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AIR FORCE GLOBAL STRIKE COMAND**

**AIR FORCE MANUAL 11-2UH-1N  
VOLUME 3**



**AIR FORCE GLOBAL STRIKE  
COMMAND  
Supplement  
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*Flying Operations*

**UH-1N HELICOPTER OPERATIONS  
PROCEDURES**

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This supplement implements and extends guidance to Air Force Manual (AFMAN) 11-2UH-1NV3, *UH-1N Helicopter Operations Procedures*. It applies to and prescribes specific guidance for Air Force Global Strike Command (AFGSC) commanders, training managers, supervisors, and aircrews operating UH-1N helicopters. This supplement applies to Air Force Reserve Command (AFRC) units that operate the UH-1N. It is not applicable to Air National Guard or United States Space Force. Ensure that all records created as a result of the processes prescribed in this publication are maintained in accordance with Air Force Instruction (AFI) 33-322, *Records Management and Information Governance Program*, and disposed of in accordance with Air Force Records Information Management System (AFRIMS). The authorities to waive wing/Space Force equivalent/unit level requirements in this publication are identified with a Tier (“T-0, T-1, T-2, T-3”) number following the compliance statement. See Department of the Air Force Manual (DAFMAN) 90-161, *Publishing Processes and Procedures*, for a description of the authorities associated with the Tier numbers. Submit requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the requestor’s commander for non-tiered compliance items. This publication may be supplemented at any level, but all supplements must be routed to the OPR of this publication for coordination prior to certification and approval. Refer recommended changes and questions about this publication to the Office of

Primary Responsibility (OPR) using the Department of the Air Force (DAF) Form 847, *Recommendation for Change of Publication*, through standardization and evaluation channels, to Headquarters Air Force Global Strike Command, (HQ AFGSC/A3T), 841 Fairchild Ave, Suite 223, Barksdale AFB, LA 71110.

### ***SUMMARY OF CHANGES***

This supplement has been substantially revised and must be completely reviewed. Major changes include (1) republished supplement as a standalone document to align with AFMAN 11-2UH-1NV3 IC1, (2) updated multiple AFI, DAFMAN, and AFMAN titles, (3) clarified required crew compliments in **Table 3.1**, (4) updated Minimum Aircraft Equipment and Instrumentation in **Table 5.2**, (5) removed non-applicable alternate restraint inspection guidance in **paragraph 5.6**, (6) added blank ammunition fires procedures in **paragraph 5.22.1**, (7) added aircrew arming requirements for operational missions in **paragraph 5.23**, (8) updates AFGSC helicopter mission verbiage to match governing guidance, (9) added low-level survey guidance in paragraphs **4.6.3.1** through **4.6.3.3**. A margin bar (|) indicates newly revised material.

**1.2. Deviations and Waivers.** Requests for deviations or waivers should be forwarded from 582 HG operations and command channels to 20 AF/A3H, who will review the waiver request and forward to AFGSC/A3T. Waivers of a time-critical nature are processed IAW **paragraph 1.2** of the parent manual.

2.1.1. **(Added)** Manual Changes. Submit suggestions for improvements to this manual on AF Form 847, *Recommendation for Change of Publication*, to 582 HG/OGV. 582 HG/OGV will consolidate all requests for manual changes, and forward non-time sensitive change requests to 20 AF/A3H and AFGSC/A3TV on a quarterly basis.

**2.3. Flight Lead.** Follow AFMAN 11-202V3, *General Flight Rules*, guidance for formation flight operations. At a minimum, the following mission events are considered formation flying regardless of formation separation. **(T-3)**

2.3.1. **(Added)** Convoy operations.

2.3.2. **(Added)** Emergency Security Response (ESR). When multiple aircraft respond from different areas on an ESR, the aircraft arriving first will be designated FL unless unit supervision directs otherwise. This does not preclude the transfer of the FL designation upon arrival of subsequent aircraft IAW AFTTP 3-1.H-1, *Tactical Employment – H-1*. **(T-3)**

2.4.1. **(Added)** Mission Monitoring (local and off-station) methods are delegated to 582 HG policies. When conducting local operational missions, a method of direct communication between an operations desk and the airborne helicopter should be maintained at all times.

2.5.1. Aircraft may divert from an existing sortie or units may launch a new sortie enroute to a search area while awaiting an AFRCC mission number in a time-critical situation. The SQ/CC is the launch authority; 582 HG/CC approval is required for execution. **(T-3)**

2.6.1. The 582 HG/CC will establish procedures for approving passengers IAW AFI 11-401\_AFGSCSUP. **(T-2)**

2.6.1.1. **(Added)** Military Airlift (MILAIR) Requests. Refer to DoDD 4500.56, *DoD Policy on the Use of Government Aircraft and Air Travel* and AFI 24-602V1, *Passenger Movement* for MILAR requests.

2.6.1.2. **(Added)** IAW with AFI 24-602V1, all MILAIR requests for the use of AFGSC UH-1N aircraft must be signed by the senior traveling official (this signature authority cannot be delegated). **(T-0)** Additionally, rotary-wing aircraft will be used only when the use of ground transportation would have a significant adverse impact on the ability of a senior official to effectively accomplish the purpose of the official travel. **(T-0)** This policy applies to all officers and employees of the Department of Defense.

2.6.1.3. **(Added)** Intra-theater Airlift. For the purposes of supporting the AFGSC mission at each installation, consider transportation of DoD military and civilian personnel within the missile complex as intra-theater airlift. Approval for intra-theater airlift will follow established MEP approval guidelines. This does not apply to flights outside the missile complex, or flights which fall under the categories of familiarization, direct mission support (DMS), MILAIR, Congressional and Staff travel, elected officials, foreign military, public affairs, etc. **(T-3)**

2.6.2. Direct mission support (DMS) flights that include personnel transport are reserved for missions/tasks required to directly sustain the Missile Wing and/or Bomb Wing's operational capability and operation plans (OPLAN). DMS missions are flown to support the overarching mission of AFGSC when the critical nature, environmental conditions, or other unforeseen events either prevent or preclude the use of surface transportation to execute the supported activity. DMS missions include transporting military, government, contractor, and/or civilian personnel, and equipment for the purpose of conducting duties in direct support of missile wing operations. The 582 HG/CC will establish procedures for approving passengers and equipment for DMS. **(T-2)**

2.6.3.1. **(Added)** IAW AFI 11-401\_AFGSCSUP, *Aviation Management*, on a case by case basis, AFGSC/A3 may approve sorties where aircrew conduct practice emergency procedures with an FAA examiner onboard to conduct an examination of rated aircrew personnel for civil certificates or ratings.

2.6.4.1. **(Added)** Units will manifest passengers IAW 582 HG policy.

**2.7. Mission Essential Personnel (MEP).** The 582 HG/CC will establish procedures for mission essential personnel IAW AFI 11-401\_AFGSCSUP. **(T-2)**

3.1.1. When training/re-currency is being conducted in the cabin, the instructor will not be used as a primary scanner on the opposite side of the aircraft. **(T-1)** The only situation where Instructor Flight Engineers (IF) may instruct two student flight engineers (FE) at the same time is if one of the students is an instructor candidate who is instructing a non-current/ unqualified student as long as both students are under the direct supervision of the IF. **(T-3)**

3.1.2. Training, such as Local Mission Certification, may occur on operational convoys and missile security support (MSS) missions. 582 HG/CC is the waiver authority for training on other operational missions, such as ESRs and search and rescues (SAR).

3.1.4. Key Staff officers may fly on all AFGSC missions/profiles in **Table 3.1** if under the supervision of an instructor pilot. Non-rated supervisory fliers will be seated in the main cabin. 582 HG/CC approval is required for Key Staff officer flying on operational missions

**3.2. (Added) Interfly.** An interfly is a temporary arrangement between OG/CCs or equivalent to permit the exchange or substitution of aircrew members and/or aircraft between UH-1N units to accomplish flying missions. Normally, an interfly should be limited to specific operations, exercises, or special circumstances. However, it may be used for events of longer duration such as unit conversion to another mission design series (MDS). AFGSC/A3T is the approval authority for qualified H-1 crewmembers from other US military services. AFMAN 11-2UH-1NV1, *UH-1N Helicopter Aircrew Training*, does not require UH-1N difference qualification training for H-1 pilots from other commands. When qualified H-1 pilots from other commands fly at a set of controls, a current and qualified Air Force instructor pilot from the owning command will occupy the other set of controls. The training being conducted will support specific flying training not available through AETC formal training courses. **(T-3)**

3.2.1. Interfly approval is not required for:

3.2.1.1. DELETED.

3.2.1.2. HG/CC approved training TDYs.

3.2.1.3. **(Added)** HHQ unit visits, staff assistance visits (SAV), formal visits, Nuclear Surety Inspections (NSI), and HHQ Exercises.

**3.4. Minimum Crew.** The minimum crew for the UH-1N operations in AFGSC is defined in **Table 3.1.** **(T-3)**

**Table 3.1. (Added) Crew Complement.**

Mission Profile	Minimum Crewmembers <sup>1</sup>	
	Pilot	FE
Emergency Procedures Training	2 <sup>2</sup>	
Instruments	2	
Distinguished Visitor (DV), Passenger/Cargo Airlift, Cross Country, Ferry	2	
Functional Check Flight (FCF)	2 <sup>3,7</sup>	
Unprepared Landing (UPL) Area Operations <sup>8</sup>	2	1
Alternate Insertion and Extraction (AIE) Operations, Parachute Delivery, Cargo Sling/Fire Bucket	2	1
SAR/Medical Evacuation (MEDEVAC)	2	2 <sup>4</sup>
Day Low-Level/Formation	2	1
Night Vision Goggle (NVG) Low-Level/Formation	2	2 <sup>5</sup>
Aerial Gunnery	2	2 <sup>6</sup>

Mission Profile	Minimum Crewmembers <sup>1</sup>	
	Pilot	FE
<p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. Crewmembers occupying a primary position during flight must be H-1 qualified and current for the mission profile to be flown, or conducting training/recurrency for that crew position/mission IAW AFMAN 11-2UH-1NV1. Otherwise, AFMAN 11-202V1, <i>Aircrew Training</i>, AFI 11-401, and associated MAJCOM supplements apply.</li> <li>2. Refer to paragraph 6.2.1.5 of the parent manual.</li> <li>3. FCF ground runs may be conducted with one pilot. Flight Engineers may fly on FCFs, but they must be FCF certified and will not fly in a pilot's seat. Additional crewmember as defined/required by TO 1H-1 (U)N-6CF-1, <i>Flight Manual Acceptance and Functional Checkflight Procedures</i>.</li> <li>4. Only one FE is required for day training SAR/MEDEVAC sorties. One FE may be substituted by a trained medical provider for real world SAR/MEDEVAC missions.</li> <li>5. For Operational Convoys that return after dark, if an aircraft has only one FE, NVG formation may be performed so long as that particular aircraft remains above 300 feet AGL and FL ensures at least 1,000 feet of lateral de-confliction.</li> <li>6. All formation gun patterns (with or without live fire) require 2 FEs. All live gunnery requires 2 FEs. Day, single-ship, gun patterns without live fire may be performed with one FE.</li> <li>7. Acceptance and cocking procedures outlined in TO 1H-1(U)N-1, <i>Flight Manual USAF Series UH-1N Helicopter</i> may be accomplished single pilot provided no flight time is logged.</li> <li>8. UPL Night-Unaided is not authorized.</li> </ol>		

4.1.1.3. Refer to AFGSCI 90-203, *Aviation Risk Management*.

4.2.2.4. Visual Flight Rules (VFR) Operational Weather Minimums. Aircrew will comply with the following minimums for the AFGSC operational mission indicated:

4.2.2.4.1. **(Added)** Emergency Security Response, SAR and MEDEVAC: In accordance with AFMAN 11-202V3 weather minima. **(T-2)**

4.2.2.4.2. **(Added)** All other Operational Missions: 500/1 day; 500/2 NVG; 1000/2 night unaided. **(T-3)**

4.2.2.4.3. **(Added)** VFR Training/Exercise Weather Minimums. Aircrew will comply with the following criteria for training/exercise flights: 500/2 day and 700/2 NVG. **(T-3)**

4.2.2.4.4. **(Added)** Training and operational weather minimums do not apply to hover and air taxi operations at the aerodrome.

4.2.2.4.5. **(Added)** Special VFR operations are permitted for both training and operational missions below 10,000 feet MSL, IAW with the following guidance from 14 CFR §91.157; with ATC clearance, and clear of clouds.

4.2.3.3. The GNS-530 visual display is authorized identify and monitor navigation aids in accordance with AFMAN 11-202V3.

4.6.1. Missile Wing missile complexes are not considered Low Altitude Tactical Navigation (LATN) areas or low-level surveyed routes; however, low-level flight is authorized in order to accomplish assigned missions/training. Units will coordinate with HQ AFGSC/A3O and HQ ACC/A3AA for the establishment of LATN or special use airspace.

4.6.3.1. **(Added)** Specific areas will be approximately the size of a missile flight area. **(T-3)** Activity in each area must be logged every 12 months. **(T-3)** To log activity in an area, aircrew should conduct a low-level search pattern with one mile spacing throughout the area, looking for new obstacles and charted obstacles that are inaccurate or no longer exist. Aircraft commanders will comply with **paragraph 4.10** of the parent publication if uncharted obstacles are discovered. **(T-3)**

4.6.3.2. **(Added)** Squadrons are responsible for tracking activity in flight areas. At a minimum, tracking information will include date of flight, flight hours, and aircraft commander's initials. **(T-3)** By initialing the tracker, the aircraft commander certifies that to the best of their knowledge, charted obstacles in the area will be accurate once their updates are included on the chart.

4.6.3.3. **(Added)** For operational, training, or exercise missions where obstacle information is not provided by the host unit, the mission commander is responsible for ensuring the area of operations is surveyed and obstacles are annotated prior to low-level operations. **(T-3)**

4.14.3. **(Added)** The 582 HG/CC will establish standardized alert procedures. Units may establish additional alert procedures. **(T-2)**

**5.4. Aircrew Charts.** The Helicopter Terrain Awareness and Warning System (HTAWS) must be enabled or in "reduced protection mode" when flying above 300 feet AGL. **(T-3)** For instrument flight, ACs will ensure both the HTAWS obstacle database and navigation database are current and up to date. **(T-3)**

**Table 5.2. Minimum Aircraft Equipment and Instrumentation.**

<b>Flight Equipment</b>	<b>Day</b>	<b>Night/NVG</b>	<b>IMC</b>	<b>Overwater</b>
Transponder System (IFF) <sup>1</sup>	X	X	X	X
Cabin Heater/Defrosting System <sup>2</sup>	X	X	X	X
<b>Mission Equipment</b>	<b>Convoy</b>	<b>MSS</b>	<b>ESR</b>	<b>SAR</b>
Land Mobile Radio (LMR)	X	X	X	
Wave Relay Tactical Assault Kit (WaRTAK)	X			
Forward Looking Infrared (FLIR) <sup>3</sup>	X	X	X	
<b>Note:</b>				
1. SQ/CCs may approve flights with Mode C inoperative.				
2. Must be operational when surface temperatures are 10°C or below. The HG/CC may approve recovery flights for maintenance if inoperative.				

**5.6. Restraint Devices.** The Misty Mountain UH-1 Adjustable Tether is an approved restraint device for all cabin occupants. **(T-3)**

5.18.2.1. **(Added)** . Tool kit accountability procedures are delegated to 582 HG policy guidance.

**5.20. Standard Configurations.** The 582 HG/CC will publish procedures for standard configurations. **(T-2)**

5.21.3. The 582 HG/CC will publish procedures for AIE storage and maintenance. **(T-2)**

**5.22. Weapons Employment.** AFGSC Helicopter Squadrons will publish procedures for local ranges and hot gun areas/procedures. **(T-2)**

5.22.1. **(Added)** Blank ammunition fires will be in accordance with DESR 6055.09\_AFMAN 91-201, *Explosive Safety Standards* and coordinated through the host installation weapons safety office.

**5.23. Armed Crewmembers.** For operational convoy missions, aircrew will be armed, at a minimum, with the M9/M18 and 30 rounds of ammunition. Aircrew will wear the appropriate level of body armor commensurate with assessed threats. For ESR alert, aircrew may be armed at HG/CC discretion or as required for protection of aircraft crew-served weapons. If time permits, aircrew should wear the appropriate level of body armor commensurate with assessed threats.

8.2.1.3. Crews will review the site diagram prior landing at an operational site.

8.5.2.4. **(Added)** When conducting Tactical Formation Maneuvering (TFM), the FL will brief airspeeds and bank angles. **(T-3)**

8.5.2.5. **(Added)** When flying in formation with less than 3-rotor disks separation, the only authorized Tactical Formation Maneuvers are: shackle, split, cover, and dig.

8.5.2.6. **(Added)** Center and cross turns will not be accomplished at night. **(T-2)**

### ***Section 8D—AFGSC Helicopter Missions***

**8.9. (Added) General.** AFGSC helicopter units exist to support the nuclear security mission. Assigned helicopter units provide direct support to host installation missile wings and their subordinate operations, maintenance, and security forces groups to ensure the security and effectiveness of the command's intercontinental ballistic missile (ICBM) force.

**8.10. (Added) Mission Set.** AFGSC helicopters are an integral part of providing safe, secure, effective and integrated support to AFGSC's missile wings. Units provide support during the execution of the following missions:

8.10.1. **(Added) Nuclear Security Operations (NSO).** Conduct missions in accordance with the *United States Constitution, Bill of Rights, Amendment IV* (Fourth Amendment); Executive Order (EO) 12333, *United States Intelligence Activities*; Special Instructions (SPINS); DoD Regulation 5240.01-R, *Activities of DoD Intelligence Components that Affect United States Persons*; AFI 14-404, *Intelligence Oversight*; and DoDD 5200.27, *Acquisition of Information Concerning Persons and Organizations not Affiliated with the Department of Defense*. **(T-0)** Tactics, techniques, and procedures (TTPs) should be IAW AFTTP 3-1.H-1, *Tactical Employment H-1*, pertinent OPORDS, DODM-S 5210.41, *Nuclear Weapon Security Manual*, AFMAN 31-108, and applicable supplements. Specific NSO missions include convoy operations, ESR, and MSS.

8.10.2. **(Added) Missile Security Support.** MSS encompass all other nuclear security operations other than convoy and ESR support. MSS missions are performed to deter and/or identify potentially hostile/suspicious persons or activities, to complicate a potential adversary's planning process, and potentially reduce response times to security incidents. These security sweeps are focused around areas of increased security interest. An airborne fire team (ABFT) should be a part of this mission package to the maximum extent possible.

8.10.3. **(Added) Training and FCF Flights.** Maintaining combat mission ready aircrew and a fleet of fully mission capable aircraft are of paramount importance to the nuclear security mission. Under normal circumstances, training/FCF sorties should take precedence over all missions aside from convoy support and ESR.

8.10.4. **(Added) SAR / Defense Support of Civil Authorities (DSCA).** AFGSC helicopters can be used for SAR and DSCA missions when tasked by a cognizant authority provided the support does not interfere with the primary nuclear security mission. ESR aircraft are not to be used to support SAR or DSCA **(T-1)**

8.10.5. **(Added) Direct Mission Support.** See [paragraph 2.6.2](#).

8.10.6. **(Added) Other Support.** All other flight activities not specifically dedicated to nuclear security, training, DMS, or SAR/DSCA fall into this category (e.g., orientation, public affairs, passenger movement). Helicopter units may support these missions on a non-interference basis with higher-priority missions, but additional administrative approval may be required prior to execution.

MICHAEL A. MILLER  
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Director of Operations and Communications

**Attachment 1*****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION******References***

*AFGSCI 90-203*, Aviation Risk Management, 22 September 2016

*AFI 11-401\_AFGSCSUP*, Aviation Management, 24 July 2021

*AFI 14-404*, Intelligence Oversight, 3 September 2019

*AFI 24-602V1*, Passenger Movement, 14 December 2020

*AFI 33-322*, Records Management and Information Governance Program, 20 March 2020

*AFMAN 11-202V1*, Aircrew Training, 27 September 2019

*AFMAN 11-202V3*, General Flight Rules, 10 January 2022

*AFMAN 11-2UH-1NV1*, UH-1N Helicopter Aircrew Training, 14 November 2018

*AFTTP 3-1.H-1*, Tactical Employment—H-1, 25 June 2021

*DAFMAN 90-161*, Publishing Processes and Procedures, 15 April 2022

*DESR6055.09\_AFMAN 91-201*, Explosive Safety Standards, 28 May 2020

*DoD Directive 4500.56*, DoD Policy on the Use of Government Aircraft and Air Travel, 14 April 2009

*DoD Manual-S 5210.41*, Nuclear Weapon Security Manual, 8 May 2022

*DoD Regulation 5240.01-R*, Activities of DoD Intelligence Components that Affect United States Persons, 8 August 2016

*Executive Order 12333*, United States Intelligence Activities, 4 Dec 1981 [as amended by *Executive Orders 13284 (2003)*, *13355 (2004)* and *13470 (2008)*]

*TO 1H-1(U)N-1*, Flight Manual USAF Series UH-1N Helicopter, 15 December 2017

*TO 1H-1(U)N-6CF-1*, Flight Manual Acceptance and Functional Checkflight Procedures, 15 December 2017

United States Constitution, Bill of Rights, Amendment IV, Search and Seizure, 15 Dec 1791

***Adopted Forms***

*DAF Form 847*, Recommendation for Change of Publication

***Abbreviations and Acronyms***

**ABFT**—Airborne Fire Team

**C2ISR**—Command, Control, Intelligence, Surveillance, and Reconnaissance

**DSCA**—Defense Support of Civil Authorities

**EO**—Executive Order

**ESR**—Emergency Security Response

**FE**—Flight Engineer

**HHQ**—Higher Headquarters

**HTAWS**—Helicopter Terrain Awareness and Warning System

**ICBM**—Intercontinental Ballistic Missile

**LATN**—Low Altitude Tactical Navigation

**MDS**—Mission Design Series

**MILAIR**—Military Airlift

**MSS**—Missile Security Support

**NSI**—Nuclear Surety Inspection

**NSO**—Nuclear Security Operations

**OPLAN**—Operation Plan

**SPINS**—Special Instructions

**TDY**—Temporary Duty

**TFM**—Tactical Formation Maneuvers

**TTP**—Tactics, Techniques, and Procedures