



DEPARTMENT OF THE NAVY

NAVAL AIR STATION OCEANA  
1750 TOMCAT BOULEVARD  
VIRGINIA BEACH, VIRGINIA 23460-2168

IN REPLY REFER TO:

NASOCEANAINST 1542.3G  
30

JUN 17 2003

NAS OCEANA INSTRUCTION 1542.3G

Subj: H-3 PILOT FLIGHT/GROUND TRAINING PROGRAM

Ref: (a) OPNAVINST 3710.7S  
(b) NAVAIR 01-230HLH-1 (UH-3H NATOPS)

Encl: (1) NAS Oceana H2P/HAC Flight Training Syllabus  
(2) H2P/HAC Required Reading  
(3) H2P/HAC Progress Report Sheet  
(4) NATOPS/Search and Rescue Training Lectures  
(5) HAC Worksheet

1. Purpose. To publish training requirements for designation as Helicopter Second Pilot (H2P) and Helicopter Aircraft Commander (HAC) in the UH-3H aircraft per references (a) and (b). Enclosures (1) through (5) provide specific training guidance.

2. Cancellation. NASOCEANAINST 1542.3F.

3. Scope. This instruction applies to all pilots designated to fly Naval Air Station (NAS) Oceana helicopters.

4. Action

a. The H-3 Pilot Flight Training Program is established to maximize pilot readiness to perform Search and Rescue (SAR) missions by building on the training that all pilots received in the Fleet Replacement Squadron (FRS). The following time limits have been set for designation as H2P and HAC:

<u>DESIGNATION</u>	<u>MAXIMUM TIME LIMITS*</u>
First tour	
H2P	12 Months
HAC	24 Months
Second tour H-3 pilot	
H2P	2 Months
HAC	6 Months
H-3 transition pilot	
H2P	3 Months
HAC	6 Months

\* From first day of the month following check-in.

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b. Waivers for time limits must be approved by Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT). Every effort shall be made by the Flight Support Officer to identify a pilot's deficiencies early and correct them through counseling and training. H2P and HAC requirements may be waived by the Commanding Officer based on his evaluation of the pilot's experience and currency.

c. H2P/HAC Syllabus Sign-Off. Enclosure (1) outlines the NAS Oceana Flight Training Syllabus that is designed to reinforce FRS training. Associated flights must be satisfactorily completed prior to qualification.

d. Syllabus Flights. The Flight Training Syllabus is designed to qualify the pilot in the most efficient way possible. Each syllabus card has items for discussion and items for inflight performance. When the co-pilot has demonstrated thorough knowledge and/or proficiency for a given item, the HAC shall initial and date the syllabus card. Return completed syllabus cards to the Naval Aviation Training and Operating Procedures Standardization (NATOPS) Officer for filing in the pilot's progress jacket.

e. First Tour Helicopter Pilots. A first tour helicopter pilot is defined as a designated helicopter pilot who has never qualified as Helicopter Aircraft Commander. First tour pilots shall complete an approved FRS training syllabus and will be designated Pilot Qualified in Model (PQM) upon completion.

f. Second Tour H-3 Pilots. A second tour H-3 pilot is defined as a designated helicopter pilot who has been previously designated a Helicopter Aircraft Commander in the H-3.

g. H-3 Transition Pilots. An H-3 transition pilot is defined as a designated helicopter pilot who has been previously designated as a Helicopter Aircraft Commander in an aircraft other than the H-3. H-3 transition pilots shall complete the approved FRS training syllabus and will be designated Pilot Qualified in Model (PQM) upon completion.

h. Minimum requirements for designation as Helicopter Second Pilot (H2P)

- (1) Completion of approved FRS Syllabus.
- (2) Basic requirements per reference (a).
- (3) Complete H2P required reading per enclosure (2).
- (4) Pass course rules and standard operating procedures (SOP) examination.

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(5) Complete the following Flight Syllabus Cards from enclosure (1):

<u>DESIGNATION</u>	<u>FLIGHT SYLLABUS CARDS</u>
Second Tour H-3 Pilot	Area FAM Day FAM Over-water SAR
H-3 Transition Pilot	Above requirements and Night FAM Instrument Navigation Overland SAR Day Doppler Night Doppler
First Tour Pilot	Above requirements and Day Navigation Night Navigation One Day Ship Landing One Night Ship Landing

Ship Operation Cards may be waived by Commanding Officer or his designated representative if DLQs are unavailable.

(6) Hold a current NATOPS qualification and instrument rating.

(7) Successfully complete the H2P check flight (First tour pilots only).

(8) Be recommended by the Senior HAC, H-3 NATOPS Officer and the Operations Officer.

i. Minimum requirements for designation as Helicopter Aircraft Commander (HAC)

(1) Be a designated H2P having met the requirements of paragraph 4.i.

(2) Basic requirements per references (a) and (b).

(3) Flight hour minimums:

500 hours total  
150 hours for rotary wing aircraft  
50 hours in model

(4) Complete HAC required reading per enclosure (2).

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(5) Complete all NAS Oceana Flight Training Syllabus Cards from enclosure (1), including two TACTS Range Support flights (one from each seat). Ship Operation Cards may be waived by Commanding Officer or his designated representative if DLQs are unavailable.

(6) Demonstrate a thorough working knowledge of local medical evacuation (MEDEVAC), utility, SAR procedures and local hospital locations.

(7) Successfully complete a HAC Board (may be waived for Second tour H-3 pilots and H-3 transition pilots by Commanding Officer or his designated authority based on experience level).

(8) Successfully complete the HAC check flight.

(9) Be recommended by the Senior HAC, H-3 NATOPS Officer and the Operations Officer.

j. Pilot Ground Training. The NATOPS Officer shall ensure training is held by assigning pilots to instruct on a given subject as indexed in enclosure (4). Any pilot who misses a lecture shall make-up the lecture with the NATOPS Officer as soon as practical by reading the outline of the lecture and passing a quiz on the material covered.

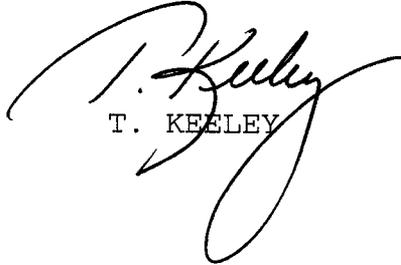
#### 5. Responsibilities

a. NATOPS Officer. The NATOPS Officer shall ensure all newly arriving pilots receive a packet of Flight Syllabus Cards for flights listed in enclosure (1). The NATOPS Officer shall brief newly assigned personnel concerning the requirements of this instruction and their responsibilities. The NATOPS Officer shall initiate a pilot progress jacket and maintain completed Flight Syllabus Cards in the jacket. All pertinent information concerning the progress of the pilot shall be filed in this jacket. Advise the Operations Officer at least monthly of co-pilot's progress. The NATOPS Officer is responsible for maintaining NATOPS Qualification/Training jackets and log books for all pilots in proper order. Additionally, the NATOPS Officer is responsible for scheduling co-pilots for needed flights and ensuring the HAC worksheet (enclosure (5)) is completed and submitted via the chain-of-command before designation as HAC.

b. HAC Board. The HAC Board shall evaluate NAS Oceana SAR pilots to determine their qualification to perform as Helicopter Aircraft Commander. The board will normally consist of the Senior H-3 HAC, H-3 NATOPS Officer and SAR Officer. The Senior HAC shall chair the board and select qualified alternates.

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c. Helicopter Aircraft Commanders. HACs are responsible for the training of their co-pilots and ensuring flight time is productively utilized. When a co-pilot's performance is below average, the HAC shall inform the NATOPS Officer for the purpose of correcting the deficiencies. HACs shall complete the H2P/HAC Progress Report Sheet, enclosure (3), when flying non-syllabus flights with H2P co-pilots or when requested by the NATOPS Officer.

  
T. KEELEY

Distribution:  
NASOCEANAINST 5216.1X  
List (11 and 30 only)

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NAS OCEANA H2P/HAC FLIGHT TRAINING SYLLABUS

<u>CARD</u>	<u>FLIGHT DESCRIPTION</u>
<b>FAM</b>	
Day FAM (DFM)	Day Familiarization
Night FAM (NFM)	Night Familiarization
<b>NAVIGATION/AREA FAM</b>	
Instrument Navigation (INV)	Basic Instruments/IFR Navigation
Day VFR Navigation (DNV)	Day VFR Navigation
Night VFR Navigation (NNV)	Night VFR Navigation
Area Familiarization (AFM)	Local Area Familiarization
<b>SAR</b>	
Over Water SAR (OWS)	Search and Rescue Scenario
Day Doppler (DDP)	Day Coupled Approaches
Night Doppler (NDP)	Night Coupled Approaches
Day SAR Jumps (DSJ)	Day Swimmer Deployment
Night SAR Jumps (NSJ)	Night Swimmer Deployment
Overland SAR (OLS)	Confined Area Landing/Rappelling
<b>SHIP OPERATIONS</b>	
Day MSS (DMS)	Day Multi Spot Landings
Night MSS (NMS)	Night Multi Spot Landings
Day SSS (DSS)	Day Single Spot Landings
Night SSS (NSS)	Night Single Spot Landings
<b>MISSION FAM</b>	
	Mission Familiarization
	- TACTS Range Support
	- MEDEVAC

Notes:

1. All cards should be completed prior to the HAC Board and/or designation.
2. More than one card may be completed per flight dependent on pilot/co-pilot proficiency.

Enclosure (1)

~~MUN 17 2003~~H2P/HAC REQUIRED READING

## 1. Helicopter Second Pilot Required Reading:

TITLE

- a. UH-3H NATOPS Manual
- b. CV NATOPS Manual
- c. LHA/LPH/LPD NATOPS Manual
- d. OPNAVINST 3710.7 series
- e. OPNAV 3130.6 series
- f. NWP-3-04.1 Shipboard Helicopter Procedures for Air Capable Ships
- g. NWP-3-50.1 Naval Search and Rescue Manual
- h. NWP 3.22.5-SAR-TAC, SAR TACAID
- i. Course Rules

## 2. Helicopter Aircraft Commander Required Reading:

TITLE

- a. H2P Required Reading
- b. Facilities Resume/HOSTAC COMNAVAIRLANTNOTE 3500
- c. ATP-10 Search and Rescue Manual (Chapters 6,7,10)
- d. CGD FIVE SAR Plan
- e. Joint PUB 3-50 National SAR Manual
- f. DC VFR Route Procedures

Enclosure (2)



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NATOPS TRAINING LECTURES

ICO: \_\_\_\_\_

<u>LECTURES</u>	<u>DATES COMPLETED</u>		
	CY _____	CY _____	CY _____
<b><u>JANUARY</u></b>			
1. AIRCRAFT STRUCTURES	_____	_____	_____
2. LANDING GEAR & WHEEL	_____	_____	_____
<b><u>FEBRUARY</u></b>			
3. ENGINE SYSTEMS	_____	_____	_____
4. ENGINE OIL SYSTEM	_____	_____	_____
<b><u>MARCH</u></b>			
5. FUEL SYSTEMS	_____	_____	_____
6. FIRE DETECT & EXT SYS	_____	_____	_____
<b><u>APRIL</u></b>			
7. TRANSMISSION SYSTEM	_____	_____	_____
8. MAIN TRANSMISSION OIL SYS	_____	_____	_____
9. WARM WEATHER OPERATIONS	_____	_____	_____
<b><u>MAY</u></b>			
10. MAIN ROTOR SYSTEM	_____	_____	_____
11. TAIL ROTOR SYSTEM	_____	_____	_____
<b><u>JUNE</u></b>			
12. FLIGHT CONTROL SYSTEM	_____	_____	_____
13. HYDRAULIC SERVO SYSTEMS	_____	_____	_____
14. AUTOMATIC BLADE FOLD SYS	_____	_____	_____
<b><u>JULY</u></b>			
15. UTILITY HYDRAULIC SYSTEM	_____	_____	_____
16. RESCUE HOIST	_____	_____	_____
17. CARGO SLING	_____	_____	_____
<b><u>AUGUST</u></b>			
18. ASE/COUPLER SYSTEM	_____	_____	_____
19. WINDSHIELD WIPER/WASHER	_____	_____	_____
<b><u>SEPTEMBER</u></b>			
20. SAR EQUIPMENT	_____	_____	_____
21. SAFETY & SURVIVAL EQUIP	_____	_____	_____
<b><u>OCTOBER</u></b>			
22. CABIN HEATING	_____	_____	_____
23. ANTI-ICING SYSTEM	_____	_____	_____
24. COLD WEATHER OPERATION	_____	_____	_____
<b><u>NOVEMBER</u></b>			
25. ELECTRICAL & LIGHTING SYS	_____	_____	_____
26. FLIGHT INSTRUMENTS	_____	_____	_____
<b><u>DECEMBER</u></b>			
27. COMM & NAV EQUIPMENT	_____	_____	_____
28. EMERGENCY PROCEDURES	_____	_____	_____

Enclosure (4)

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SEARCH AND RESCUE TRAINING LECTURES

ICO: \_\_\_\_\_

<u>LECTURES</u>	<u>DATES COMPLETED</u>			
	CY _____	CY _____	CY _____	CY _____
<u>JANUARY</u>				
1. SAR Equipment	_____	_____	_____	_____
<u>FEBRUARY</u>				
2. SAR Publications	_____	_____	_____	_____
<u>MARCH</u>				
3. SAR Organization	_____	_____	_____	_____
<u>APRIL</u>				
4. Search Planning	_____	_____	_____	_____
<u>MAY</u>				
5. Local Area FAM	_____	_____	_____	_____
<u>JUNE</u>				
6. Over Land SAR	_____	_____	_____	_____
<u>JULY</u>				
7. Rescue Procedures	_____	_____	_____	_____
<u>AUGUST</u>				
8. SAR Eval Review	_____	_____	_____	_____
<u>SEPTEMBER</u>				
9. Joint Pub 3-50 Review	_____	_____	_____	_____
<u>OCTOBER</u>				
10. NWP 3-50.1 Review	_____	_____	_____	_____
<u>NOVEMBER</u>				
11. TACNAV	_____	_____	_____	_____
<u>DECEMBER</u>				
12. Space Shuttle SAR	_____	_____	_____	_____

H2P/HAC WORKSHEET

MEMORANDUM

From: H-3 NATOPS Officer  
To: Commanding Officer, Naval Air Station Oceana  
Via: (1) Operations Officer  
(2) Executive Officer

Ref: (a) NASOCEANAINST 1542.3G  
(b) OPNAVINST 3710.7S  
(c) NAVAIR 01-230-HLH-1 (H-3 NATOPS)

Subj: REQUEST FOR H2P/HAC DESIGNATION ICO \_\_\_\_\_

1. Subject pilot has completed the requirements set forth in references (a) through (c) and is recommended for designation in the UH-3H as H2P/HAC.

2. The following is a resume of his qualifications:

DATE REPORTED ABOARD \_\_\_\_\_

FLIGHT TIME  
TOTAL \_\_\_\_\_  
HELICOPTER \_\_\_\_\_  
UH-3H \_\_\_\_\_

CURRENT NATOPS  
OPEN BOOK GRADE \_\_\_\_\_  
CLOSED BOOK GRADE \_\_\_\_\_

CURRENT INSTRUMENT RATING AND EXPIRATION \_\_\_\_\_

OTHER PILOT QUALIFICATIONS (DATES)  
DAY MSS \_\_\_\_\_  
NIGHT MSS \_\_\_\_\_  
DAY SSS \_\_\_\_\_  
NIGHT SSS \_\_\_\_\_

CURRENT DESIGNATIONS  
H2P \_\_\_\_\_

Enclosure (5)

NASOCEANAINST 1542.3G  
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H2P/HAC WORKSHEET (CONT'D)

REQUIRED READING COMPLETE

\_\_\_\_\_

COURSE RULES/SOP TEST

\_\_\_\_\_

H-3 NATOPS OFFICER RECOMMENDATION/COMMENTS:

\_\_\_\_\_

DATE

\_\_\_\_\_

SIGNATURE

OPERATIONS OFFICER RECOMMENDATION/COMMENTS:

\_\_\_\_\_

DATE

\_\_\_\_\_

SIGNATURE

HAC BOARD RESULTS/CHAIRMAN COMMENTS:

\_\_\_\_\_

DATE

\_\_\_\_\_

SIGNATURE

CHECK-FLIGHT RESULTS/CHECK-PILOT COMMENTS:

\_\_\_\_\_

DATE

\_\_\_\_\_

SIGNATURE

EXECUTIVE OFFICER COMMENTS:

\_\_\_\_\_

DATE

\_\_\_\_\_

SIGNATURE

COMMANDING OFFICER:

\_\_\_\_\_

DATE

APPROVED/DISAPPROVED

\_\_\_\_\_

SIGNATURE