



## DEPARTMENT OF THE NAVY

TRAINING AIR WING ONE  
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MERIDIAN, MS 39309-5403

TRAINING AIR WING TWO  
614 MCCAIN ST. SUITE 310  
KINGSVILLE, TX 78363-5038

COMTRAWINGONEINST 3710.15D/  
COMTRAWINGTWOINST 3710.13G  
N7

COMTRAWING ONE INSTRUCTION 3710.15D  
COMTRAWING TWO INSTRUCTION 3710.13G

Subj: T-45 GOSHAWK ORIENTATION/RIDER FLIGHT PROGRAM

Ref: (a) OPNAVINST 3710.7U  
(b) CNAF 251230Z FEB 10  
(c) CNATRAININST 3710.2U

Encl: (1) Orientation Flight Request  
(2) Rear Cockpit Familiarization Checklist  
(3) Back Seat Qualification Checklist  
(4) Endorsement of Orientation Flight Request  
(5) Orientation Flight Request to CNATRA

1. Purpose. To delineate specific requirements for personnel to fulfill who are not NATOPS qualified in the T-45 prior to being authorized to fly in any T-45 aircraft. This instruction is not applicable to Student Naval Aviators (SNAs) executing a CNATRA syllabus event. Additionally, this instruction outlines the order of precedence for assigning back seats to personnel (strictly on a not-to-interfere-with-training basis) and establishes the responsibilities of the Training Air Wing Orientation Flight Coordinator.

2. Cancellation. COMTRAWINGONEINST 3710.15C/COMTRAWINGTWOINST 3710.13F

3. Discussion. The two-seat T-45 aircraft provides the opportunity to fly select personnel.

a. Orientation flights. Per reference (a), personnel selected for orientation flights are "orientees." Orientation flights shall be approved, scheduled and executed per references (a) through (c). For clarification, approval authority for certain orientation flights is as follows:

(1) CNATRA for all flights involving shipboard catapult launches and/or arrested landings.

(2) CNATRA for orientees who require a waiver for any or all elements of Naval Aviation Survival Training Program (NASTP) training.

(3) Wing Commander for Active Duty personnel in recognition of superior performance.

b. Aeronautically designated personnel.

(1) Per reference (a), Class 1 ejection seat (AV-8, EA-6, F/A-18, S-3, T-45, T-6, etc.) aeronautically designated personnel (Naval Aviator, NFO, Aircrewman, SNA, SNFO, Flt Surgeon, AMSO, etc.) are not orientees and are defined as riders provided their NASTP training is current and complete. They may be scheduled for multiple back seat rides with the approval of the squadron commanding officer or higher authority.

(2) Class 1 aeronautically designated personnel without current and complete NASTP training or class 2, 3 or 4 (non-ejection seat) aeronautically designated personnel are orientees and must comply with paragraph 3.a. above.

c. NASTP Waivers. All flight prerequisites listed in reference (a) shall be met for all orientees/riders to include NASTP requirements or equivalent training for other service members. CTW-1/CTW-2 do not have waiver authority for these prerequisites. Anyone not meeting the above limitations requires a waiver from CNATRA.

4. Flight Profiles

a. Orientation flights shall be conducted in accordance with reference (a). Most flight profiles require flights to be conducted within the local flying area, during daylight, and with weather minimums equal to or better than VFR.

b. The pilot in command shall be in physical control of the aircraft during close formation flight, takeoff, landing, or any other critical phase of flight. Pilots in command may authorize orientees/riders to fly the aircraft during other non-critical phases of flight.

5. Responsibilities

a. Personnel requesting authorization for an orientation flight, or to be a rider in a CTW-1/CTW-2 aircraft shall fulfill the requirements as specified in reference (a) and this instruction prior to flying.

(1) Complete enclosure (1) and deliver to the Orientation Flight Coordinator.

(2) Once approved, contact the Wing Operations Department/Strike Operations Officer to schedule a rear cockpit familiarization. Complete enclosure (2) and deliver to Orientation Flight Coordinator.

(3) Complete enclosure (3). Enclosure (3) must be verified complete by the Orientation Flight Coordinator.

b. The CTW-1/CTW-2 Orientation Flight Coordinator shall:

(1) Be designated in writing by the CTW-1/CTW-2.

(2) Ensure personnel requesting authorization to fly are in complete compliance with the provisions of this instruction and reference (a).

(3) Ensure enclosures (1) through (5) are completed (as applicable) prior to rider being scheduled for flight.

(4) Maintain original request package on file for a minimum of one calendar year following the actual flight.

(5) Ensure continuity of the overall Orientation/Rider Flight Program.

(6) Maintain an "Authorized to Fly" list of frequent riders including pooled SNAs who have completed enclosures (1) through (3). Ensure the list is current, and a copy provided to the Squadron/Wing Duty Officer.

(7) Review enclosure (3) of this instruction for all personnel requesting flights in the T-45 aircraft.

c. The CTW-1/CTW-2 Operations Department/Strike Operations Officer shall:

(1) Formally schedule all flights, rear cockpit orientations and seat briefs. Only highly qualified flight personnel shall be selected to conduct orientation flights.

(2) Prioritize scheduling of flights. Prioritization is as follows:

(a) Persons as directed by CTW-1/CTW-2

(b) Persons as directed by squadron Commanding Officers

(c) Instructors Under Training (IUT)

(d) Instructors

(e) SNAs with BI-12 completed

(f) Others

d. The Squadron/Wing Duty Officer shall:

(1) Assign flights according to the prioritization plan in this instruction.

(2) Ensure only the CTW-1/CTW-2 pooled SNAs listed on the "Authorized to Fly" list are assigned to a flight.

(3) Notify the CTW-1/CTW-2 Orientation Flight Coordinator when one-time-flight-authorized individuals have completed their assigned sortie.

e. The Student Control Officer shall ensure all SNAs are entered into TIMS.

f. The Public Affairs Officer (or as assigned) shall:

(1) Provide coverage for orientation flights of interest, with the intent to develop news media stories.

(2) Schedule a photographer for event coverage.

(3) Ensure the timely arrival and distribution of photographs of flight activities honoring the individual.

g. Assigned Pilot-in-Command:

(1) Thoroughly brief orientee/rider. Ensure enclosures (2) and (3) have been completed.

(2) Ensure flight gear is properly fitted to the rider and correctly worn.

(3) Review the operation of installed life support and emergency egress systems and survival equipment prior to flight. Ensure sufficient time is allotted to address these systems for individuals flying with physiology/water survival waivers.

  
KEITH T. TAYLOR

  
D. M. BROOKS

Distribution:  
COMTRAWINGONEINST 5216.4J  
List I, List II (A-E)  
COMTRAWINGTWOINST 5216.1T  
List I, List II, List III (B)

**FLIGHT REQUEST**

**Deliver to the Orientation Flight Coordinator upon completion.**

1. Name: \_\_\_\_\_
2. SSN: \_\_\_\_\_
3. Parent Command/Organization: \_\_\_\_\_
4. Business Address: \_\_\_\_\_
5. Business Phone Number: \_\_\_\_\_
6. Primary Next of Kin (PNOK): \_\_\_\_\_
7. PNOK Address: \_\_\_\_\_
8. PNOK Phone Number: \_\_\_\_\_
9. If applicable, provide copies of the following:  
\_\_\_\_ NASTP Record (CLASS 1, N6, R-1) OR CNATRA Waiver  
  
\_\_\_\_ Aeromedical Clearance Notice
10. If completed, date of T-45 Ejection Seat lecture:  
\_\_\_\_\_
11. Reason for Request:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

In accordance with SECNAVINST 5211.5E, no personal information will be released to non-government organizations or individuals, whether commercial or non-profit, without written consent of the individual concerned.

**REAR COCKPIT FAMILIARIZATION CHECKLIST**

Orienteer/Rider Name: \_\_\_\_\_

Briefer Name: \_\_\_\_\_

**Deliver to Orientation Flight Coordinator upon completion.**

	<u>Briefer Initials</u>
1. Entering cockpit	_____
2. Strapping in	_____
3. Switchology	_____
4. OBOGS	_____
5. Emergency restraint release handle	_____
6. Arming / Safing seat	_____
7. Intake danger (FOD considerations)	_____
8. Ejection Procedures	_____
9. Survival Equipment (seat pan)	_____
10. Unstrapping	_____
11. Shutdown	_____
12. Canopy operation	_____
13. Canopy detonation handle / chord	_____
14. Emergency egress	_____

I have been briefed and understand each point on this checklist

Rider Signature: \_\_\_\_\_

**BACK SEAT QUALIFICATION CHECKLIST**

NAME: \_\_\_\_\_ SSN: \_\_\_\_\_  
 PARENT COMMAND/ORGANIZATION: \_\_\_\_\_  
 BUSINESS ADDRESS: \_\_\_\_\_  
 BUSINESS PHONE NUMBER: \_\_\_\_\_ EMERGENCY POC PHONE: \_\_\_\_\_

1. This checklist must be completed prior to being scheduled as a rider. For SNA and non-SNA riders, present this checklist in person.
2. Student Naval Aviators (SNA) waiting to start training are encouraged to ride in open rear cockpits when available. The following actions shall be taken in addition to completion of this checklist:
  - a. Deliver logbook to Logs and Records.
  - b. Review the daily flight schedule to identify available flights.
  - c. Contact the Squadron/WDO to obtain permission to fly in that event.

	<u>VERIFIED BY</u>	<u>DATE</u>	<u>NOTE</u>
FLIGHT REQUEST (Non-SNA, Encl (1))	_____	_____	1
PHYSIOLOGY	_____	_____	1
WATER SURVIVAL	_____	_____	1
AEROMEDICAL CLEARANCE NOTICE	_____	_____	1
T-45 EJECTION SEAT LECTURE	_____	_____	1
CFET COMPLETE (SNA only)	_____	_____	1
REAR COCKPIT FAMILIARIZATION	_____	_____	2
TIMS ENTRY (SNA only)	_____	_____	3
GEAR FIT (Non-SNA only)      Tech: _____ Date: _____			4

Notes:

- (1) To be verified by Orientation Flight Coordinator. Persons possessing a CNATRA physiology/water survival waiver letter shall be thoroughly briefed on installed life support equipment and emergency egress systems and survival equipment by the event pilot-in-command.
- (2) Rear cockpit familiarization checklist is provided in enclosure (2) of this instruction and must accompany this document. Review and signature to be completed by the Orientation Flight Coordinator.

- (3) To be completed by the Student Control Officer to ensure SNA name is available in TIMS for entry on the flight schedule.
- (4) To be conducted and signed by appropriate ALSS Technician.
3. This completed checklist authorizes flight gear check out from ALSS.
4. Retain this completed checklist and present it to the pilot you will be flying with prior to the flight.

**ACTIVE DUTY MILITARY ENDORSEMENT OF ORIENTATION FLIGHT REQUEST**

Date \_\_\_\_\_

FIRST ENDORSEMENT ICO \_\_\_\_\_ ORIENTATION FLIGHT

1. Forwarded recommending approval/disapproval.

(Signature) \_\_\_\_\_  
Orientation Flight Coordinator

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Date \_\_\_\_\_

SECOND ENDORSEMENT

To: Commander, Training Air Wing ONE/TWO

1. Forwarded recommending approval/disapproval.

(Signature) \_\_\_\_\_  
Operations Officer

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Date \_\_\_\_\_

From: Commander, Training Air Wing ONE/TWO

To: \_\_\_\_\_

1. Your request is approved/disapproved.
2. This authorization is valid from \_\_\_\_\_ to \_\_\_\_\_ and is limited to one rear cockpit flight in the T-45 aircraft. You will be scheduled by the Strike Operations Officer. It is your responsibility to coordinate flight gear issue 24 hours prior to any orientation flight.
3. Your point of contact for coordinating this event is \_\_\_\_\_.

(Signature) \_\_\_\_\_  
Training Air Wing Commander

COMTRAWINGONEINST 3710.15D/  
COMTRAWINGTWOINST 3710.13G

ORIENTATION FLIGHT REQUEST TO CNATRA

3710  
Ser 00/  
(Date)

From: Commander, Training Air Wing ONE/TWO  
To: Chief of Naval Air Training

Subj: ORIENTATION FLIGHT ICO \_\_\_\_\_

Ref: (a) OPNAVINST 3710.7U

1. Request authorization for orientation flight for (rider name) in the T-45. Scheduling will be on a not-to-interfere-with-training basis. All requirements delineated by OPNAVINST 3710.7U have been completed.
2. Need a statement about NASTP. Either all requirements have been met or request waiver of reference (a) NASTP requirements.
2. Point of contact in regard to all matters relating to this authorization is the Training Air Wing ONE/TWO Orientation Flight Coordinator. He/she can be reached at DSN \_\_\_\_\_.

TRAINING AIR WING COMMANDER

Enclosure (5)