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TEXT

:UNCLAS

SUBJECT - SAFETY OF FLIGHT MESSAGE, TECHNICAL, RCS CSGLD-1860(R1), ALL UH-1 SERIES AIRCRAFT, SUPPLEMENT TO UH-1-00-05 (TB 1-1520-210-30-01 DATED MARCH 2000), MANDATORY INSPECTION OF TAIL BOOM VERTICAL FIN SPAR ASSEMBLY,(UH-1-00-07) (TB 1-1520-210-20-47).

NOTE

THIS IS A SAFETY OF FLIGHT MESSAGE ISSUED IAW AR 95-1, CHAPTER 6, 1 SEP 97. THIS MESSAGE HAS NOT BEEN TRANSMITTED TO UNITS SUBORDINATE

TO ADDRESSEES. ADDRESSEES SHALL IMMEDIATELY RETRANSMIT THIS MESSAGE

TO ALL SUBORDINATE UNITS, ACTIVITIES OR ELEMENTS AFFECTED OR CONCERNED. THE RETRANSMITTAL SHALL REFERENCE THE MESSAGE.

ACTION

ADDRESSES WILL IMMEDIATELY VERIFY THIS TRANSMISSION TO CDR, AMCOM,

ATTN: AMSAM-SF-A (SOF COMPLIANCE OFFICER).

1. PRIORITY CLASSIFICATION -

NOTE

IAW AR 95-1, PARA 6-6A, MACOM COMMANDERS MAY AUTHORIZE TEMPORARY

EXCEPTION FROM SOF 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 THE CONDITION STATUS SYMBOL OF THE CITED AIRCRAFT WILL BE CHANGED TO A RED HORIZONTAL DASH //-. THE RED HORIZONTAL DASH //- entry SHALL STATE "INSPECT AIRCRAFT X-RAY INSPECTION RECORDS FOR SUBMITTAL OF

X-RAY FILMS TO AMCOM PRIOR TO NEXT FLIGHT, BUT NLT 3 APRIL 2000 IAW

UH-1-00-07 (TB 1-1520-210-20-47)." THE RED HORIZONTAL DASH //- MAY BE CLEARED WHEN BOTH THE INSPECTION IAW PARA 8 AND CORRECTION IAW

PARA 9 ARE COMPLETED. THE AFFECTED AIRCRAFT X-RAY FILMS SHALL BE

INSPECTED PRIOR TO NEXT FLIGHT, BUT NLT 3 APRIL 2000. FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS MESSAGE WITHIN THE TIME FRAME

SPECIFIED WILL CAUSE THE STATUS SYMBOL OF THE AFFECTED AIRCRAFT TO BE UPGRADED 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 - SAME AS PARA 1A.

E. MAINTENANCE TRAINERS (CATEGORY A AND B) - N/A.

F. COMPONENT/PARTS IN STOCK AT ALL LEVELS (DEPOT AND OTHERS) INCLUDING WAR RESERVES - UPON RECEIPT OF THIS MESSAGE THE MATERIEL CONDITION TAGS OF ALL ITEMS IN ALL CONDITION CODES LISTED IN PARAGRAPH 6 SHALL BE ANNOTATED TO READ "SOF UH-1-00-07 (TB 1-1520-210-20-47), SUPPLEMENT TO UH-1-00-05 (TB 1-1520-210-30-01 DATED MARCH 2000), MANDATORY INSPECTION OF TAIL BOOM VERTICAL FIN SPAR ASSEMBLY, NOT COMPLIED WITH."

(1) WHOLESALE STOCK - UPON RECEIPT OF THIS MESSAGE ALL SERVICEABLE ITEMS (CONDITION CODES //A//, //B//, //C//, //D//, AND //E//) LISTED IN PARAGRAPH 6 LOCATED IN WHOLESALE DEPOT STORAGE

SHALL BE PLACED IN CONDITION CODE //J// AND TAGGED WITH A SUSPENDED

TAG/LABEL - MATERIEL, DD FORM 1576/DD FORM 1576-1. DO NOT REMOVE ORIGINAL CONDITION TAGS.

(2) RETAIL STOCK - UPON RECEIPT OF THIS MESSAGE COMMANDERS AND OTHERS MAINTAINING RETAIL STOCK AT INSTALLATION LEVEL AND BELOW

SHALL CONTACT THE SUPPORTED AVIATION UNIT TO PERFORM THE INSPECTION

REQUIRED BY PARA 8 AND THE CORRECTION PROCEDURES OF PARA 9 ON DISCREPANT MATERIAL. DISPOSITION OF DISCREPANT MATERIAL WILL BE

LAW PARA 10D.

G. COMPONENTS/PARTS IN WORK (DEPOT LEVEL AND OTHERS) - ITEMS LISTED IN PARAGRAPH 6 IN WORK WILL NOT BE ISSUED UNTIL IN COMPLIANCE WITH THIS MESSAGE.

2. TASK/INSPECTION SUSPENSE DATE - COMPLETE THE INSPECTION LAW PARAGRAPH 8 PRIOR TO NEXT FLIGHT, BUT NLT 3 APRIL 2000, AND REPORT LAW PARAGRAPH 14B AS APPLICABLE.

3. REPORTING COMPLIANCE SUSPENSE DATE - NO LATER THAN 7 APRIL 2000

LAW PARA 14A OF THIS MESSAGE.

4. SUMMARY OF PROBLEM -

A. SOF UH-1-00-05 (TB 1-1520-210-30-01 DATED MARCH 2000)

REQUIRED UNITS NOT UTILIZING AN ARNG AVCRAD X-RAY INSPECTION TEAM

TO SUBMIT SAMPLE X-RAYS OF UH-1 VERTICAL FIN SPARS FOR REVIEW BY

AMCOM. THE RESULTS OF THOSE REVIEWS SHOW THAT THE X-RAY PROCEDURES ARE NOT BEING PERFORMED CORRECTLY BY A SIGNIFICANT PORTION OF THOSE X-RAY INSPECTION ENTITIES. APPROXIMATELY 70 PERCENT OF THOSE FILMS REVIEWED HAVE BEEN FOUND "NOT ACCEPTABLE" FOR USE IN DETERMINING THE SERVICEABILITY OF THE SPAR.

B. FOR MANPOWER/DOWNTIME AND FUNDING IMPACTS SEE PARA 12.

C. THE PURPOSE OF THIS MESSAGE IS TO -

- (1) PROVIDE INSTRUCTIONS TO UNITS THAT HAVE PREVIOUSLY SUBMITTED X-RAYS FOR REVIEW.
- (2) REQUIRE SUBMITTAL OF THE MOST RECENT SET OF X-RAYS FOR ALL EFFECTED AIRCRAFT "NOT" PREVIOUSLY REVIEWED BY AMCOM.
- (3) CHANGE THE STATUS SYMBOL OF THOSE AIRCRAFT THAT HAVE "NOT" HAD THEIR X-RAYS REVIEWED TO RED //X//.
- (4) REQUIRE FOLLOW-ON RE-INSPECTION X-RAYS TO BE SUBMITTED FOR REVIEW.

5. END ITEMS TO BE INSPECTED - ALL UH-1 SERIES AIRCRAFT.

6. ASSEMBLY COMPONENTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
TAIL BOOM ASSEMBLY	205-032-800-71	1560-00-483-1273
TAIL BOOM ASSEMBLY	205-032-800-101	1560-01-160-6623
TAIL BOOM FIN ASSY	205-030-899-109	1560-00-482-9100

7. PARTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
TAIL BOOM FIN SPAR	205-030-846-49	1560-00-428-7321
TAIL BOOM FIN SPAR	205-030-846-7	1560-00-431-8495

8. INSPECTION PROCEDURES -

NOTE

CONTACT THE LOGISTICAL POC LISTED AT PARA 16B FOR INFORMATION ON AMCOM APPROVED INSPECTION TEAMS.

A. DETERMINE IF THE MOST RECENT X-RAY INSPECTIONS FOR EACH AIRCRAFT WERE PERFORMED BY -

- (1) AN ARNG AVCRAD X-RAY TEAM.
- (2) OTHER AMCOM APPROVED SOURCES.
- (3) AN OTHER SOURCE (PRIVATE OR GOVERNMENT).

B. IF THE MOST RECENT X-RAYS WERE PERFORMED BY AN ARNG AVCRAD X-RAY TEAM OR AN AMCOM APPROVED SOURCE, THE REQUIREMENTS

OF THIS MESSAGE HAVE BEEN MET AND NO FURTHER ACTION IS NECESSARY.

C. IF THE MOST RECENT, OR ANY FUTURE X-RAYS, ARE PERFORMED BY ANY OTHER SOURCE (PRIVATE OR GOVERNMENT) -

- (1) FOR EACH AIRCRAFT THAT HAS HAD X-RAYS SUBMITTED FOR

REVIEW IAW SOF UH-1-00-05 (TB 1-1520-210-30-01 DATED MARCH 2000), REFER TO PARAGRAPH 9A AND 9C.

(2) FOR EACH AIRCRAFT THAT HAS "NOT" HAD X-RAYS SUBMITTED FOR REVIEW IAW SOF UH-1-00-05 (TB 1-1520-210-30-01 DATED MARCH 2000), REFER TO PARAGRAPH 9B AND 9C.

9. CORRECTION PROCEDURES -

NOTE

CONTACT THE LOGISTICAL POC LISTED AT PARA 16B, FOR INFORMATION ON AMCOM APPROVED NDT LEVEL III INSPECTORS, AND WHERE TO SEND THE X-RAYS.

A. FOR EACH AIRCRAFT THAT HAS HAD X-RAYS PREVIOUSLY SUBMITTED

FOR REVIEW IAW SOF UH-1-00-05 (TB 1-1520-210-30-01 DATED MARCH 2000)-

(1) THE UNIT WILL BE NOTIFIED BY SEPARATE OFFICIAL CORRESPONDENCE FROM AMCOM AS TO THE ACCEPTABILITY OF THE X-RAYS AND

ANY FURTHER ACTIONS REQUIRED.

(2) IMMEDIATELY UPON RECEIPT OF THIS SOF MESSAGE (UH-1-00-07), ANY UNIT THAT HAS NOT BEEN NOTIFIED IAW PARAGRAPH 9A(1) THAT

ALL 3 X-RAY FILMS ARE ACCEPTABLE WILL CHANGE THE AIRCRAFT STATUS

SYMBOL TO RED //X//. THE RED //X// ENTRY SHALL STATE, "AIRCRAFT GROUNDED PENDING AMCOM REVIEW OF VERTICAL STABILIZER X-RAYS." THE

AIRCRAFT SHALL REMAIN ON RED //X// STATUS PENDING NOTIFICATION BY

AMCOM REGARDING THE RESULTS OF THE REVIEW AND FURTHER INSTRUCTIONS.

B. FOR EACH AIRCRAFT THAT HAS "NOT" HAD X-RAYS PREVIOUSLY SUBMITTED FOR REVIEW IAW SOF UH-1-00-05 (TB 1-1520-210-30-01 DATED MARCH 2000) -

(1) THE EFFECTED AIRCRAFT SHALL BE PLACED IN A RED //X// STATUS PENDING NOTIFICATION BY AMCOM REGARDING THE RESULTS OF THE

REVIEW AND FURTHER INSTRUCTIONS. THE RED //X// MAY BE CLEARED ONLY

IF UNITS HAVE BEEN NOTIFIED BY AMCOM THAT ALL 3 X-RAY FILMS FOR A

PARTICULAR AIRCRAFT/TAILOOM ARE ACCEPTABLE.

(2) THE UNIT WILL SUBMIT THE MOST RECENT SET OF X-RAYS (EXPOSURES #1, #2, AND #3) FOR EACH AIRCRAFT TO AMCOM FOR REVIEW.

(3) UNITS WILL INCLUDE WITH THE SUBMITTED FILM A POINT OF CONTACT WITH E-MAIL, PHONE/FAX NUMBER AND RETURN ADDRESS IN ORDER TO

RECEIVE A TIMELY REPORT OF THE RESULTS, AND THE NAME OF THE

ORGANIZATION/COMPANY PERFORMING RADIOGRAPHIC INSPECTIONS.

C. X-RAY FILM FROM SUBSEQUENT RE-INSPECTIONS (EVERY 75 HOURS), UNLESS PERFORMED BY AN APPROVED AMCOM SOURCE, SHALL BE SUBMITTED TO AMCOM FOR REVIEW NLT 10 DAYS AFTER RE-INSPECTIONS ARE COMPLETED. THE STATUS SYMBOL OF THE AIRCRAFT SHALL NOT CHANGE DURING THE SUBSEQUENT

REVIEW PROCESS. UNITS WILL RECEIVE SEPARATE NOTIFICATION OF THE RESULTS OF THE REVIEW WITH FURTHER INSTRUCTIONS AS REQUIRED.

D. THIS MESSAGE IS NOT APPLICABLE TO FOREIGN MILITARY SALES CUSTOMERS.

10. SUPPLY/PARTS AND DISPOSITION -

A. PARTS REQUIRED - N/A.

B. REQUISITIONING INSTRUCTIONS - N/A.

C. BULK AND CONSUMABLE MATERIALS - N/A.

D. DISPOSITION - DEMILITARIZE/MUTILATE IAW TM 1-1500-328-23

ANY PART/COMPONENT WHICH DOES NOT MEET INSPECTION CRITERIA.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

11. SPECIAL TOOLS AND FIXTURES REQUIRED - N/A.

12. APPLICATION -

A. CATEGORY OF MAINTENANCE - AVUM.

B. ESTIMATED TIME REQUIRED TO CONDUCT RECORDS CHECK - TOTAL OF 0.5 MAN-HOURS USING 1 PERSON.

C. ESTIMATED COST IMPACT TO THE FIELD - N/A.

D. TB/MWOS TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS INSPECTION - TB 1-1520-210-30-01 DATED MARCH 2000.

E. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS INSPECTION - N/A.

13. REFERENCES -

A. UH-1-00-05.

B. TB 1-1520-210-30-01 DATED MARCH 2000.

NOTE

TB 1-1520-210-30-01 DATED MARCH 2000 IS AVAILABLE FOR VIEWING ON THE UTILITY HELICOPTERS WEB PAGE. THE URL ADDRESS IS: "WWW.UHPO.REDSTONE.ARMY.MIL". GO TO SAFETY, THEN UH-1 IROQUOIS INFORMATION. ACCESS TO THE WEB SITE IS CONTROLLED. PROCEDURES TO OBTAIN LOGON ID ARE ACCESSIBLE BY CLICKING THE REGISTER BUTTON.

C. TM 1-1500-328-23

14. RECORDING AND REPORTING REQUIREMENTS -

A. REPORTING COMPLIANCE SUSPENSE DATE (AIRCRAFT) - UPON ENTERING REQUIREMENTS OF THIS MESSAGE ON DA FORM 2408-13-1 ON ALL

OR AVIATION SAFETY ACTION MESSAGE.

1. REFERENCE:

A. 081544Z FEB 00, SUBJECT: SAFETY OF FLIGHT MESSAGE, TECHNICAL, RCS CSGLD-1860(R1), ALL UH-1 SERIES AIRCRAFT, REVISION TO UH-1-99-03 (TB 1-1520210-30-01, DATED 9 JUN 99), MANDATORY INSPECTION OF TAIL BOOM VERTICAL FIN SPAR ASSEMBLY, UH-1-00-05 (TB 1-1520-210-30-01)

B. 171200Z MAR 00, SUBJECT: SAFETY OF FLIGHT MESSAGE, TECHNICAL, RCS CSGLD-1860(R1), ALL UH-1 SERIES AIRCRAFT, SUPPLEMENT TO UH-1-00-05 (TB 1-1520-210-30-01, DATED MARCH 2000), MANDATORY INSPECTION OF TAIL BOOM VERTICAL FIN SPAR ASSEMBLY, UH-1-00-07 (TB 1-1520-210-20-47).

2. FIELD DATA RECEIVED AS A RESULT OF REF 1A INDICATED THE VERTICAL FIN SPAR INSPECTION PROCEDURE WAS MORE CHALLENGING THAN INITIALLY THOUGHT AND THAT A SIGNIFICANT PORTION OF THE X-RAY FILMS USED TO RETURN AIRCRAFT TO FLIGHT STATUS (IAM SOF MESSAGE UH-1-99-03) MAY HAVE BEEN UNACCEPTABLE FOR USE IN DETERMINING THE SERVICEABILITY OF THE SPAR. UH-1-00-07 (REF 1B) REQUIRED SUBMITTAL OF THE MOST RECENT SET OF X-RAYS FOR EACH AIRCRAFT FROM UNITS NOT UTILIZING AN ARNG AVCRAD INSPECTION TEAM. IAM UH-1-00-07, EFFECTED AIRCRAFT ARE GROUNDED UNTIL FILMS ARE REVIEWED BY AMCOM NDT CENTER OF EXCELLENCE (COE).

3. SEVERAL QUESTIONS HAVE ARISEN REGARDING THE CURRENT FILM REVIEW PROCESS. CLARIFICATION FOLLOWS -

A. DO NOT SEND FILMS TO THE AMCOM SAFETY OF FLIGHT COMPLIANCE OFFICE, IT WILL DELAY THE REVIEW PROCESS. CONTACT MR. MARK HARAGAN, LOGISTICS POC FOR UH-1-00-07, FOR CORRECT MAILING INSTRUCTIONS. THIS WILL BE ESPECIALLY IMPORTANT FOR FUTURE REVIEWS SINCE THERE MAY BE MULTIPLE LOCATIONS BEING UTILIZED FOR THE REVIEW.

B. AFTER THE FILMS ARE REVIEWED BY THE NDT COE THEY WILL BE RETURNED TO THE SUBMITTING UNIT FOR RETENTION AND THE RESULTS PROVIDED SEPARATELY VIA UH-1 PWO MEMORANDUM. FOR THIS REASON IT IS IMPORTANT THAT COMPLETE, CORRECT UNIT IDENTIFICATION, MAILING ADDRESS INFORMATION AND POC INFORMATION (INCLUDING TELEPHONE AND FAX NUMBERS) BE INCLUDED WITH THE FILMS WHEN SUBMITTED.

C. THE INITIAL FILM REVIEW CONDUCTED AS THE RESULT OF SOF UH-1-00-05 WAS INTENDED TO BE A SAMPLING OF REPRESENTATIVE FILMS. CONSEQUENTLY UNITS THAT SUBMITTED MULTIPLE SETS OF FILM MAY NOT HAVE HAD ALL OF THEM REVIEWED. ANY AIRCRAFT WHOSE MOST RECENT X-RAY FILMS WERE NOT REVIEWED AND RESULTS ANNOTATED ON THE EVALUATION REPORT MUST BE RESUBMITTED FOR REVIEW IAM UH-1-00-07.

D. ONLY UNITS WHOSE X-RAY INSPECTIONS WERE PERFORMED BY ARNG AVCRAD INSPECTION TEAMS, OR HAVE BEEN NOTIFIED BY MEMO FROM THE UH-1 PM OFFICE THAT THEY ARE CONSIDERED AN "AMCOM APPROVED SOURCE", ARE EXEMPT FROM SUBMISSION OF FILMS. ALL OTHERS MUST SUBMIT X-RAY FILMS BY THE 3 APRIL 00 TASK/INSPECTION SUSPENSE DATE IAM UH-1-00-07.

E. SOME UNITS HAVE INTERPRETED APPROVAL OF SPECIFIC AIRCRAFT FILM SETS AS EXEMPTION FROM FURTHER REVIEW FOR ALL AIRCRAFT, THIS IS INCORRECT. BASED UPON THE NDT COE'S REVIEW OF FILMS SUBMITTED IN RESPONSE TO SOF MESSAGES UH-1-00-05 AND UH-1-00-07, AS WELL AS THEIR CONTINUING OVERSIGHT AND REVIEW OF RADIOGRAPHIC CAPABILITY, THE NDT COE MAY RECOMMEND ADDITIONAL UNITS TO BE EXEMPT FROM FUTURE SUBMITTAL OF FILMS FOR REVIEW. UNITS SO DESIGNATED WILL

BE NOTIFIED AT THAT TIME BUT UNTIL THEN, MUST CONTINUE TO SUBMIT X-RAY FILMS FOR REVIEW IAW UH-1-00-07.

4. THIS OFFICE HAS RECEIVED INFORMATION FROM VARIOUS AIR NATIONAL GUARD UNITS THAT THEY ARE PERFORMING REQUIRED XRAYS WITHOUT THE BENEFIT OF THE WRITTEN PROCEDURES SPECIFIED BY THE SOF. IT IS CRITICAL THAT FIELD UNITS (ARMY) UTILIZING AIR GUARD OR CONTRACTOR PERSONNEL TO PERFORM REQUIRED XRAYS, FURNISH A COPY OF THE SOF MESSAGES AND THE APPLICABLE TB TO THESE PERSONNEL PRIOR TO PERFORMANCE.

5. TO ASSIST UNITS IN THE INSPECTION AND EVALUATION OF RADIOGRAPHS FOR THE UH-1 VERTICAL FIN SPAR INSPECTION, A FILM REVIEW CHECKLIST AS WELL AS A LIST OF COMMON DISCREPANCIES NOTED DURING THE CURRENT REVIEW HAS BEEN PREPARED. THESE WILL BE AVAILABLE THROUGH THE LARS AND WILL ALSO BE POSTED TO THE UTILITY HELICOPTERS WEBPAGE. THE URL ADDRESS IS "HTTP://WWW.UHPO.REDSTONE.ARMY.MI.ISL". ACCESS TO THE WEBSITE IS CONTROLLED. IF YOU DO NOT ALREADY HAVE ACCESS, PROCEDURES TO OBTAIN LOGON ID ARE ACCESSIBLE BY CLICKING THE REGISTER BUTTON.

6. THE AMCOM NDT COE IS SPONSORING A TRAINING SESSION ON PROPER PROCEDURES NECESSARY FOR SHOOTING AND DEVELOPING X-RAYS IAW SOF MESSAGES UH-1-99-03 AND UH-1-00-05. THE TRAINING WILL BE HOSTED BY THE MISSOURI AVCRAD DURING THE WEEK OF 10-14 APRIL 00.

A. IT IS HIGHLY RECOMMENDED THAT UNITS PERFORMING THEIR OWN INSPECTIONS AND HAVING DIFFICULTY OBTAINING ACCEPTABLE X-RAYS TAKE ADVANTAGE OF THIS TRAINING TO IMPROVE THEIR RADIOGRAPHIC EXPERTISE. IN ADDITION, UNITS UTILIZING CONTRACT SUPPORT SHOULD CONSIDER SENDING A REPRESENTATIVE TO LEARN FILM INTERPRETATION BASICS. THIS WILL ENABLE UNIT LEVEL PERSONNEL TO IDENTIFY PROBLEM AREAS ON THE RADIOGRAPHS AND BETTER DETERMINE IF THEIR CONTRACTORS ARE PERFORMING INSPECTIONS IAW SOF CRITERIA.

B. ATTENDEES NEED TO MAKE THEIR OWN TRAVEL AND LODGING ARRANGEMENTS. EACH ATTENDEE MUST BRING HIS OWN PERSONAL DOSIMETRY BADGE. INTERESTED PARTIES SHOULD CONTACT THE NDT COE, MS SANDRA RATLEY, DSN 788-8043, CML 256-842-8043, TO CONFIRM ATTENDANCE OR TO OBTAIN LODGING INFORMATION.

7. POINT OF CONTACT, MR. WALLY NEWCOMB, APM UH-1, DSN 645-8769, COMMERCIAL (205) 955-8769.