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 //I// 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 IAW 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 IAW PARAGRAPH 8 PRIOR TO NEXT FLIGHT, BUT NLT 3 APRIL 2000, AND REPORT IAW PARAGRAPH 14B AS APPLICABLE.
3. REPORTING COMPLIANCE SUSPENSE DATE - NO LATER THAN 7 APRIL 2000 IAW 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 AVCRA D 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
   AVCRA D 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/TAILBOOM 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
   E. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS
INSPECTION - N/A.
13. REFERENCES -
   A. UH-1-00-05.
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. 0815442 FEB 00, SUBJECT: SAFETY OF FLIGHT MESSAGE, 
      TECHNICAL, RCS CSGLD-1860(R1), ALL UN-1 SERIES AIRCRAFT, REVISION 
      TO UN-1-99-03 (TB 1-1520210-30-01, DATED 9 JUN 99), MANDATORY 
      INSPECTION OF TAIL BOOM VERTICAL FIN SPAR ASSEMBLY, UN-1-00-05 
      (TB 1-1520-210-30-01)
   B. 171202B MAR 00, SUBJECT: SAFETY OF FLIGHT MESSAGE, TECHNICAL, 
      RCS CSGLD-1860(R1), ALL UN-1 SERIES AIRCRAFT, SUPPLEMENT TO 
      UN-1-00-05 (TB 1-1520-210-30-01, DATED MARCH 2000), MANDATORY 
      INSPECTION OF TAIL BOOM VERTICAL FIN SPAR ASSEMBLY, UN-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 SOP MESSAGE 
   UN-1-99-03) MAY HAVE BEEN UNACCEPTABLE FOR USE IN DETERMINING THE 
   SERVICEABILITY OF THE SPAR. UN-1-00-07 (REF 1B) REQUIRED 
   SUBMITAL OF THE MOST RECENT SET OF X-RAYS FOR EACH AIRCRAFT FROM 
   UNITS NOT UTILIZING AN ARNG AVCRAD INSPECTION TEAM. IAM UN-1-00-07, 
   EFFECTED AIRCRAFT ARE GROUNDED UNTIL FILMS ARE REVIEWED BY 
   AMCOM NDT CENTER OF EXCELLENCE (COE).

3. SEVERAL QUESTIONS HAVE ARISED 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 HABAGAN, LOGISTICS POC FOR UN-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 UN-1 PMO 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 SOP UN- 
      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 UN-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 
      UN-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 UN-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 SOP MESSAGES UN-1-00-05 AND UN-1-00-07, AS WELL AS 
      THEIR CONTINUING OVERSIGHT AND REVIEW OF RADILOGIC 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 AVMCRAD DURING THE WEEK OF 10-14 APRIL 00.

A. IT IS HIGHLY RECOMMENDED THAT UNITS PERFORMING THEIR OWN INSPECTIONS AND HAVING DIFFICULTY OBTAINING ACCEPTABLE XRAYS 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.