



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
US ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND  
AVIATION AND MISSILE RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER  
5400 FOWLER ROAD  
REDSTONE ARSENAL, ALABAMA 35898-5000

5 Aug 14 | R11  
2 Oct 01

RDMR-AEU

MEMORANDUM FOR All U.S. Army Units

SUBJECT: Airworthiness Release (AWR) for Rescue Hoist Equipment on UH/HH-60 Helicopters (AWR 980)

1. This memorandum constitutes an AWR in accordance with (IAW) Army Regulation (AR) 70-62 for use of approved listed Rescue Equipment on the UH/HH-60 helicopters equipped with a rescue hoist. This AWR ensures safety compatibility with the host aircraft. This AWR does not ensure durability and performance of the subject equipment.
2. Validity: This AWR is terminated on **31 Aug 16**, changes in configuration of the subject equipment, or issuance of a later AWR, whichever occurs first.
3. List of Appendices: This memorandum and Appendix A will be carried in the logbook, and a complete AWR copy with all appendices shall be kept in the aircraft historical record file.

Appendix A. Restrictions and Operating Information  
Appendix B. Configuration and Installation Detail  
Appendix C. Inspections, Maintenance, and Logbook Instructions  
Appendix D. References

4. The point of contact (POC) for this AWR is Nathan Proper, DSN 897-3124, Commercial (256) 313-3124, or e-mail: [nathan.j.proper.CIV@mail.mil](mailto:nathan.j.proper.CIV@mail.mil). An alternate POC is Bill Silvey, (Contractor, Camber Corporation), at DSN 897-3147, commercial (256) 313-3147 or e-mail: [william.e.silvey2.CTR@mail.mil](mailto:william.e.silvey2.CTR@mail.mil), or [ae-u-tts@amrdec.army.mil](mailto:ae-u-tts@amrdec.army.mil).

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**Appendix A. Restrictions and Operating Information:**

1. Operate the UH/HH-60A/L/M IAW the Operator's Manual (reference 1, 2, or 3), as appropriate, except as modified by this AWR.
2. During hoist training operations, comply with standards outlined in Task 2060 of reference 7.

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**Appendix B. Configuration and Installation Detail:**

1. The basic UH/HH-60A/L/M helicopter is defined in reference 1, 2 or 3, with exceptions as noted within this AWR.
2. The following equipment listed in Table 1 is compatible with all current existing AWRs.

Item Description	NSN	P/N
Forest Penetrator	4240-00-199-7353	K26-1000-9
Forest Penetrator	4240-01-500-8115	K26-1000-105
SKED Complete Rescue System	6530-01-301-0796	SK-800
SKED Basic Rescue System	6530-01-260-1222	SK-200
Rescue Net	1670-01-172-3592	X-872-SF
Rescue Strop	1680-01-347-4946	216-1
#415 Static Discharge Cable *		#415
#420 Rescue Seat	4240-01-465-2302	420
495 Rescue Basket	1670-01-566-6578	495
495-L Rescue Basket *	N/A	495-L
499-B Rescue Basket	4240-01-250-0313	499-B

\* 495-L Basket and #415 Cable must be ordered directly from the manufacturer.

**NOTE**

The subject equipment has no interface with the host helicopter other than physical connection to rescue hoist hook.

The Medic must ensure that the grounding cable does not get snagged/entangled on/with anything on the ground.

3. The Forest Penetrator (NSN 4240-00-199-7353, P/N K26-1000-9) is mounted to the rescue hoist by the rescue hook passing through a lifting eyebolt. The Forest Penetrator is maintained and operated IAW NAVAIR 13-1-6.5 (reference 5).
4. The Forest Penetrator (NSN 4240-01-500-8115, P/N K26-1000-105) is the same as the obsolete P/N K26-1000-9 it replaces, with the addition of a Fouling Preventer Assembly and full length eyebolt. The Forest Penetrator is mounted to the rescue hoist by the rescue hook passing through a lifting eyebolt. The Forest Penetrator is maintained and operated IAW TO 14S6-3-1 (reference 6).
5. Deleted
6. The SKED Complete Rescue System (NSN 6530-01-301-0796, P/N SK-800) consists of the SKED Basic Rescue System (P/N SK-200), the Inflatable Flotation System, and the Oregon Spine Splint II. The SKED stretcher is mounted to the rescue hoist by the rescue hook passing through

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the large steel locking carabiner that passes the four ends of the equalizing straps. The SKED Complete Rescue System is maintained and operated IAW FM 8-10-6 (reference 4).

7. The SKED Basic Rescue System (NSN 6530-01-260-1222, P/N SK-200) is mounted to the rescue hoist by the rescue hook passing through the large steel locking carabiner that passes the four ends of the equalizing straps. The SKED Basic Rescue System is maintained and operated IAW FM 8-10-6 (reference 4).

8. The Rescue Net (NSN 1670-01-172-3592, P/N X-872-SF) is mounted to the rescue hoist by the rescue hook passing through the Pickup Ring. The Rescue Net is maintained and operated IAW NAVAIR 13-1-6.5 (reference 5).

9. The Rescue Strop (NSN 1680-01-347-4946, P/N 216-1) is mounted to the rescue hoist through the rescue hook passing through the dual "V" rings. The Rescue Strop is maintained and operated IAW NAVAIR 13-1-6.5 (reference 5).

10. The #420 Rescue Seat (NSN 4240-01-465-2302, P/N 420) is mounted to the rescue hoist through the rescue hook passing through the lifting eyelet. The Rescue Seat is maintained and operated IAW NAVAIR 13-1-6.5 (reference 5).

11. The Rescue Basket (NSN 1670-01-566-6578, P/N#495 and #495-L) is mounted to the rescue hoist through the rescue hook passing through the lifting eyelet. The #495-L is recommended to be used with the internal rescue hoist due to the inverted lifting eye. The #495 and 495-L Rescue Basket is maintained and operated IAW NAVIR 13-1-6.5 (reference 5).

12. The Rescue Basket (NSN 4240-01-250-0313, P/N 499-B) is mounted to the rescue hoist through the rescue hook passing through the lifting eyes. The Rescue Basket is maintained and operated IAW NAVAIR 13-1-6.5 using the P/N 495 maintenance information (reference 5).

13. Lifesaving Systems Corp, Static Discharge Cable, P/N #415, is mounted to the rescue hoist through the rescue hook. The static discharge cable is used to dissipate the static charge sometimes experienced during hoist operations.

#### **Appendix C. Inspections, Maintenance, and Logbook Instructions:**

1. The subject equipment shall be inspected and maintained IAW all applicable maintenance manuals and associated messages.

2. Any/all logistics support required for such equipment/system installation must be established and maintained by the operating unit with appropriate, locally established, support activities. Parts needed for this modification may not be available in the supply system. Your activity/facility must locally procure/manufacture the modification parts (plus any additional spare parts). This AWR is not authorization to procure any material or sources "Sole Source."

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3. Unit Commanders are responsible for training on operation of subject equipment and any aircraft-unique training required as a result of subject equipment installation.
4. In the event any operating limits established by this release is exceeded, in addition to the normal entry on DA Form 2408-13, appropriate inspections for security and condition of modifications shall be performed prior to next flight. Any incident or malfunction of the aircraft suspected of being related to these configuration modifications shall be reported immediately to the POC.
5. When not in use, the subject equipment shall be stowed and secured IAW reference 1, 2 or 3, Chapter 6, Section VI.
6. Logbook Entries:
  - a. In accordance with Department of the Army (DA) Pamphlet 738-751, the following entry shall be made on the DA Form 2408-13-1 and shall be perpetuated on each form during the period of installation or until superseded by another AWR, or until reason for limitation is removed: Place a circled "X" in the Status block. In the Faults/Remarks block, make the following entry: "Operate IAW AWR 980, dated 5 Aug 14."
  - b. For Army Materiel Status System (AMSS) or DA Form 1352 reporting purposes, the above write-ups shall not cause the aircraft to be reported as Partially Mission Capable (PMC). Aircraft which are nonstandard configured and operating under this release may be reported as Fully Mission Capable (FMC).
  - c. The aircraft DA Form 2408-15 shall be annotated to cite this AWR by subject and date. The 2408-15 shall be annotated to reflect temporary installations as well as permanent changes to configuration.
  - d. Unit Level Logistics System-Aviation (ULLS-A) users shall use the equivalent electronic form.

**Appendix D. References:**

1. Technical Manual 1-1520-237-10, Operator's Manual for UH-60A, UH-60L, and EH-60A Helicopters, 25 Sep 09, with all changes.
2. Technical Manual 1-1520-253-10, Operator's Manual for HH-60A and HH-60L Helicopters, 30 Jun 10, with all changes.
3. Technical Manual 1-1520-280-10, Operator's Manual for UH-60M and HH-60M Helicopters, 14 Aug 09, with all changes.

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4. Field Manual 8-10-6, Medical Evacuation in a Theatre of Operations, Tactics, Techniques and Procedures, 14 Apr 00.
5. Technical Manual NAVAIR 13-1-6.5, Aviation-Crew Systems, Rescue and Survival Equipment, 1 Sep 10, with all changes.
6. Technical Manual TO 14S6-3-1, Operation and Maintenance with Parts List, Forest Penetrator, Rescue Seat Assembly P/N K26-1000-5 and K26-1000-9, 30 Aug 95, with all changes.
7. Training Circular TC 3-04.33 (TC 1-237), Aircrew Training Manual Utility Helicopter, H-60 Series, May 13.