USDA FOREST SVC AVIATION FIRE MGMT
3905 VISTA AVE
BOISE ID 83705

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FM CERAVISION ST LOUIS MO //AMSAT-V5OF//
TO RUCIFRA/USDA FOREST SERVICE AVIATION FIRE MGMT
//3905 VISTA AVE BOISE ID 83705//
DA-BDCVBA
UNCLAS
SECTION 01 OF 02
SUBJECT - AVIATION SAFETY ACTION MESSAGE, INFORMATIONAL. ALL UH-1 SERIES AIRCRAFT, ALTERNATE METHOD OF TRACKING TAIL ROTOR BLADES USING FIXED LENGTH TAIL ROTOR PITCH CHANGE LINKS.
(UH-1-91-ASAM-08)
NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE AND HAS NOT BEEN PAGE 02 RUCIFRO5531 UNCLAS
TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES. ADDRESSEES SHOULD IMMEDIATELY RETRANSMIT THIS MESSAGE TO ALL SUBORDINATE UNITS, ACTIVITIES OR ELEMENTS AFFECTED OR CONCERNED. THE RETRANSMITIAL SHALL REFERENCE THE MESSAGE.
1. PRIORITY CLASSIFICATION -
A. AIRCRAFT IN USE - N/A.
B. AIRCRAFT IN DEPOT MAINTENANCE - N/A.
C. AIRCRAFT UNDERGOING MAINTENANCE - N/A.
D. AIRCRAFT IN TRANSIT -
   (1) SURFACE/AIR SHIPMENT - N/A.
   (2) FERRY STATUS - N/A.
E. MAINTENANCE TRAINERS (CATEGORY A, B AND C) - N/A.
F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT ALL LEVELS (DEPOT AND OTHERS) - N/A.
G. TASK/INSPECTION SUSPENSE DATE - N/A.
H. REPORTING COMPLIANCE SUSPENSE DATE - N/A.
2. SUMMARY OF PROBLEM -
A. THE NEW TAIL BLADE TRACK AND BALANCE EQUIPMENT CURRENTLY BEING ISSUED TO THE FIELD DOES NOT INCLUDE TRACKER LIGHT PROVISIONS IN ALL VISUAL TRACKING OF THE UH-1 TAIL ROTOR. THEREFORE AN OPTION TO INTEGRATE LIGHTS CAN BE CONSIDERED.
B. ALTERNATE OPTION FOR SETTING THE PITCH LINKS ON THE TAIL ROTOR BLADES HAS BEEN DEVELOPED.
C. RESEARCH AND TESTS HAVE SHOWN THAT SETTING THE PITCH LINK USING A FIXED LENGTH ACCOMPLISHES TAIL ROTOR TRACKING.
D. MEETING IN THIS MANNER IS TO PROVIDE THE

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ALTERNATE PROCEDURE FOR SETTING THE TAIL ROTOR PITCH CHANGE LINKS.
5. END ITEMS EFFECTED - ALL UH-1 SERIES AIRCRAFT.
6. ASSEMBLY / COMPONENT EFFECTED -
   N/A.
7. PARTS TO BE INSPECTED - N/A.
8. INSPECTION PROCEDURES - N/A.
9. CORRECTION PROCEDURES
   a. THE CHANGES TO TM 55-1520-210-23-1 AND TM 55-1520-220-23-1
   ARE AS FOLLOWS
      (1) CHANGE THE FIRST NOTE AFTER PG 5-147, PARA 5-124 OF TM
      TO READ
         "AFTER REPLACEMENT OR INSTALLATION OF TAIL ROTOR HUB BLADES OR
         PITCH CHANGE SYSTEMS, CHECK TAIL ROTOR RIGGING AND SET PITCH LINKS
         TO 2.11 INCHES BETWEEN THE JAM NUTS. TAIL ROTOR TIP CLEARANCE SHALL
         BE CHECKED AND BOTH PITCH LINKS ADJUSTED IF NECESSARY. THIS
         PROCEDURE MAY BE USED INSTEAD OF TRACKING THE TAIL ROTOR BLADES
         USING A STROBE LIGHT.
      (2) CHANGE THE FIRST NOTE AFTER PG 5-140, PARA 5-139 OF TM
      TO READ
         "TAIL ROTOR MUST BE IN TRACK OR PITCH LINKS SET TO 2.11 INCHES
         BETWEEN JAM NUTS BEFORE BALANCING."
   b. THE CURRENT PROCEDE FOR TRACKING THE TAIL ROTOR BLADES IS
      NOT BEING REMOVED FROM THE ABOVE MANUALS. INTRODUCTION OF THE
      ALTERNATE PROCEDURE DOES NOT PRECLUDE UNITS FROM USING THE CURRENT
      PROCEDURE AS LONG AS THE EQUIPMENT TO PERFORM TRACKING IS AVAILABLE.
10. SUPPLY/Parts AND DISPOSITION - N/A.
11. SPECIAL Tools, JIGS AND Fixtures REQUIRED - N/A.
12. APPLICATION -
   a. CATEGORY OF MAINTENANCE - AVIH.
   b. TIME REQUIRED - N/A.
   c. TB/WWG TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS
      INSPECTION - N/A.
13. REFERENCES -

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