

NAVY DEPARTMENT
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON 25, D.C.

22 April 1947.

From: OP-50
To: Distribution List

Subject: Pamphlet Setting Forth "The Naval Aeronautical Organization for Fiscal 1949"; Request for Comments on.

Enclosure: (A) Copy of "The Naval Aeronautical Organization for Fiscal 1949 (Tentative)".

1. Enclosure (A) is the first draft of a pamphlet setting forth the Naval Aeronautical Organization for Fiscal Year 1949. As indicated in Enclosure (A), the Aeronautical Organization outlined therein is based on the current Naval Establishment Plan.
2. Addressees are requested to submit comments on, and/or corrections to, the subject pamphlet (to OP-501-A) by 8 May 1947 in order that this basic planning document may be completed in final form for use in preparation of budget estimates to be submitted to the Office of Budget and Reports.

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B. B. Nichol
B. B. NICHOL,
By direction.

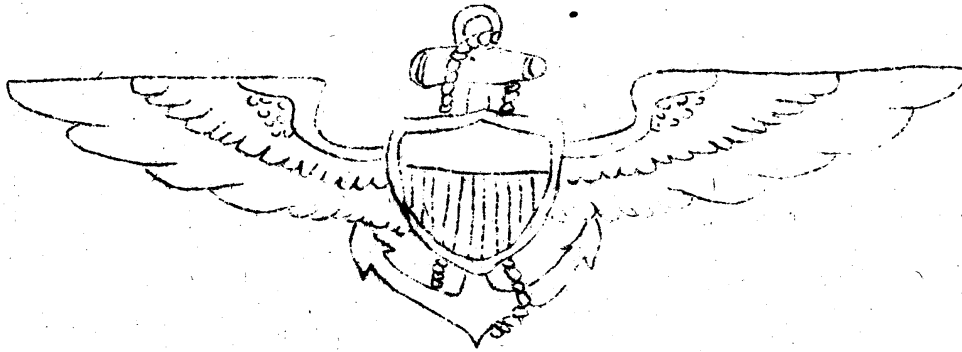
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DECLASSIFIED

THE
NAVAL AERONAUTICAL
ORGANIZATION

(Fiscal Year 1948)

Duplicate



Second Revision

Prepared by Op-50
10 January 1947

THE NAVAL AERONAUTICAL ORGANIZATION

FOR FISCAL 1948

INTRODUCTION

The requirements of the Naval Aeronautical Organization for Fiscal 1948 are set forth in the following pages. Excerpts from the "Operating Force Plan" and from "The Assignment of Vessels and Aircraft in the Administrative Organization of the Operating Forces U.S. Navy" have been included in order to present the complete picture of the Naval Aeronautical Organization.

SECTION 1

SUMMARY

<u>Organization</u>	<u>Active Fleets</u>	<u>Reserve Fleets</u>	<u>Total</u>	<u>Notes</u>
<u>1. Ships</u>				
Large Carriers	3	0	3	
Medium Carriers	9	0	9	
Light Carriers	2	0	2	
Small Carriers (Combat)	10 9	0	10 9	6 USMC, 3 Navy ASW.
Large A/C Tender	4	0	4	
Small A/C Tender	12 9	0	12 9	

2. Aircraft Units

(a) Navy

(1) Carrier Air Groups

CVBGs	3	0	3
EVGs	11	0	11
CVLGs	1	0	1
CVEGs	4 3	0	4 3
Nite Development Squadrons	2	0	2

(2) Fleet Air Wing Aircraft

Patrol Squadrons (Land)	(4 eng) 15 9	15 9
Squadrons (Land)	(2 eng) 8 8	8 8

	<u>Active</u>	<u>Reserve</u>	<u>Total</u>
(2) <u>Fleet Air Wing Aircraft (Contd)</u>			
Patrol Sqdns. (seaplane)	11 10		11 10
Patrol Sqdns. (amphibious)	4 5		4 5
Photo Sqdns. (4 eng.)	2		2
Weather Sqdns. (4 eng.)	2		2
(3) <u>Ships Aircraft Units (VOS)</u>			
Battleship Units (3 S.E. seaplanes)	4 7	0	4 7
Cruiser Units (2 S.E. seaplanes)	26	6	32 26
(4) <u>Utility Squadrons</u>			
General Utility Squadrons	7 86	0	7 86
Drone Squadrons	3	0	3
(5) <u>Fleet Training</u>			
Fleet Aircraft Electronic Trng. Units	2	0	2
(6) <u>Naval Air Transport Service</u>			
Squadrons	10		10
(7) <u>Fleet Administration & Utility Sqdns.</u>	3	0	3
(8) <u>Fleet Evaluation (VX) Squadrons</u>	4		4
(9) <u>Station Aircraft</u>			See Section 3
(10) <u>Lighter-than-Airships</u>			
Tactical Squadrons	2		2
(b) <u>Marine</u>			
(1) VMF Sqdns.	21 18		21 18
(2) VMF(N) Sqdns.	5 3		5 3
(3) Photo Sqdns.	2		2
(4) Transport Sqdns.	6 4		6 4
(5) Utility, Admin, & FMF Trng.			See Section 3
(6) Station Aircraft			See Section 3
(c) <u>Navy and Marine</u>			
(1) Experiment & Development A/C			See Section 3
(2) Flight Training			See Section 3
(d) <u>Reserve A/C Units</u>			See Section 5

3. Shore Establishment (See Breakdown in Sec. 4)

4. Aviation Personnel

	<u>Officers</u>	<u>Enlisted</u>
(a) Fleet (Air)	5,352	31,191
(b) Flgs (Air)	225	801
(c) BuAer-DEMO(Air)	2,089	22,224
(d) Fleet Support (B)(Air)	762	9,107
(e) Training (Air); Operating Forces	2,072	22,872
Students	1,150	6,100
Sub-total	11,550	92,295
(f) Fleet Support (B) (Seabees with air activities)	18	705
Total	11,568	93,000
(g) Est. total Naval Aviators required	12,184	
(h) Est. Annual HTA pilot trng. output	1,739	
(i) Est. Annual LTA pilot trng. output	40	
(j) Est. Annual Tech. Trng. output	1,398	13,894

SECTION 2 - SHIPS (Cont'd)

Note: Excerpt from "Assignment of Vessels and Aircraft in the Administrative Organization of the Operating Forces, U. S. Navy"

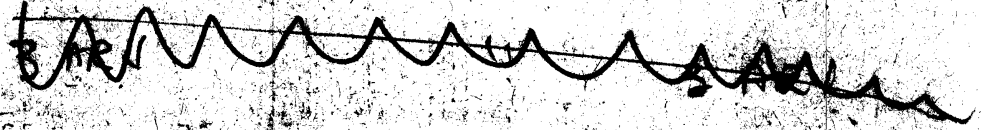
PAC RES FLT (Inactive)

9 CV
3 CVL
27 CVE
4 AV
0 AVP
1 ARV
2 ARV (E & A)

PANT RES FLT (Inactive)

4 CV
4 CVL
29 CVE
4 AV
12 AVP *ole*
1 ARV
2 ARV (E & A)

BAR



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SECTION 3 - AIRCRAFT

1. AIRCRAFT REQUIREMENTS

(a) <u>FLEET</u>	<u>UNITS</u>	<u>A/C</u>
<u>Carrier Air Groups</u> CVBG	3	399
CVG	11	1067
CVEG	24	108
CVLG	1	48
<u>Night Development Squadrons</u>	2	86
<u>Sub Total Carrier</u>		<u>1708</u>
<u>Battleship Units</u>	4	12
<u>Cruiser Units</u>	32	64
<u>Sub Total Ship Based</u>		76
<u>Fleet Air Wings: Landplanes</u>	23	198
Seaplanes	15	135
<u>Sub Total Patrol Planes</u>		333
Utility		242
Transport Squadrons (NATS)		93
Fleet Training		345
Fleet Admin. Utility, Transport		74
Fleet Evaluation		<u>52</u>
<u>Sub Total Utility Transport, etc.</u>		806
 (b) <u>SHORE ESTABLISHMENT AVIATION</u>		
Training		1741
Experimental and Development		400
Air Bases Admin. & Utility		126
Attaches and Naval Missions		<u>28</u>
<u>Sub Total Training, Ex., etc.</u>		2295
 Navy Operating Total		 5218

Plus 2 blimps (no crew).

U. S. MARINE CORPS AIRCRAFT

<u>TACTICAL SQUADRONS</u>	<u>UNITS</u>	<u>A/C</u>
VMF	21	504
VMF(N)	5	60
VMD	2	36
VMR(HL)	2	23
VMR(ML)	4	67
<u>Sub Total Tactical</u>		690
<u>Schools and Training</u>		149
<u>Admin. & Utility</u>		73
MARINE OPERATING TOTAL		912
Grand Total Operating		6130
Overhaul, In Transit, Support		2636
GRAND TOTAL		8766

LIGHTER-THAN-AIR PROGRAM

ZNP Squadrons	2	8
Training		4
Experiment and Development		4
Total Operating		16 #
Reserve, Overhaul, Attrition		6
GRAND TOTAL		22

Plus one ZNJ temporarily assigned WTS Solomons, Md.

AIRCRAFT PROCUREMENT DIVISION

1 JULY 1948 - 30 JUNE 1949
 (funds required during fiscal 1948)

<u>CLASS</u>				
<u>Fighter</u>			F8F-2	41
			F8F-2A	24
			F8F-2P	30
	VF	161	F6U -	90
	VF(N)	27	F2D	22
	VF(Jet)	<u>160</u>	F9C	48
	Total		348	255
<u>Attack</u>			AD-2	82
	VA	<u>199</u>	AD-2A	23
	Total		AD-2A	15
			AD-199-2W	31
			AM-1	36
<u>Patrol</u>			AJ-1	12
	VP(MSA)	<u>12</u>		<u>199</u>
	Total		12	
<u>Utility</u>			PBM-5A	12
	VH	<u>20</u>		
	Total		<u>20</u>	
			HRP	20
	GRAND TOTAL		579	<u>486</u>

486

26,000,000
 Contingency

TARGET DRONES AND PILOTLESS AIRCRAFT FOR USE AS TARGETS

Man-carrying type	210
Non-man carrying type (TDD)	1000

ATTACK PILOTLESS AIRCRAFT

P/A 13 (Ship to Ship)	150
P/A 12 (Ship to Air)	150

SECTION 4 -- AVIATION BASES

CONTINENTAL AIR STATIONS

I. SUPPORTING THE FLEET

1. NAVY (HTA)

	<u>STATUS</u>				<u>TOTAL</u>	<u>FACILITIES FOR</u>
	<u>F</u>	<u>R</u>	<u>M</u>	<u>C</u>		
NAAS CHARLESTOWN	1					1 CVG, 1 CVEG
NAS QUONSET POINT	1					2 CVG, 1 CVEG, 1 HL, 1 VX
NAS ATLANTIC CITY	1					1 2/3 HL, 1 CVLG, 1 ML, 1 VPF
NAAS CHINGCOTEAGUE		1				1 VU, 1 VX
NAAS OCEANA	1					1 CVBG, 1 CVG
NAS NORFOLK	1					2 CVBG, 1 MS, Faetu, 2 AM, NAT
NAS KEY WEST		1				1 CV NiteDevRon, 1 VS
NAAS REAM FIELD		1				Faetu
NAS SAN DIEGO	1					2 CVG, 1 CVEG, 1 MS
NAS ALAMEDA	1					2 CVG, 1 VPP
NAS MOFFETT	1					NATS, HAGA, Exper.
NAS SEATTLE		1				1 CVG, NATS
NAS WHIDBEY ISLAND		1				2 ML, 2 AM (6 plane)
NAAS EL CENTRO			1			Rocket and Gun Trng.
	8	5	1	0	14	

2. NAVY (LTA)

NAS SANTA ANA	1					1 ZP, 1 VU(DRONE)
NAS LAKEHURST	1					1 ZP, 1 VX, NATTC, Exp.
	0	2	0	0	2	

3. MARINE CORPS (HTA)

MCAS CHERRY POINT	1					3 VMF Grp, 1 VWR Grp, 1 VO
MCAS OAK GROVE	1					1 VMF(N) Grp.
MCAS QUANTICO	1					Marine Schools
MCAS EL TORO	1					3 VMF Grps, 1 VWR Grp.
MCAS MIRAMAR		1				1 VMF(N) Grp, 1 ML
	4	1	0	0	5	

II. TRAINING.

NAAS CECIL FIELD	1					1 VF(Marine) Trng, VBF Trng, Sqd, CO School Senr. Off. Refres.
NAAS CABANISS FIELD	1					Basic Inst. Trng.
NAS CORPUS CHRISTI	1					So. Amer. Trng, BFIS, IFIS, NATTC
NAAS RODD FIELD	1					Basic N2S
NAS SAUFLEY	1					Basic CV Trng, Basic CQT
NAS WHITING	1					PBLY & PV Trng, Adv. CQTU, VPP Trng.
NAS PENSACOLA	1					VPR Trng., FIS, FSS, Photo School, NATTC

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1. OPERATIONS

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THE NAVAL AIR RESERVE

1. The mission of the Air Reserve is to maintain, in peacetime a trained Organized Reserve of naval and marine aviators, flight crews, and aviation ground personnel to complement ships of the inactive fleet or to serve as spare air groups for active ships, and a semi-trained Volunteer Reserve to constitute a sound potential to naval combat strength.

2. Policies relating to the Naval Air Reserve Program will be administered and coordinated by DCNO(Air). Under the direction of CNATra, the Chief of Naval Air Reserve Training will coordinate and direct all aviation selective, preflight, and inactive reserve pilot refresher training, and also inactive reserve ground officer and enlisted personnel training. In the latter field he will be assisted by CNATechTra.

3. The objectives of the Air Reserve Program are:

- a. To develop the Organized Reserve (Ready) into air groups, squadrons and units corresponding to the requirements of the inactive fleet. Approximately 7372 naval and marine aviators, 3180 ground officers, and 45,556 enlisted naval and marine personnel would thus be available to complement the laid up ships or to supplement squadrons for the active and reserve fleets.
- b. To maintain proficiency in gunnery, bombing, combat and formation tactics, instrument flying and navigation, including use of radar, simulated carrier landings, communications and night operations, in addition to maintaining proficiency of sufficient Primary Flight Instructors to permit rapid expansion of the Training organization in an emergency. The above types of training will be encompassed by 100 hours of syllabus flying annually, during 48 drill periods plus 14 days training duty.
- c. To develop the Volunteer Reserve (Standby) into units for instruction which will fit them into the mobilization plan. Such officers would fill training, technical and administrative billets afloat and ashore in an emergency. Approximately 50 hours voluntary flying annually without pay would be offered to those aviators.
- d. To maintain facilities at population centers to permit attendance at drills and lectures both in flight and ground subjects. Fifteen air stations have been assigned to CNAResTra, six others are desired to carry out the program.

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- e. To provide modern aircraft, equipment and devices for purposes of instruction and drill. These have been already assigned or reserved from the material available at the close of hostilities.

SECTION 5 - THE AIR RESERVE

1. The existing Naval Air Stations listed below will be retained in commission in reduced operating status for Reserve Training:

NAS Atlanta, Ga.	NAS Minneapolis, Minn.
NAS Columbus, Ohio	NAS New Orleans, La.
NAS Dallas, Tex.	NAS New York, N.Y.
NAS Glenview, Ill.	NAS Oakland, Cal.
NAS Grosse Ile, Mich.	NAS Willow Grove, Pa.
NAS Olathe, Kansas.	NAS St. Louis, Mo.
NAS Los Alamitos, Calif.	NAS Squantum, Mass.
NAS Memphis, Tenn.	NAS Miami, Fla.
NAS Denver, Colo.	*NAS Ottumwa, Ia.

Note: Additional new facilities listed below in paragraph 2.
* For Navy Preflight training (Administered by CNATRESTRA).

2. Naval Air Facilities at, or in the vicinity of, the following locations will be established for Air Reserve Training:

Cleveland-Akron, Ohio
Portland, Ore.
Syracuse-Buffalo, N.Y.

3. Assignment of aircraft by types to Reserve Training Units (with RTU's location) is indicated below:

<u>Location</u>	<u>VF</u>	<u>VA</u>	<u>VP</u>	<u>VU</u>	<u>VR</u>	<u>VT</u>	<u>Airships</u>	<u>Total A/C</u>
Atlanta	24	12	3	2	1	11		53
Columbus	32	24	7	4	1	19		87
Dallas	36	24	7	4	2	19		92
Glenview	44	25	7	7	5	21		109
Grosse Ile	36	24	7	4	1	19		91
Olathe	32	24	7	4	3	19		89
Los Alamitos	42	25	7	4	2	21		101
Memphis	24	12	5	2	1	13		57
Minneapolis	32	24	7	4	1	17		85
New Orleans	24	12	0	2	0	14		52
New York	42	25	7	4	4	21		103
Oakland	36	24	0	4	3	22		89
Willow Grove	36	24	7	4	3	19		93
St. Louis	32	24	7	4	1	19		87
Squantum	36	24	3	4	2	22		91
Denver	32	22	0	1	0	15		70
Anacostia	32	24	7	4	1	17		85
Jacksonville	20	12	5	2	1	11		51
Miami	20	12	5	2	1	11		51
Norfolk	20	12	5	2	1	13		53
Seattle	32	24	7	4	1	19		87
San Diego	32	24	7	3	1	18		85

SECTION 5 - THE AIR RESERVE (Contd.)

<u>Location</u>	<u>VF</u>	<u>VA</u>	<u>VP</u>	<u>VU</u>	<u>VR</u>	<u>VT</u>	<u>Airships</u>	<u>Total A/C</u>
Lakehurst (LTA)							2	2
Santa Ana (LTA)							2	2
Cleveland-Akron	40	34	6	3	0	29	2	114
Portland	20	12	7	2	0	11		52
Syracuse-Buffalo	44	44	6	3	0	29		126
TOTALS	800	547	136	83	36	449	6	2057

SECTION 5 - THE AIR RESERVE (Contd.)

4. NAVAL AIR RESERVE PERSONNEL (ORGANIZED RESERVE) FOR AIR GROUPS, SQUADRONS, AND AVIATION UNITS

This includes, where applicable, naval aviators and non-aviators

	<u>Officers</u>	<u>Men</u>	<u>Officers</u>	<u>Men</u>
3 CVEG @	166	582	498	1746
24 CVG	122	443	2928	10632
9 CVLG	57	199	513	1791
19 CVEG	40	126	760	2394
24 VP (ML)	23	124	552	2976
36 VO	4	19	144	684
12 VR	16	85	192	1020
3 LTA Sqdn.	65	150	195	450
Sub Total			5782	21693
27 Basic FASRon (CV)	17	248	459	6696
8 Aug. FASRon (CVG)	2	79	16	632
2 Aug. FASRon (CVLG)	1	38	2	76
19 Aug. FASRon (CVEG)	1	26	19	494
24 Basic FASRon (VP)	15	102	360	2448
12 Aug. FASRon (VR)	1	32	12	384
36 Basic SP FASRon (VO/VS)	13	164	468	5904
3 Airship Sqdn. Service Unit	0	100	0	300
13 A/C SerDiv (CV)	4	86	52	1118
8 A/C SerDiv (CVL)	3	48	24	384
17 A/C SerDiv (CVE)	3	31	51	527
Sub Total			1463	18963

5. In addition to the above Organized Reserve Personnel, the following administrative non-aviator officers will be trained for air groups, squadrons and aviation units and will be part of the Organized Reserve:

	<u>Officers</u>	
3 CVBG	90	
24 CVG	672	
9 CVLG	144	
19 CVEG	323	Specialists E Technicians
36 VO	288	(ACI, Electronics, Commun-
24 VP	336	ications, Medical, Ord-
TOTAL	1853	nance, Photographic, etc.)

SECTION 5 - THE AIR RESERVE (Contd.)

6. NAVAL AIR RESERVE ACTIVE DUTY PERSONNEL (Stationkeepers)

Officers*	823
Men	9849

*Includes 31 Navy Department personnel.

7. MARINE AIR RESERVE PERSONNEL (ORGANIZED RESERVE) FOR SQUADRONS:

	<u>Per Squadron</u>			<u>Total</u>		
	<u>Officers</u>		<u>Men</u>	<u>Officers</u>		<u>Men</u>
	<u>N.A.</u>	<u>Ground</u>		<u>N.A.</u>	<u>Ground</u>	
24 VMF	45	12	164	1086#	289	3936
4 MGCS		18	160		72	640
				<u>1086#</u>	<u>361</u>	<u>4576</u>
			TOTAL			

8. MARINE AIR RESERVE ACTIVE DUTY PERSONNEL (Stationkeepers)

Officers#	46
Men#	840

#Includes ComMARTSStaff.

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THE NAVAL AIR TRAINING PROGRAM (FISCAL 1948)

PILOT TRAINING

1. The HTA pilot training system, under the Commander of Naval Air Training, will produce approximately 1730 HTA pilots (including 200 Marines, 30 Coast Guard, and 80 South Americans) and will consist of the following functional commands:

Naval Air Reserve Training Command
Naval Air Basic Training Command
Naval Air Advanced Training Command
Naval Air Technical Training Command

2. Training for lighter-than-air pilots will be conducted at NAS Lakehurst under the Chief of Naval Airship Training and Experimentation.

3. The HTA pilot training system will give refresher training to 688 pilots. Of these 325 refresher pilots will be diverted, after one month's familiarization in an Advanced ATU in the type plane which he will fly when assigned as either squadron commander, executive officer, or flight officer in a Fleet Squadron, to the Proposed Squadron Commander's School at Banana River for a two month course (on board load - 50). An additional 180 senior officers will be given two months of refresher training in latest service type aircraft in a Proposed Senior Officers Flight Refresher School at Banana River (on board load - 30).

4. It is expected that the Holloway Aviation Midshipmen Plan should be in effect in fiscal 1948.

5. Within the phase "VF" under "Advanced Training", training in a VBF type syllabus in F4U aircraft will be given to one half the Navy (VF) pilots and to all Marine pilots.

6. In Advanced Training CV pilots will be given Carrier Qualification in service type aircraft.

7. Approximately 72 aviators per year will be trained as landing signal officers. Aviators assigned this training will have completed at least one sea cruise (squadron duty). Upon completion of training as LSO's they will serve one tour of duty on a carrier, after which a small percentage will be assigned as LSO instructors ashore. Officers so trained will not be assigned more than one tour on a carrier and one tour ashore as landing signal officers. In addition 24 Marine LSO's will be trained.

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AIRSHIP (LTA) PROGRAM

1. Training requirements (LTA):

Primary Training - 4 ships

2. The training program envisions feeding regular officers of the Navy of the ranks of Ensign and Lieutenant (jg) into the LTA organization, giving these officers one year LTA flight training followed by two years of active duty in an airship squadron, after which the normal rotation will be effected. For the fiscal year 1948 a class of 50 officers is set forth.

TECHNICAL TRAINING (AVIATION)

1. During fiscal 1948 there is planned to be trained under the cognizance of the Chief of Naval Air Technical Training 1392 officers and 13,894 Navy enlisted men and 1493 USMC enlisted men as a continuation of Post War Plan 2 under limitations of the Operating Force Plan.