in view of active refueling personnel and at least one pilot (the crewmember outside the aircraft).
- e. Maintain the ability to communicate with both.
- f. Ensure that the aircraft is grounded and refueled per ATP 4-43, 1-1520-280/253-10, and the unit SOP.
- g. Assist with the refueling operation.
- h. Ensure that the tanks are filled to the required level.

Cue: When the refueling is completed,
- i. Ensure that all caps are secured.
- j. Remove the ground connection.
- k. Inform the pilot in command (PC) when the refueling is completed (the crewmember outside).
- l. Assist passengers in boarding the aircraft and in securing their seat belts.
- m. Assist the P* and P in clearing the aircraft during the departure from the refueling area.
- n. Make the appropriate entries on DA Form 2408-12.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Training will be conducted in the aircraft.

Evaluation Preparation: Evaluation will be conducted in the aircraft.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Ensured that safety procedures were complied with per ATP 3-04.1, ATP 4-43, and TM 1-1520-280-10/2.30.4.			
2. Ensured that all doors and windows were closed on the refueling side (for hot refueling operations).			
3. Ensured that the aircraft was refueled per ATP 3-04.1, ATP 4-43, TM 1-1520-280-10/2.30.4.and the unit standing operating procedure (SOP).			
4. Entered the appropriate information on DA Form 2408-12 (Army Aviator's Flight Record).			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	AR 95-1	FLIGHT REGULATIONS	Yes	Yes	
	AR 95-10	Department of Defense Notice to Airmen System {AFI 11-208; OPNAVINST 3721.20D}	Yes	No	
	AR 95-2	AIR TRAFFIC CONTROL, AIRFIELD/HELIPORT, AND AIRSPACE OPERATIONS	Yes	No	
	ATP 4-43	Petroleum Supply Operations	Yes	No	
	PAM 738-751	FUNCTIONAL USER'S MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM-AVIATION http://www.apd.army.mil/pdf/p738_751.pdf	Yes	No	
	SOP	Standing Operating Procedures (SOP), Local	Yes	No	
	TC 3-21.60	Visual Signals	Yes	No	
	TM 1-1520-280-10	OPERATOR'S MANUAL FOR HELICOPTERS, UTILITY TACTICAL TRANSPORT UH-60M (W/Chg 3, Dated 30 Oct 2020)	Yes	No	
	TM 1-1520-280-CL	TECHNICAL MANUAL OPERATOR'S AND CREWMEMBER'S CHECKLIST FOR HELICOPTERS, UTILITY TACTICAL TRANSPORT UH-60M (NSN 1520-01-492-6324)(EIC: RSP) HH-60M (NSN 1520-01-515-4615)(EIC: RSQ)	Yes	No	
	TM 1-1520-280-MTF	MAINTENANCE TEST FLIGHT MANUAL FOR HELICOPTER, UTILITYTACTICAL TRANSPORT UH-60M (NSN 1520-01-492-6324)(EIC: RSP) HH-60M (NSN1520-01-515-4615)(EIC: RSQ) (Change 007, 30 June 2015)	Yes	No	

TADSS : None

Equipment Items (LIN): None

Materiel Items (NSN) :

Step ID	NSN	LIN	Title	Qty
	1520-01-492-6324	H32429	Helicopter Utility: UH-60M	1

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card.

Safety: In a training environment, leaders must perform a risk assessment in accordance with current Risk Management Doctrine. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC).

Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW current CBRN doctrine.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

Knowledges :

Knowledge ID	Knowledge Name
011-074K	Tactical operations (METTT-S, terrain flight, etc.)
011-057K	Aviation safety
011-058K	Use of Aircraft Forms and Records
011-072K	Night flight operations
011-059K	Flight Regulations
011-079K	Tactical mission planning
011-076K	NBC Operations
011-049K	Helicopter systems & limitations
011-080K	Knowledge of Aircrew Coordination
011-052K	Communication procedures and radio phraseology
011-053K	Emergency procedures
011-083K	Operational environments (desert, mountain, jungle, etc.)

Skills :

Skill ID	Skill Name
011-072S	Night flight operations
011-080S	Skill in completing Aircrew Coordination
011-079S	Tactical mission planning
011-052S	Communication Procedures and Radio Phraseology
011-074S	Tactical flight operations (METT-TC, terrain flight, etc.)
011-058S	Completion of aircraft forms and records
S0824	Emergency Procedures

ICTL Data : None