



DEPARTMENT OF THE NAVY
COMMANDER
TRAINING AIR WING FIVE
7480 USS ENTERPRISE STREET SUITE 205
MILTON, FLORIDA 32570-6017

IN REPLY REFER TO

COMTRAWINGFIVEINST 4790.3A
N3

COMTRAWING FIVE INSTRUCTION 4790.3A

From: Commander, Training Air Wing FIVE

Subj: CROSS COUNTRY, MAINTENANCE, GROUND OPERATIONS AND CONTRACT
POLICY INSTRUCTION FOR T-34/T-6/TH-57 PILOTS AND FLIGHT CREW

Ref: (a) NAVSUPPINST 4200.97
(b) COMTRAWINGFIVEINST 3710.2S
(c) COMTRAWINGFIVEINST 3710.8Q
(d) COMNAVAIRFORINST 4790.2A
(e) COMTRAWINGFIVEINST 4200.2
(f) CNATRAININST 3710.2U

Encl: (1) Items Not Covered in Standard T-34C NATOPS Pre-Flight
Inspection
(2) Items Not Covered in Standard T-6B NATOPS Pre-Flight
Inspection
(3) Items Not Covered in Standard TH-57B/C NATOPS Pre-Flight
Inspection
(4) Cross Country Designation

1. Purpose. To enhance safety during T-34/T-6/TH-57 flight evolutions that include intermediate stops away from home station. To provide enhanced training on procedures necessary for qualifying pilots/aircrew to conduct T/M/S NATOPS pre-flight inspections on T-34/T-6/TH-57 aircraft. Provide detailed guidance on additional cross country guidance and contract fuel requirements per references (a), (b) and (c). Provide guidance on the administration of required training to support the aforementioned requirements.

2. Cancellation. COMTRAWINGFIVEINST 4790.3.

2. Scope. This instruction applies to all personnel in an active flight status, operating aircraft assigned to Training Air Wing (TRAWING) FIVE on all flights away from home field.

3. Discussion. A significant portion of the training conducted in TRAWING FIVE occurs away from home field during weekday "out and ins" or weekend cross-country flights. A prudent Operational Risk Management (ORM) effort to ensure our aircraft are safe for flight is to incorporate some or all of the Daily/Turnaround Inspection items into the pilot's pre-flight inspections. Therefore, Daily/Turnaround Inspection training will be provided to all instructor pilots.

Reference (d) provides authorization for Pilots-in-Command to sign Safe-for-Flight certification for a maximum of 72 hours when away from home base. Should the flight be delayed and/or exceed the 72 hour restriction, maintenance personnel shall be contacted to perform a new Daily Inspection. Reference (a) provides detailed explanation of ground operation and fueling requirements during cross country operations requiring contract fuel and support. As noted in reference (e), https://aviation.multiservice.com/cgi-bin/mscavi_location_lookup.cgi should be used to determine specific contract items for the destination FBO.

4. Responsibilities. Pilots shall adhere to policies on Daily and Turnaround Inspections as they apply to multi-sortie, multi-day flight missions as stipulated in reference (d).

a. TRAWING FIVE FITU and HITU shall provide initial training on policies provided in references (a) through (f) and utilize enclosures (1), (2) and (3) along with T-34/T-6/TH-57 Daily and Turnaround Inspection cards for further pre-flight training.

b. TRAWING FIVE Squadron Commanding Officers shall coordinate with the FITU or HITU respectively for training of squadron instructor pilots who have already completed the IUT syllabus.

c. TRAWING FIVE Aircrews shall perform additional inspection items denoted on enclosures (1), (2) or (3) based on type aircraft during turnaround inspections in conjunction with "out and in", intermediate stopovers or cross country flight evolutions. All instructor pilots shall receive a kneeboard scale copy of enclosure (1), (2) or (3) as provided by the FITU or HITU to reference during training and in the execution of the inspections.

5. Action. T-34C, T-6B and TH-57B/C Daily/Turnaround Inspections are very similar to the standard T/M/S NATOPS Inspections, with the exception of the items listed in enclosures (1), (2) and (3). Squadron Commanding Officers shall ensure all pilots-in-command conducting cross country flights are cross country designated. The Fixed-Wing Instructor Training Unit (FITU) and the Helicopter Instructor Training Unit (HITU) Officers-in-Charge shall coordinate monthly training for FITU and HITU Instructors Under Training (IUTs).

a. The Cross Country Designation, enclosure (4), shall be initiated for all instructor pilots assigned to FITU/HITU for instruction, as well as TRAWING FIVE, and NASWF staff in an active flight status. Approval for cross country evolutions will not be granted until the pilot in command has achieved Cross Country Designation on their respective aircraft.

b. The Cross Country Designation form shall be filed in the member's NATOPS Flight Jacket.

c. Enclosures (1), (2) and (3) shall be provided in kneeboard scale to each IUT and squadron instructor pilot prior to training.

d. Appropriate maintenance Daily inspection Cards shall be included in all TRAWING FIVE Cross Country fuel packets.


J. L. VANDIVER

Distribution:
COMTRAWINGFIVEINST 5216.1S
Lists I(b), II, III(a,h,i)

**ITEMS NOT COVERED IN STANDARD T-34
NATOPS PRE-FLIGHT INSPECTION**

- Item 1 Fuel Sample - obtain and inspect.
- Item 3.a.b Engine controls for operation. Move engine control levers in both cockpits through full range of travel checking for binding and free movement.
- Item 3.1.b Flight controls (including Tabs) check for free movement. If excessive friction is found, LPS-1 lubricant (or suitable substitute) can be used at hinge points.
- Items 4.f.2 & 7.e.2 Fuel anti-siphon valve gasket. Remove fuel cap and check gasket for damage/security. L/H and R/H wings.
- Items 4.k & 8.i Check brake caliper bolts on L/H & R/H MLG for safety wire.
- Items 4-note 7 & 8-note 13 Check for presence of preservative on flight control cables in L/H and R/H wheel wells, this is a brownish yellow sticky substance coating the cables.
- Item 5.a Hydraulic fluid (reservoir located just forward of front cockpit canopy). Open Zeus fastener and inspect filler area for leaks/security.
- Item 6.i "V" brace on nose landing gear. The side and lower aft right-hand portion of the "V" brace in and around the area where the preservative filler is located shall be visually for cracks and signs of leakage/weeping.
- Item 7-Note 10 Open L/H and R/H aft cowl doors and reach inside the upper forward cowling and physically lift the aft corners of the upper forward cowling to determine if it is secure.

**ITEMS NOT COVERED IN STANDARD T-6
NATOPS PRE-FLIGHT INSPECTION**

- Item 1 Fuel Sample - obtain and inspect.
- LEFT WING
- Item 24 Main landing gear doors anti-chafe tape for condition.
- FORWARD FUSELAGE
- Item 13 Spring strut retainer pin and safety wire for security (2 places).
- Item 14 Spring strut rod bracket for condition and security.
- Item 15 Ensure spring strut piston bell is in contact with conical washer stack on spring strut cartridge.
- RIGHT WING
- Item 7 Main landing gear doors anti-chafe tape for condition.
- AFT FUSELAGE/EMPENNAGE
- Item 18 Using flashlight, visually inspect left, right, middle, and outboard elevator hinge areas for chafing, security, and evidence of bearing migration from bearing barehole.
- FORWARD COCKPIT
- Item 26 Forward battery circuit breaker panel, make sure collars are installed on circuit breakers. AIL/EL TRIM, RUD TRIM, IAC 1, and prop SYS.
- Item 27 Forward general circuit breaker panel, make sure collar is installed on circuit breaker IAC 2.

**ITEMS NOT COVERED IN STANDARD TH-57B/C
NATOPS PRE-FLIGHT INSPECTION**

- Item 8.1.2 Fuel Sample - obtain and inspect.
- Item 8.3.8.b Perform fuel boost pump check:
- (1) Both boost pump circuit breakers IN.
 - (2) Fuel switch in ON position/switch guard pin security.
 - (3) Fuel pressure above 4 PSI.
 - (4) Pull AFT boost circuit breaker. Check for illumination of FUEL BOOST caution light segment.
 - (5) Pull FWD boost pump circuit breaker. Note continued caution light.
 - (6) Reset AFT boost pump circuit breaker, fuel pressure about 4 PSI. Note continued caution light.
 - (7) Reset FWD boost pump circuit breaker. Note caution light out.
 - (8) Press to test button on airframe fuel filter. **NOTE:** Fuel caution light illuminates.
- WARNING: AT LEAST ONE FUEL BOOST PUMP MUST BE ON WHILE DRAINING AIRFRAME FUEL FILTER.**
- (9) Drain airframe fuel filter.
- Item 8.4.3 Avionics shelf:
- (1) ICS amplifiers for security.
 - (2) Voltage regulator for security and attached wires for tightness.
 - (3) Shelf for FOD and curtain/panel for Velcro attachment.
- Item 8.12.1 Place tail rotor control in full right position and clean exposed portion of pitch change shaft with a clean cloth.

CROSS COUNTRY DESIGNATION		
PART I - REQUEST		
1. NAME - LAST, FIRST, MI		2. RANK/GRADE
3. TYPE/MODEL/SERIES	4. SQUADRON	5. DATE OF INSTRUCTION
PART II - CERTIFICATION		
6. SIGNATURE OF MEMBER		6a. DATE
7. SIGNATURE OF INSTRUCTOR		7a. DATE
The member in Part I has satisfactorily completed all established indoctrination and training programs for the requested designation. Approval of his/her designation is recommended.		
PART III - APPROVING OFFICIAL ACTION		
8. SIGNATURE OF COMMANDING OFFICER		8a. DATE