

BY ORDER OF THE SECRETARY OF THE AIR FORCE **AFI 11-2UH/TH-1HV3_CL-1**
27 JUNE 2008

Certified Current, 29 AUGUST 2012

Flying Operations



**UH/TH-1H HELICOPTER CREW
BRIEFING GUIDES AND CHECKLISTS**

**COMPLIANCE WITH THIS PUBLICATION IS
MANDATORY**

ACCESSIBILITY: Publications and forms are available for downloading or ordering on the e-Publishing website at www.e-publishing.af.mil (will convert to www.af.mil/e-publishing on AF Link).

RELEASABILITY: There are no releasability restrictions on this publication.

OPR: HQ AETC/A3ZS Certified by: HQ USAF/A3O-A
(Brig Gen Lyn D. Sherlock)
Pages: 14

This publication applies only to personnel performing duties on the UH-1H and TH-1H aircraft. It applies to all major commands (MAJCOM) where active duty and contract pilots fly the UH/TH-1H. It does not apply to the Air Force Reserve Command or Air National Guard. This checklist complements AFI 11-2UH/TH-1H, Volume 3, *UH/TH-1H Operations Procedures*, and is printed on standard size paper and then trimmed to a 5" x 8" size to fit the standard plastic UH/TH-1H aircrew checklist binders.

Submit suggested improvements to this publication using AF Form 847, *Recommendation for Change of Publication*, to the parent MAJCOM through stan/eval channels. Parent MAJCOMs will forward approved recommendations to HQ AETC/A3FV. HQ USAF/A3/5 is the approval authority for changes and revisions to this checklist.

Ensure all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS).

The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

TABLE OF CONTENTS

<u>BRIEFING GUIDES</u>	<u>PAGE</u>
General Aircrew Briefing	4
Mission Briefing	6
Post Flight Aircrew Debriefing	9
Instrument Departure Briefing	10
Instrument Approach Briefing	10
Search Briefing	11
<u>CHECKLISTS</u>	
Instrument Cockpit Checklist	12
Low-Level Ingress Checklist	14

1. General. Aircrews will use the briefing guides and checklists applicable to their mission. The general aircrew or mission briefing will be accomplished for all flights. Specialized briefings will be accomplished prior to accomplishing the associated event. Flight leads will conduct a formation debrief. Carry this information in the US Air Force flight crew checklist.

2. Use of Briefing Guides. Tailor the briefing to the applicable mission or event. Brief only the applicable items in a logical sequence.

3. Supplements and Standard Operating Procedures (SOP). Units may supplement this publication with additional briefing guides or checklists. Units may publish SOPs to describe standards for accomplishing steps in checklists. Units will forward proposed supplements and SOPs to the MAJCOM through stan/eval channels for approval prior to implementation.

BRIEFING GUIDES**GENERAL AIRCREW BRIEFING**

- 1. Time Hack/Roll Call**
- 2. Briefing Classification**
- 3. Mission**
 - 3.1. Primary and alternate
 - 3.2. Mission objectives
 - 3.3. Sequence of events/route of flight
 - 3.4. Special requirements
 - 3.5. Hazards to flight/risk assessment
- 4. Flight Planning**
 - 4.1. Weather (takeoff/en route/destination)
 - 4.2. Aircraft numbers, call signs
 - 4.3. Fuel load, bingo fuel
 - 4.4. Aircraft load, configuration
 - 4.5. Weight and balance
 - 4.6. Performance Data/TOLD
 - 4.7. Seat time, takeoff time, duration
 - 4.8. Notice to Airmen (NOTAM), flight crew information file (FCIF)
 - 4.9. Special interest items
 - 4.10. Passengers
- 5. Crew Duties and Responsibilities**
 - 5.1. Primary duties
 - 5.2. Changing control of aircraft
 - 5.3. Emergencies (critical/noncritical, takeoff/en route/landing)
 - 5.4. Crash landing/ditching
 - 5.5. Scanning
 - 5.6. Stopovers
 - 5.7. Antihijacking
 - 5.8. Inadvertent instrument meteorological conditions (IMC)
 - 5.9. Crew resource management (CRM) review

6. Equipment

- 6.1. Flight publications/charts
- 6.2. Aircraft emergency/survival equipment
- 6.3. Special mission requirements (headsets, tiedowns, lights, etc.)
- 6.4. Life support equipment
- 6.5. Personal equipment (ID tags, flashlight, jewelry/scarves removed, electronics off prior to flight)

7. Specialized Mission Briefings

8. Questions/Comments

MISSION BRIEFING (*Formation briefing items in italic*)

- 1. Time Hack/Roll Call**
(Ensure flight authorization properly reflects crew and mission)
- 2. Briefing Classification**
- 3. Mission**
 - 3.1. Primary and alternate
 - 3.2. Mission objectives
 - 3.3. Sequence of events/route of flight
 - 3.4. Smart pack inventory/comm card
 - 3.5. Hazards to flight/risk assessment
- 4. Flight Planning**
 - 4.1. Current maps/chart
 - 4.2. Weather (takeoff/ en route/destination)
 - 4.2.1. Solar/lunar data
 - 4.3. Aircraft numbers, call signs, *positions*
 - 4.4. Fuel load, mission/bingo fuel, aircraft configurations
 - 4.5. *Formation lighting*
 - 4.6. Seat time, *comm check-in*, start, takeoff, duration
 - 4.7. NOTAMs, FCIF
 - 4.8. Special interest items
 - 4.9. Passengers
- 5. Weight and Balance**
- 6. Performance Data/TOLD**
 - 6.1. Takeoff and worst case
- 7. Departure: Taxi, Takeoff, and Join Up**
 - 7.1 *Lineup/positions*
 - 7.2 *Communications procedures*
 - 7.3 *Type of formation*
 - 7.4. Aborts/bumps
 - 7.5. Donning goggles

8. En Route

- 8.1. Altitudes/airspeeds
- 8.2. Power checks
- 8.3. *Navigation responsibilities*
- 8.4. *Type formations*
- 8.5. *Lead changes*
- 8.6. Communications
- 8.7. *Rejoin procedures*

9. Terminal Operations: Primary/Alternate

- 9.1. Objective/TOT
- 9.2. Night vision goggle (NVG) lighting
- 9.3. Approaches and landings
 - 9.3.1. *Type formation and spacing*
 - 9.3.2. Landing areas/site evaluations
 - 9.3.3. Go-around procedures
- 9.4. Egress takeoff/route of flight

10. Recovery: Taxi, Parking Plan, Removing Goggles**11. Contingencies**

- 11.1. *Inadvertent IMC/lost wingman*
- 11.2. Visual meteorological conditions (VMC) *blind*
- 11.3. *Aborts/_____ (PL)*
- 11.4. *Lost/degraded communications*
- 11.5. *Lost navigation*

12. Crew Duties and Responsibilities

- 12.1. Changing control of aircraft
- 12.2. Scanner duties
- 12.3. Emergency actions/intentions
 - 12.3.1. Takeoff
 - 12.3.2. En route
 - 12.3.3. Objective
 - 12.3.4. NVG malfunction
 - 12.3.5. Crash landing/ditching
- 12.4. Stopovers
- 12.5. Antihijacking

13. Equipment

- 13.1. Flight publications/charts
- 13.2. Aircraft emergency/survival equipment
- 13.3. Special mission requirements (headsets, tiedowns, lights, etc.)
- 13.4. Life support equipment
- 13.5. Personal equipment (ID tags, flashlight, jewelry/scarves removed, electronics off prior to flight)

14. Specialized Mission Briefings**15. Questions/Comments**

POST FLIGHT AIRCREW DEBRIEFING

- 1. Roll Call**
- 2. Briefing Classification**
- 3. Mission Objectives/Accomplishment**
- 4. Mission Reconstruction**
 - 4.1. Briefing
 - 4.2. Ground operations
 - 4.3. Departure
 - 4.4. En route
 - 4.5. Terminal operations
 - 4.6. Recovery
- 5. *Flight Discipline/Effectiveness***
- 6. Communications**
- 7. Lessons Learned/Areas for Improvement**
- 8. Comments/Questions**

INSTRUMENT DEPARTURE BRIEFING

- 1. Navigation/Communication Radio Settings** (set for IFR departure or emergency return)
- 2. Departure Instructions/Restrictions/Clearance Limit**
- 3. Emergency Return Approach**
 - 3.1. Type of approach/page/_____(TCN)
 - 3.2. _____ (DH/MDA)
 - 3.3. Inbound course
 - 3.4. Emergency safe/sector altitude
- 4. Hazardous Terrain/Obstacles**
- 5. Emergency Intentions**

INSTRUMENT APPROACH BRIEFING

- 1. Type of Approach/Page #/TCN**
- 2. Weather at Destination/Weather Required**
- 3. Navigation/Communication Radio Settings**
- 4. DH/MDA**
- 5. Altimeter** (barometric/radar)
- 6. Final Approach Fix/Final Approach Course**
- 7. Review Descent Rate**
- 8. Missed Approach Point and Intentions**
- 9. Minimum Safe Altitudes** (minimum sector/emergency safe)
- 10. Airfield Review** (alignment, lights, obstacles, elevation, etc.)
- 11. Crew Duties**
- 12. Lost Communications Intentions**
- 13. Backup Approach**
- 14. Heading and Attitude Systems**
- 15. Aircraft Lighting**
- 16. Before Landing Checklist**

Note: When accomplishing successive approaches, only the items that have changed need be briefed.

SEARCH BRIEFING

1. **Objective**
2. **Search Area/Recovery Location**
3. **Weather** (en route, on scene, recovery)
4. **Power Available/Power Required**
5. **Search Pattern, Track Spacing, Altitude, Airspeed**
6. **Bingo Fuel**
7. **On-Scene SAR Forces**
8. **Communications** (with SAR forces, controlling agency)
9. **Actions upon Sighting Objective**

CHECKLISTS**INSTRUMENT COCKPIT CHECKLIST**

Note: To promote fuel conservation, items previously confirmed by the crew should be omitted and navigation/radar altimeter testing procedures should be memorized. Checklist should be performed as Challenge - RESPONSE - RESPONSE.

1. Publications – CHECKED
2. Airspeed Indicators – AT OR NEAR ZERO
3. Attitude Indicator – CHECKED
4. VVI – AT OR NEAR ZERO
5. Turn and Slip – STATIC POSITION
6. Heading and Magnetic Compass – CHECKED
7. Barometric Altimeter – SET AND CHECKED
8. Clock – SET AND RUNNING
9. Defroster/Pitot Heat/ANTI-ICE - SET
10. TACAN – CHECKED (if applicable)
 - 10.1. Tune and identify an available station
 - 10.2. Cycle NAV button on MFD to TCN
 - 10.3. Check bearing pointer points to station (+/- 4 degrees) from known checkpoint
 - 10.4. DME .5 mile or 3% error, whichever is greater
 - 10.5. Check CDI Centered (+/- 4 degrees) from known checkpoint
 - 10.6. Check TO-FROM indication
11. VOR – CHECKED (if applicable)
 - 11.1. Tune and identify an available station
 - 11.2. Cycle NAV button on PFD to VOR
 - 11.3. Check bearing pointer points to station
 - 11.4. Check CDI Centered (+/- 4 degrees) from known checkpoint
 - 11.5. Check TO-FROM indication

12. ILS - CHECKED (if applicable)
 - 12.1. Tune and identify an available localizer
 - 12.2. Cycle NAV button on MFD to ILS
 - 12.3. Select proper approach course
 - 12.4. Check proper CDI and glide slope indications
13. ADF – CHECKED (if applicable)
 - 13.1. Tune and identify an available station
 - 13.2. Cycle NAV button on MFD to ADF
 - 13.3. Check bearing pointer points to station
14. GPS – CHECKED (if applicable)
 - 14.1. Check satellite availability and RAIM
 - 14.2. Enter waypoint (known checkpoint)
 - 14.3. Cycle NAV button on MFD to GPS
 - 14.4. Check bearing pointer points to checkpoint
 - 14.5. Check proper CDI and distance indications
15. Instrument Cockpit Checklist – COMPLETED

LOW-LEVEL INGRESS CHECKLIST

Note: Checklist should be performed as Challenge - RESPONSE
– RESPONSE.

1. Radio Responsibilities – CONFIRMED
2. Performance Data/TOLD – CONFIRMED
3. Mission Capable/Bingo Fuel – VERIFIED
4. Lights/Transponder – SET
5. Before Landing Checklist – COMPLETED
6. Low-Level Ingress Checklist -- COMPLETED

DANIEL J. DARNELL, Lt Gen, USAF
DCS, Operations, Plans & Requirements