

URGENT

*TB 1-1520-237-20-228

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

SAFETY OF FLIGHT TECHNICAL, RCS CSGLD-1-1860(R1), ALL H-60 AIRCRAFT, REVISION TO SOF MESSAGE UH-60-98-01, RISK MANAGEMENT OF 230 GALLON EXTERNAL TANK FLIGHT OPERATIONS

Headquarters, Department of the Army, Washington, D. C.
12 March 2001

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

1. **Priority Classification. URGENT**

NOTE

This message is effective until Rescinded or Superseded.

IAW AR 95-1, para 6-6A, MACOM Commanders may authorize temporary exception from ASAM message requirements. Exception may only occur when combat operations or matter of life or death in civil disasters or other emergencies are so urgent that they override the consequences of continued aircraft operation.

a. Aircraft in Use. Upon receipt of this message make the following entry on the DA Form 2408-13-1. Enter a Red Horizontal Dash //-- status symbol with the following statement: "Inspect for installation of fuel monitoring system IAW TB 1-1520-237-20-228 prior to the next flight, but NLT 19 Jan 01." Clear the Red Horizontal Dash //-- entry when the procedures IAW para 8 and 9 are completed. Commanders who are unable to comply with the requirements of this message within the time frame specified will upgrade the affected aircraft status symbol to a Red //X//.

b. Aircraft in Depot Maintenance. Same as para 1a.

c. Aircraft Undergoing Maintenance - Same as para 1a.

d. Aircraft in Transit.

(1) Surface/Air Shipment. Prior to first flight after arrival at final destination.

* This TB supersedes USAAMCOM Aviation Safety of Flight Message (AMSAM), 051340ZJan01, UH-60-01-04.

- (2) Ferry Status – Prior to first flight after arrival at final destination.
 - e. Maintenance Trainers (Category A, and B). N/A.
 - f. Component/Parts in Stock at All Levels (Depot and Others), Including War Reserves. N/A
 - g. Components/Parts in Work (Depot Level and Others). N/A.
- 2. Task/Inspection Suspense Date.** Complete the initial inspection of IAW paragraph 8 prior to the next flight but NLT 19 Jan 01 and report IAW para 14b.
- 3. Reporting Compliance Suspense Date.** Report compliance IAW para 14a NLT 26 Jan 01.
- 4. Summary of the Problem.**
- a. A joint U.S. Army Aviation Center and U.S. Army Aviation and Missile Command message UH-60-98-01 (AH-64-98-01) was published in Jan 98. Recent direction from the Chief of Staff of the Army further limits use of Extended Range Fuel System (ERFS) to H-60 aircraft that have been configured with a fuel management system that provides fuel quantity information and fuel flow indication for each installed external fuel tank. One such system is the Auxiliary Fuel Management System (AFMS) that is being fielded by the Black Hawk Project Management Office under MWO 1-1520-237-50-078. Another is the Auxiliary Fuel Gauging System procured from Smiths Industries and installed on a limited number of UH-60s stationed in Europe in the mid-1990s as an interim measure until AFMS was available. DCSOPS will prioritize issue of existing AFMS kits until they are exhausted or until the additional kits needed to complete the fielding have been received.
 - b. For manpower/downtime and funding impacts see paragraph 12.
 - c. The purpose this message is to:
 - (1) Inspect for installation of AFMS or equivalent fuel monitoring capability on aircraft with the hard points required for installing the external fuel tanks.
 - (2) Restrict fueled ERFS operations to those aircraft that are configured with the capability to provide fuel level quantity and fuel indication on each individual installed external fuel tank.
- 5. End Items to be inspected.** All H-60 series aircraft.
- 6. Assembly Components to be Inspected.** N/A
- 7. Parts to be Inspected.** N/A.
- 8. Inspection Procedures..**

NOTE

Army policy for use of ERFS on the UH-60, EH-60 and AH-64 was stated on Safety of Flight Message UH-60-98-01/AH-64-98-01 and shall remain in effect.

- a. If aircraft is an MH-60K or is not equipped with hard points necessary for ERFS tank operations the inspection is complete and Red Dash //--// will be cleared.
- b. Review aircraft DA Form 2408-5 (Equipment Modification Record). If MWO 1-1520-237-50-78, AFMS has been applied, or a Smiths Industries Fuel Gauging System that provides fuel quantity information for each ERFS is installed, the inspection is complete and the Red Dash //--// will be cleared.
- c. If the aircraft does not have monitoring capability meeting paragraph 8b, then proceed to paragraph 9.

9. Correction Procedures.

a. Aircraft not configured with a fuel monitoring system that provides fuel level quantity for each installed external fuel tank such as the Auxiliary Fuel Management System (AFMS) clear original Red Dash //--// entry. Make the following entry on the DA Form 2408-13-1. Enter a circled Red //X// status symbol with the following statement: "Aircraft restricted from fueled ERFs operations IAW TB 1-1520-237-20-228." Units will report aircraft status as FMC while awaiting AFMS MWO application.

b. Aircraft which have ERFs installed without the required fuel monitoring capability are authorized an immediate one time flight to the nearest secure maintenance facility for defueling of the ERFs. Aircraft that can not be defueled will be placed in a Red //X// condition status until the defueling can be completed.

10. Supply/Parts and Disposition. HQDA-ODCSOPS will prioritize units and MWO kit distribution.

11. Special Tools, Jigs and Fixtures Required. N/A.

12. Application.

a. Category of Maintenance. – AVUM. Aircraft downtime will be charged to AVUM maintenance. Report aircraft Non-Mission Capable Maintenance (NMCM) while undergoing inspection and correction IAW this message.

b. Estimated Time Required.

(1) Total of .5 man-hours using 1 persons.

(2) Total of 0 hours downtime for one end item.

c. Estimated cost impact to the field. N/A

d. TB/MWOs to be applied prior to the next ERFs mission – Auxiliary Fuel Management System, TB 1-1520-237-078.

e. Publications Which Require Change as a Result of This Inspection. – A publication review is ongoing and changes required to implement this policy will be implemented as required.

13. References.

a. Safety of Flight Message UH-60-98-01/AH-64-98-01, 271945Z Jan 98, Subject: UH/EH-60 and AH-64 Aircraft, Risk Management of 230 Gallon External Tank Flight Operations.

b. DA PAM 738-751.

14. Recording and Reporting Requirements.

a. Reporting Compliance Suspense Date (Aircraft). Upon entering requirements of this TB on DA Form 2408-13-1 on all subject MDS aircraft, Commanders will forward a priority message, datafax or E-Mail to Commander, AMCOM, ATTN: AMSAM-SF-A (SOF Compliance Officer), Redstone Arsenal, AL 35898-5000, IAW AR 95-1. Datafax number is DSN 897-2111 or commercial (256) 313-2111. E-Mail address is "SAFEADM@REDSTONE.ARMY.MIL". The report will cite TB 1-1520-237-20-228, date of entry in DA Form 2408-13-1, the aircraft mission design series and serial numbers of aircraft in numerical order.

b. Upon completion of inspection, Commanders will forward a priority message to: Commander, AMCOM, ATTN: AMSAM-DSA-UH-L (Mr. Joe Hoover, DSN 645-7898 or (256) 955-7898, Datafax is DSN 897-3778 or (256) 313-3778, e-mail is "joe.hoover@redstone.army.mil". The report will cite TB 1-1520-237-20-228, aircraft serial number, and AFMS or comparable system is installed. Reports will be completed by NLT 5 Feb 01.

c. Reporting Message Receipt (Spares). N/A

d. Task/Inspection Reporting Suspense Date (Spares). N/A

e. The following forms are applicable and are to be completed in accordance with DA Pam 738-751, 15 Mar 99.

NOTE

ULLS-A users will use applicable "E" Forms.

- (1) DA Form 2408-5, Equipment Modification Record. (To check for application of modification only.)
- (2) DA Form 2408-13, Aircraft Status Information Record.
- (3) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.
- (4) DA Form 2408-15, Historical Record for Aircraft.

15. Weight and Balance. N/A.

16. Points of Contact.

a. Technical point of contact for this TB is Mr. Darrell Hutson, AMSAM-RD-AE-I-D-U, DSN 897-2413 or (256) 313-2413. Alternate phone number is DSN 897-5198 or (256) 313-5198. Datafax is DSN 897-3844 or (256) 313-3844. E-mail is "darrell.hutson@redstone.army.mil".

b. Logistical point of contact is Mr. Joe Hoover, AMSAM-DSA-UH-L, DSN 645-7898 or (256) 955-7898, datafax is DSN 897-3778 or (256) 313-3778. E-mail is "joe.hoover@uh.redstone.army.mil".

c. Headquarters, Department of the Army point of contact is CW4 James Kelly, HQDA, DALO-AMAV, DSN 227-0487, commercial (703) 697-0487, FAX DSN 225-6633, commercial (703) 695-6633. E-mail "kel-lyjl@hqda.army.mil".

d. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAM-MMC-RE-FF, DSN 746-5564 or (256) 876-5564, Datafax is DSN 746-4904. E-mail is "ann.waldeck@redstone.army.mil".

e. Safety points of contact are

(1) Primary - Mr. Frank Rosebery, (SAIC), AMSAM-SF-A, DSN 788-8631 or commercial (256) 313-8631, Datafax is (256) 313-2111. E-mail is "frank.rosebery@redstone.army.mil".

(2) Alternate - Mr. Ron Price, AMSAM-SF-A, DSN 788-8636 or (256) 842-8636, datafax is (256) 313-2111. E-mail is "ron.price@redstone.army.mil".

f. Foreign Military Sales recipients requiring clarification of action advised by this TB should contact:

(1) CW5 Joseph L. Wittstrom, Security Assistance Management, AMSAM-SA, DSN 897-0410 or (256) 313-0410. E-mail is "wittstrom-jl@redstone.army.mil".

(2) Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0408 or (256) 313-0408. Datafax is DSN 897-0411 or (256) 313-0411. E-mail "sammonssrw@redstone.army.mil".

g. After hours contact AMCOM Command Operations Center (COC) DSN 897-2066/7 or (256) 313-2066/7. Huntsville, AL is GMT minus 6 hrs.

17. Reporting of Errors and Recommended Improvements. You can improve this TB. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, US Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NP, Redstone Arsenal, AL 35898-5000. You may also submit your recommended changes by E-mail directly to ls-lp@redstone.army.mil. A reply will be furnished directly to you.

By Order of the Secretary of the Army:

Official:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
0107111

DISTRIBUTION:

To be distributed in accordance with Initial Distribution Number (IDN) 313972, requirements for TB 1-1520-237-20-228.

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whomever" <whomever@avma27.army.mil>

To: ls-lp@redstone.army.mil

Subject: DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** MO
6. **Zip:** 77777
7. **Date Sent:** 19-OCT-93
8. **Pub no:** 55-2840-229-23
9. **Pub Title:** TM
10. **Publication Date:** 04-JUL-85
11. **Change Number:** 7
12. **Submitter Rank:** MSG
13. **Submitter FName:** Joe
14. **Submitter MName:** T
15. **Submitter LName:** Smith
16. **Submitter Phone:** 123-123-1234
17. **Problem:** 1
18. **Page:** 2
19. **Paragraph:** 3
20. **Line:** 4
21. **NSN:** 5
22. **Reference:** 6
23. **Figure:** 7
24. **Table:** 8
25. **Item:** 9
26. **Total:** 123
27. **Text:**

This is the text for the problem below line 27.