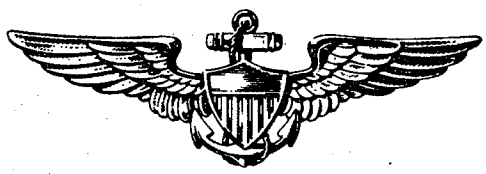
BUWEPSINST 13100.1A

MODEL DESIGNATION of NAVAL AIRCRAFT



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DEPARTMENT OF THE NAVY
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BUWEPS 13100.1A CH-1
RA-1411
4 Jan 1962

BUWEPS INSTRUCTION 13100.1A CHANGE TRANSMITTAL

From: Chief, Bureau of Naval Weapons
To: Distribution List

Subj: CH-1 to BUWEPS Instruction 13100.1A, Subj: Model Designation of Naval Aircraft

Ref: (a) BUWEPS Instruction 13100.1A of 17 May 1961

Encl: (1) Revised pages 25 through 28 of reference (a)

1. Purpose. This Transmittal promulgates CH-1 to reference (a).

2. Action. Addressees are requested to insert the revised pages provided in enclosure (1) of this Transmittal, and to destroy the replaced pages.

3. Cancellation. This Transmittal and SUP-7 to reference (a) are cancelled upon completion of the above action.

L. S. CHAMBERS
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IN REPLY REFER TO

BUWEPS 13100.1A
RA-1411
17 May 1961

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BUWEPS INSTRUCTION 13100.1A

From: Chief, Bureau of Naval Weapons
To: Distribution List

Subj: Model Designation of Naval Aircraft

Encl: (1) Summary of Model Designations of Naval Aircraft

1. Purpose. This Instruction presents a compilation of model designations of Naval Aircraft under cognizance of the Bureau of Naval Weapons. Enclosure (1) lists all evaluation, project development and production models under contract, construction, and in service, except those classified as "obsolete."

2. Cancellation. This Instruction cancels and supersedes BUWEPS Instruction 013100.1 of 22 June 1960.

3. Aircraft Model Designations

a. Evaluation, Project Development and Production Naval Aircraft. Model designations for evaluation, project development and production naval aircraft are composed of one each of the following elements (1 through 8) in the order listed, as applicable, unless otherwise noted.

(1) Prefix Letter. Prefix letters are as follows:

Y	Evaluation (Test) Models
Y/	Project Development Models

No prefix letter is used for production models.

(2) Type Letter. Type letters are as follows:

V	Heavier-Than-Air (Fixed Wing) (Omitted from designation)
H	Heavier-Than-Air (Rotary Wing)
Z	Lighter-Than-Air
D	Remotely Controlled Tactical Airborne Vehicle
R	Rotorcycle

(3) Class Letter (Basic Mission). Class letters (basic mission) are as follows:

Class Letter	Basic Mission
A	Attack
F	Fighter
G	In-Flight Refueling Tanker
O	Observation
P	Patrol
R	Transport
S	Anti-Submarine (For Carrier Based Aircraft)
T	Training
U	Utility
W	Airborne Early Warning

(4) Design Number. The design number indicates the sequence number of each new design of the same class, except that for the first design the numeral "1" is omitted.

(5) Designer's Code Letter. Designer's code letters are assigned only to companies designing the aircraft. Aircraft manufactured by companies other than the original designer carry the code letter of the original designer, however, a different modification dash number is used. Designer's code letters have been established as follows:

Code Letter	Designer
B	Beech Aircraft Corp.
B	Boeing Airplane Co. (Vertol Div.)
C	The deHavilland Aircraft of Canada Ltd.
D	Douglas Aircraft Co., Inc.
E	Cessna Aircraft Co.
E	Hiller Helicopters

Code Letter	Designer
F	Grumman Aircraft Engineering Corp.
G	Goodyear Aircraft Corp.
H	McDonnell Aircraft Corp.
J	North American Aviation, Inc.
K	Kaman Aircraft Corp.
L	Bell Aircraft Corp.
M	The Martin Co.
N	Gyrodyne Co. of America, Inc.
O	Piper Aircraft Corp.
P	Piasecki Aircraft Corp.
Q	Fairchild Engine and Airplane Corp.
S	Sikorsky Aircraft Div. of United Aircraft Corp.
U	Vought Aeronautics Div. of Chance Vought Aircraft
V	Lockheed Aircraft Corp.
Y	Convair Division of General Dynamics Corp.

(6) Modification Dash Number. The modification dash number indicates modifications to the original design. The "-1" indicates the original design and succeeding dash numbers indicate the first modification, second modification, etc.

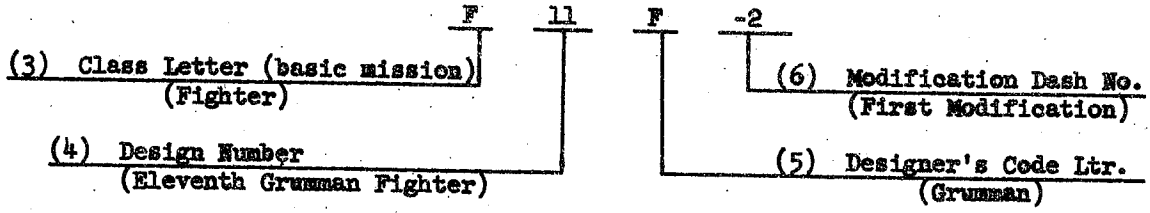
(7) Suffix Letter. A suffix letter is used to denote that an aircraft is modified for a special mission or configuration. A second suffix letter may be used when it is necessary to establish a variation of the suffix version. Suffix letters are assigned only from the list below and for the special mission or configuration listed. The suffix letter indicates that the modifications are of a permanent nature and limit or augment the basic mission or configuration accordingly. If no suffix letter is appropriate, it may be substituted for by a dash in the event that a suffix number is indicated.

Suffix Letter	Special Mission or Configuration
A	Amphibious
B	Special Armament Installation
C	Carrier operation (Non-carrier aircraft)
D	Target control aircraft (Controlling aircraft)
E	Special Electronics Installation
F	Special Power Plant Installation
G	Coast Guard Configuration
J	Special weather
K	Target aircraft (Controlled aircraft)
KD	Combination target aircraft and target control aircraft
L	Winterized
M	Guided missiles carrier
N	All weather
N(A)	All weather version stripped for day attack
P	Photographic
Q	Countermeasures
R	Transport
S	Anti-Submarine
T	Training
U	Utility
W	Airborne early warning
Z	Administrative version

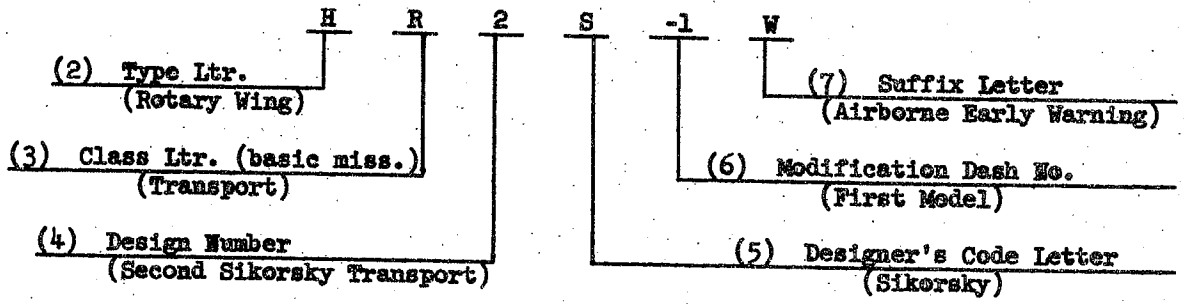
(8) Suffix Number. A suffix number may be added after the suffix letter when an aircraft configuration is modernized with different equipment without changing its special mission. The numeral "1" indicates the first configuration and succeeding numerals indicate second, third configuration, etc.

(9) Examples of Aircraft Model Designations. The following examples illustrate the use of the elements described above in establishing aircraft model designations. (Numbers in parenthesis refer to sub-paragraphs of paragraph 3.a.).

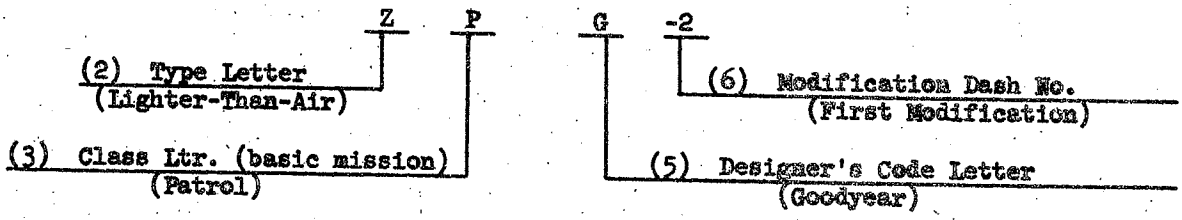
(a) Typical Example for a Fixed Wing Aircraft, F11F-2



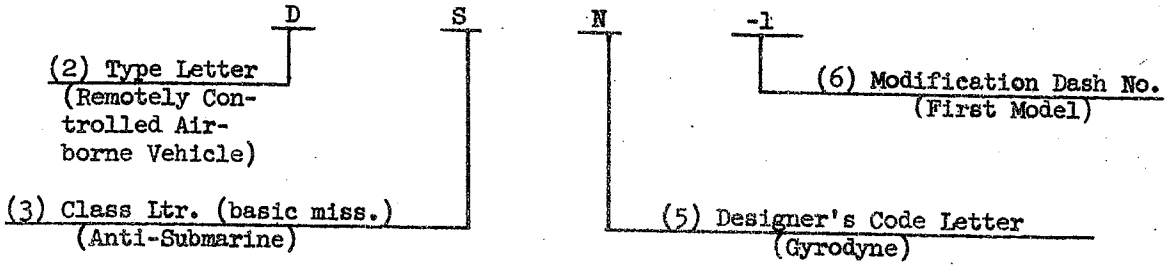
(b) Typical Example for a Rotary Wing Aircraft, HR2S-1W



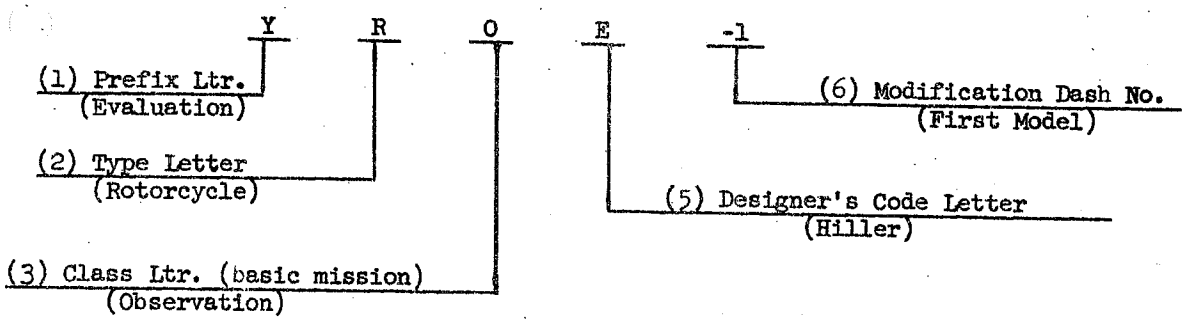
(c) Typical Example for a Lighter-Than-Air Aircraft, ZPG-2



(d) Typical Example for a Remotely Controlled Airborne Vehicle, DSN-1



(e) Typical Example for Rotorcycle (Equipment), YROE-1



b. Research Airplanes. Airplanes designed and constructed for research purposes are designated by the designer's code letter (see 3.a.(5).) followed by his design project number, for example: "D-652" would designate a naval research aircraft designed by Douglas and would be the 652nd. design project by Douglas.

L. S. CHAMBERS
By direction

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SUMMARY OF MODEL DESIGNATIONS OF NAVAL AIRCRAFT

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This summary is arranged alphabetically by classes of aircraft. Model designations are listed alphabetically within each class with information regarding popular name, manufacturer, personnel and cargo, engine, and features. Specific features of each aircraft are noted in the "Features" column by parenthetical notations using abbreviations as listed below. Also included herein is a list of aircraft common to the Navy, Air Force and Army.

Amphibian	(AMPH)	Turbo-fan Engine	(TFE)
Landplane	(LAND)	Turbo-jet Engine	(TJE)
Seaplane	(SEA)	Turbo-prop Engine	(TPE)
Heavy	(HVY)	Ground Support	(GS)
Medium	(MED)	Interdiction	(INTD)
Reciprocating Engine	(RE)	Search and Rescue	(SAR)
Rocket Engine	(ROE)	Target Tow	(TOW)
Turbine Engine	(TE)	Weather Reconnaissance	(WR)

NOTE: Aircraft are equipped with one engine unless otherwise indicated.

HEAVIER-THAN-AIR (FIXED WING)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
ATTACK CLASS (VA)				
AD-5 "Skyraider"	Douglas	1 Crew	Wright R-3350-26WA	Development of AD-4. Aero-products propeller.(GS)(RE)
AD-5N "Skyraider"	Douglas	3 Crew	Wright R-3350-26 WC/WD	AD-5 equipped for night attack operations. (RE)
AD-5Q "Skyraider"	Douglas	4 Crew	Wright R-3350-26 WC/WD	AD-5N equipped for countermeasures. (RE)
AD-5W "Skyraider"	Douglas	3 Crew	Wright R-3350-26 WC/WD	AD-5 incorporating improved radar for airborne early warning and ASW search operations. (RE)
AD-6 "Skyraider"	Douglas	1 Crew	Wright R-3350-26 WC/WD	Improved AD-4B equipped to carry heavy store on centerline rack. (GS) (RE)
AD-7 "Skyraider"	Douglas	1 Crew	Wright R-3350-26WB	Similar to AD-6 incorporating improved engine and internal wing redesign for greater fatigue strength. (GS) (RE)
A3D-1 "Skywarrior"	Douglas	3 Crew	2 P & W J57-P-6/-6B	Carrier-based, high performance and tricycle landing gear. (HVY) (TJE)
A3D-1P "Skywarrior"	Douglas	3 Crew	2 P & W J57-P-6/-6B	A3D-1 equipped for photography. (HVY) (TJE)
A3D-1Q "Skywarrior"	Douglas	4 Crew	2 P & W J57-P-6/-6B	A3D-1 equipped for countermeasures.Bomb capabilities removed. (HVY) (TJE)
A3D-2 "Skywarrior"	Douglas	3 Crew	2 P & W J57-P-10	Improved A3D-1 adaptable to mining missions. (HVY) (TJE)
A3D-2P "Skywarrior"	Douglas	3 Crew	2 P & W J57-P-10	A3D-2 equipped for photography. (HVY) (TJE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
ATTACK CLASS (VA)	(Cont)			
A3D-2Q "Skywarrior"	Douglas	7 Crew	2 P & W J57-P-10	A3D-2 equipped for countermeasures. (HVY) (TJE)
A3D-2T "Skywarrior"	Douglas	8 Crew	2 P & W J57-P-10	A3D-2 equipped for bombardier/navigator training. (HVY) (TJE)
A4D-1 "Skyhawk"	Douglas	1 Crew	Wright J65-W-4B/ 16A	Carrier-based, light weight, high performance, delta wing and tricycle landing gear.(INTD) (TJE)
A4D-2 "Skyhawk"	Douglas	1 Crew	Wright J65-W-4B/ 16A	A4D-1 incorporating in-flight refueling, "buddy tanker" pressure refueling and other changes. (INTD) (TJE) (GS)
A4D-2N "Skyhawk"	Douglas	1 Crew	Wright J65-W-4B/ 16A	Improved A4D-2 having longer nose and limited weather capability. (INTD) (TJE) (GS)
A4D-5 "Skyhawk"	Douglas	1 Crew	P & W J52-P-6	A4D-2N equipped with a different engine and two additional wing bomb rack stations.(INTD)(TJE)(GS)
A2F-1 "Intruder"	Grumman	2 Crew	2 P & W J52-P-6	All-weather, low-altitude, carrier-based, two-place attack airplane. The primary mission of this aircraft is to conduct interdiction close-air-support missions and attacks on land bases and ships under all weather conditions. (INTD) (TJE)
A2F-1Q				Added ECM equip.

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
ATTACK CLASS (VA)	(Cont)			
A3J-1 "Vigilante"	North American	2 Crew	2 GE J79-GE-2/8	High altitude, supersonic all-weather, carrier-based attack airplane. Delivery of special weapons and conventional bombs by all known modes. In-flight refueling. (HVY) (TJE)
A3J-2				High-lift wing, increased fuel, ext stores
FIGHTER CLASS (VF)				
F3D-2 "SkyKnight"	Douglas	2 Crew	2 Westinghouse J34-WE-36/36A	Development of F3D-1 incorporating improved radar. (TJE)
F3D-2Q "SkyKnight"	Douglas	2 Crew	2 Westinghouse J34-WE-36/36A	F3D-2 equipped for countermeasures. (TJE)
F3D-2T2 "SkyKnight"	Douglas	2 Crew	2 Westinghouse J34-WE-36/36A	F3D-2 and F3D-2T equipped with AN/APG-51A or AN/APG-51B Equipment. (TJE)
F4D-1 "Skyray"	Douglas	1 Crew	P & W J57-P-8B	High performance, delta wing, carrier-based all weather intercepter equipped with AERO 13F ACS. (TJE)
F6F-5K "Hellcat"	Grumman		P & W R-2800-10W	F6F-5, modified as a target aircraft. (RE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
FIGHTER CLASS (VF)	(Cont)			
F9F-5KD "Panther"	Grumman	1 Crew	P & W J42-P-8	F9F-5 modified and equipped for simulating a Regulus I Radio Command or Trounce Guided Missile. (TJE)
F9F-6K "Cougar"	Grumman		P & W J48-P-6A	F9F-6 modified and equipped as a target aircraft. (TJE)
F9F-6K2 "Cougar"	Grumman		P & W J48-P-8/6A	F9F-6 modified to a configuration having as its primary mission operational employment as an RD & E target aircraft. (TJE)
F9F-8 "Cougar"	Grumman	1 Crew	P & W J48-P-8/-8A	F9F-6 with extended fuselage and wing modification, equipped for carrying Sidewinder missile. (TJE)
F9F-8B "Cougar"	Grumman	1 Crew	P & W J48-P-8/-8A	F9F-8 equipped for Attack missions. (TJE)
F9F-8P "Cougar"	Grumman	1 Crew	P & W J48-P-8/-8A	F9F-8 equipped for photography. (TJE)
F9F-8T "Cougar"	Grumman	2 Crew	P & W J48-P-8/-8A	F9F-8 with extended front fuselage for 2 crew in tandem, equipped to carry Sidewinder missile. Two guns omitted. (TJE)
F11F-1 "Tiger"	Grumman	1 Crew	Wright J65-W-18	High performance fighter, swept-back wings, equipped to carry Sidewinder missile. (TJE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
FIGHTER CLASS (VF)	(Cont)			
F2H-3 "Banshee"	McDonnell	1 Crew	2 Westing-house J34-WE-34	Development of F2H-2 for all-weather application. (TJE)
F2H-4 "Banshee"	McDonnell	1 Crew	2 Westing-house J34-WE-34	Same as F2H-3 except for radar equipment. (TJE)
F3H-2 "Demon"	McDonnell	1 Crew	Allison J71-A-2E	General purpose fighter equipped to carry Sparrow III Guided Missile. (TJE)
F3H-2M "Demon"	McDonnell	1 Crew	Allison J71-A-2E	Adapted for carrying Sparrow I Guided Missile. (TJE)
F3H-2N "Demon"	McDonnell	1 Crew	Allison J71-A-2E	Improved all-weather version of F3H-1N with new fire control, engine and wing. (TJE)
F4H-1F "Phantom II"	McDonnell	2 Crew	2 GE J79-GE-2	Carrier-based, all-weather fighter carrying missiles and special stores. (TJE)
F4H-1 "Phantom II"	McDonnell	2 Crew	2 GE J79-GE-8	Modification of F4H-1F embodying the J79-GE-8 engine. (TJE)
FJ-3 "Fury"	North American	1 Crew	Wright J65-W-4B/ 16A	High performance day fighter similar to FJ-2 except for engine. (TJE)
FJ-3D "Fury"	North American	1 Crew	Wright J65-W-4B/ 16A	FJ-3 modified for "Regulus" control. (TJE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
FIGHTER CLASS (VF)	(Cont)			
FJ-3D-2 "Fury"	North American	1 Crew	Wright J65-W-4B/ 16A	FJ-3 aircraft with capability of controlling either F9F-6K or KDA-1 (Target Guided Missile). (TJE)
FJ-3M "Fury"	North American	1 Crew	Wright J65-W-4B/ 16A	FJ-3 equipped for carrying Sidewinder missile. (TJE)
FJ-4 "Fury"	North American	1 Crew	Wright J65-W-4B/ 16A	Production improvement of FJ-3. (TJE)
FJ-4B "Fury"	North American	1 Crew	Wright J65-W-4B/ 16A	FJ-4 with provision for Attack missions. (TJE)
F8U-1 "Crusader"	Chance Vought	1 Crew	P & W J57-P-4A	Carrier-based high performance day fighter equipped to carry Sidewinder missile. Variable incidence wing. (TJE)
F8U-1D "Crusader"	Chance Vought	1 Crew	P & W J57-P-4A	F8U-1 configured as Regulus I/II high speed control type aircraft. (TJE)
F8U-1E "Crusader"	Chance Vought	1 Crew	P & W J57-P-4A	F8U-1 with AN/APS-67 visual assist radar.(TJE)
F8U-1KD "Crusader"	Chance Vought	1 Crew	P & W J57-P-4A	F8U-1 configured as Regulus I high speed, trounce and radio controlled type aircraft. (TJE)
F8U-1P "Crusader"	Chance Vought	1 Crew	P & W J57-P-4A	Photographic version of F8U-1. (TJE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
FIGHTER CLASS (VF)	(Cont)			
F8U-2 "Crusader"	Chance Vought	1 Crew	P & W J57-P-16	Improved version of F8U-1E embodying the J57-P-16 engine. Fixed ventral fins. (TJE)
F8U-2N "Crusader"	Chance Vought	1 Crew	P & W J57-P-20	Limited all-weather version of F8U-2 incorporating AN/APQ-83 radar, autopilot, higher thrust engine, and additional fuel capacity. Equipped to carry four Sidewinder missiles (Advanced version). (TJE)
F8U-2NE "Crusader"	Chance Vought	1 Crew	P & W J57-P-20	F8U-2N equipped with AN/APQ-94 radar having a larger antenna in lieu of the present AN/APQ-83 radar. (TJE)
INFLIGHT REFUELING TANKER CLASS (VG)				
GV-1 "Hercules"	Lockheed	7 Crew or 92 Troops or 74 Litter Patients and 2 Attendants or Cargo	4 Allison T56-A-7	Tactical tanker/cargo/personnel/evacuation transport. (USAF C-130B) (MED) (LAND) (TPE)
GV-1U				Refueling & cargo delivery system removed. Passenger and utility

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
OBSERVATION CLASS (VO)				
OE-1	Cessna	2 Crew	Continental O-470-11	Artillery observation, 24 volt electrical system. (USAF L-19A) (RE)
OE-2	Cessna	2 Crew	Continental O-470-2	OE-1 with new engine, constant speed prop, electric flap control system, self-sealing fuel cells, new tail surfaces, and free blown windshields. (RE)
PATROL CLASS (VP)				
P5M-1 "Marlin"	Martin	1 Crew	2 Wright R-3350-36W/ 32W	Single tail, improved hull, long afterbody and ASW search. Hamilton Standard Propellers. (SEA) (RE)
P5M-1S "Marlin"	Martin	11 Crew	2 Wright R-3350-36W/ 32W	P5M-1 with JULIE/JEZEBEL configuration.(SEA) (RE)
P5M-1T "Marlin"	Martin	11 Crew	2 Wright R-3350-36W	Similar to P5M-1 with the exception that "ASW" capability has been removed. (SEA) (RE)
P5M-2 "Marlin"	Martin	11 Crew	2 Wright R-3350-32W	Development of P5M-1 with T-Tail and higher powered engine. (SEA) (RE)
P5M-2S "Marlin"	Martin	11 Crew	2 Wright R-3350-32W	P5M-2 with JULIE/JEZEBEL configuration. (SEA) (RE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
PATROL CLASS (VP)	(Cont)			
P2V-4 "Neptune"	Lockheed	8 Crew	2 Wright R-3350-36W	Similar to P2V-3 except for engines. Search radar single package ASW. (RE)
P2V-5F "Neptune"	Lockheed	9 Crew	2 Wright R-3350-36W/ 32W plus 2 Westing-house J34-WE-34 (Jet Pods)	Similar to P2V-4 except for additional armament loads and ASW capability. Hamilton Standard pro-pellers. (LAND) (RE) (TJE)
P2V-5FE				Additional Electronics Jobs
P2V-5FS "Neptune"	Lockheed	9 Crew	2 Wright R-3350-36W/ 32W plus 2 Westing-house J34-WE-34 (Jet Pods)	P2V-5F with JULIE/JEZEBEL configuration. (LAND) (RE) (TJE)
P2V-5FD "Neptune"	Lockheed Johnsville	9 Crew	2 Wright R-3350-36W/ 32W plus 2 Westing-house J34-WE-34 (Jet Pods)	Converted to launch and control aerial targets. (LAND) (RE) (TJE)
P2V-6 "Neptune"	Lockheed	9 Crew	2 Wright R-3350-36W	High performance mining airplane, secondary ASW missions. Combined search and attack radar. (LAND) (RE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
PATROL CLASS (VP)	(Cont)			
P2V-6F "Neptune"	Lockheed	9 Crew	2 Wright R-3350-36W plus 2 Westing-house J34-WE-36 (Jet Pods)	P2V-6 modified for external jet pods. (LAND) (RE) (TJE)
P2V-6M "Neptune"	Lockheed	9 Crew	2 Wright R-3350-36W	Similar to P2V-6. Modified to launch ASM-N-2. (LAND) (RE)
P2V-6T "Neptune"	Lockheed	9 Crew	2 Wright R-3350-36W	Similar to P2V-6M with the exception that "Petrel" capability has been removed. (LAND) (RE)
P2V-7 "Neptune"	Lockheed	10 Crew	2 Wright R-3350-32W plus 2 Westing-house J34-WE-36 (Jet Pods)	Similar to P2V-5F. Improved ASW capability. (LAND) (RE) (TJE)
P2V-7LP P2V-7S "Neptune"	Lockheed	10 Crew	2 Wright R-3350-32W plus 2 Westing-house J34-WE-36 (Jet Pods)	Arctic P2V-7 with JULIE/JEZEBEL configuration. (LAND) (RE) (TJE)
P3V-1 "Orion"	Lockheed	10 Crew	4 Allison T56-A-10	Anti-submarine Patrol Airplane developed from the commercial Lockheed "Electra" design. (LAND) (TPE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
PATROL CLASS (VP)	(Cont)			
Y/P3V-1 "Electra"	Lockheed	10 Crew	4 Allison T56-A-10	P3V-1 test airplane built from a commercial "Electra" which contains most of the P3V-1 systems and equipment, however, it does not have the gross weight, fuel capacity, range, structural requirements or performance of the P3V-1. (LAND) (TPE)
P4Y-2K ------	Convair		4 P & W R-1830-94	P4Y-2 modified and equipped as a controlled target aircraft. (Formerly PB4Y-2) (LAND) (RE)
TRANSPORT CLASS (VR)				
C-130BL "Hercules"	Lockheed	7 Crew or 92 Troops or 74 Litter Patients and 2 Attendants or cargo	4 Allison T56-A-7	Ski equipped cargo/personnel transport version of USAF C-130B. (MED) (LAND) (TPE)
R4D-5 "Skytrain" R4D-5L	Douglas	3 Crew	2 P & W R-1830-92/90D/90C	Similar to R4D-1 with 24 volt electrical system. (USAF C-47A) (MED) (LAND) (RE) Arctic modification

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
TRANSPORT CLASS (VR) (Cont)				
R4D-5Q "Skytrain"	Douglas	3 Crew 11 Students 1 Instructor	2 P & W R-1830-92/ 90D/90C	Special ECM Trainer similar to R4D-5T. (MED) (LAND) (RE)
R4D-5R "Skytrain"	Douglas	3 Crew 21 Pass.	2 P & W R-1830-92/ 90D/90C	R4D-5 equipped for military personnel transport operation. (MED) (LAND) (RE)
R4D-5S "Skytrain"	Douglas	3 Crew 9 Students 1 Instructor	2 P & W R-1830-92/ 90D/90C	Special ASW Trainer similar to R4D-5E. (MED) (LAND) (RE)
R4D-5Z "Skytrain"	Douglas	3 Crew	2 P & W R-1830-92/ 90D/90C	R4D-5 equipped for administrative operation. (MED) (LAND) (RE)
R4D-6 "Skytrain"	Douglas	3 Crew 28 Pass. or Cargo	2 P & W R-1830-90D/ 90C/92	Similar to R4D-5 except engine. Hamilton Standard propellers. (USAF C-47B). (MED) (LAND) (RE)
R4D-6Q "Skytrain"	Douglas	3 Crew 11 Students 1 Instructor	2 P & W R-1830-90D/ 90C/92	Special ECM Trainer similar to R4D-6T. (MED) (LAND) (RE)
R4D-6R "Skytrain"	Douglas	3 Crew 28 Pass. or Cargo	2 P & W R-1830-90D/ 90C/92	R4D-6 equipped for military personnel transport operation. (MED) (LAND) (RE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
TRANSPORT CLASS (VR) (Cont)				
R4D-6S "Skytrain"	Douglas	3 Crew 9 Students 1 Instructor	2 P & W R-1830-90D/90C/92	Special ASW Trainer similar to R4D-6E. (MED) (LAND) (RE)
R4D-6Z "Skytrain"	Douglas	3 Crew 15-17 Pass.	2 P & W R-1830-90D/90C/92	R4D-6 equipped for administrative operation. (MED) (LAND) (RE)
R4D-7 "Skytrain"	Douglas	3 Crew 12 Students	2 P & W R-1830-90D/90C/92	Similar to R4D-6. Modified as navigational trainer. (USAF TC-47B) (MED) (LAND) (RE)
R4D-8 "Skytrain"	Douglas	3 Crew 35 Troops or 30 Pass. or 27 Litter Patients or Cargo	2 Wright R-1820-80	R4D-5/6 converted and modernized to include new engines, new flush riveted wing panels, new tail, new landing gear, etc. (USAF C-117) (MED) (LAND) (RE)
R4D-8L R4D-8T "Skytrain"	Douglas	3 Crew 8 Students	2 Wright R-1820-80	Arctic R4D-8 provided with eight tables equipped with oxygen, intercommunication system, light and outside temperature gauge to accomodate a maximum of eight students for navigation training.

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
TRANSPORT CLASS (Cont) (VR)				
R4D-8Z "Skytrain"	Douglas	3 Crew 16 Pass.	2 Wright R-1820-80	R4D-8 equipped for administrative operation. (MED) (LAND) (RE)
R5D-1Z "Skymaster"	Douglas	6 Crew 16-20 Pass.	4 P & W R-2000-9/ -9A/4	R5D-1 equipped for administrative operation. Similar to commercial version DC-4. (USAF C-54A) (HVY) (LAND) (RE)
R5D-2 "Skymaster"	Douglas	6 Crew 40-50 Pass. or Cargo	4 P & W R-2000-9/ -9A/4	Similar to R5D-1 except for replacement of two cabin tanks and AN Type end fittings for all rigid and flexible lines. (USAF C-54B) (HVY) (LAND) (RE)
R5D-2Z "Skymaster"	Douglas	6 Crew 22 Pass. 10 Berths	4 P & W R-2000-9/ -9A/4	R5D-2 equipped for administrative operation. (HVY) (LAND) (RE)
R5D-3 "Skymaster"	Douglas	6 Crew 40-50 Pass. or Cargo	4 P & W R-2000-9/ -9A/4	R5D-2 equipped with Hamilton Standard propellers. (USAF C-54D) (HVY) (LAND) (RE)
R5D-3Z "Skymaster"	Douglas	6 Crew 22 Pass. 10 Berths	4 P & W R-2000-9/ -9A/4	R5D-3 equipped for administrative operation. (HVY) (LAND) (RE)
R5D-4R "Skymaster"	Douglas	6 Crew 40 Pass.	4 P & W R-2000-9/ -9A/4	R5D-4 equipped for personnel transport operation. (HVY) (LAND) (RE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
TRANSPORT CLASS (VR) (Cont)				
R5D-5 "Skymaster"	Douglas	6 Crew 40-50 Pass. or Cargo	4 P & W R-2000-9/ -9A/4	Modernized R5D-2, and -3 equipped with APS-42 Radar and electronic auto-pilot. (HVY) (LAND) (RE)
R5D-5Z "Skymaster"	Douglas	6 Crew 22 Pass.	4 P & W R-2000-9/ -9A/4	Modernized R5D-1Z, -2Z, -3Z equipped with APS-42 Radar and electronic auto-pilot. (HVY) (LAND) (RE)
R6D-1 "Liftmaster"	Douglas	6 Crew 79 Troops 76 Pass. or 60 Litter Patients with 6 Attendents or Cargo	4 P & W R-2800-52W	Cargo transport adapted for troops, passengers and/or litters. Similar to commercial version DC-6A. (USAF C-118A) (HVY) (LAND) (RE)
R6D-1Z "Liftmaster"	Douglas	5 Crew 30 Pass.	4 P & W R-2800-52W	Passenger version of R6D-1 modified for administrative operation. Similar to commercial version DC-6B. (HVY) (LAND) (RE)
R4Q-2 "Packet"	Fairchild	5 Crew 42 Troops 35 Litter Patients	2 Wright R-3350-36W	Similar to R4Q-1 except for engines, hydraulic landing gear and flaps. (USAF C-119F) (MED) (LAND) (RE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
TRANSPORT CLASS (VR) (Cont)				
R7V-1 "Constellation"	Lockheed	8 Crew and 92 Pass. or 67 Litter Patients or Cargo	4 Wright R-3350-34	Cargo/personnel/evacuation transport. Hamilton Standard propellers. (USAF C-121C). (HVY) (LAND) (RE)
R4Y-1 "Convair Liner"	Convair	3 Crew 44 Pass. or 21 Litter Patients and 3 Attendants or Cargo	2 P & W R-2800-52W	Cargo/personnel transport version of Convair 340. (MED) (LAND) (RE)
R4Y-1Z "Convair Liner"	Convair	3 Crew 24 Pass.	2 P & W R-2800-52W	Medium range, high speed, pressurized transport administrative version of R4Y-1. (USAF VC-131D) (MED) (LAND) (RE)
R4Y-2 "Convair Liner"	Convair	3 Crew 44 Pass. or 21 Litter Patients and 3 Attendants or Cargo	2 P & W R-2800-52W	Cargo/personnel transport version of Convair 440. (MED) (LAND) (RE)

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
ANTI-SUBMARINE CLASS (VS)				
S2F-1 "Tracker"	Grumman	4 Crew	2 Wright R-1820-82	Single package ASW search and attack. (RE)
S2F-1S "Tracker"	Grumman	4 Crew	2 Wright R-1820-82	S2F-1 with interim JULIE configuration. (RE)
S2F-1T "Tracker"	Grumman	4 Crew	2 Wright R-1820-82	S2F-1 with exceptions of APS-38 and Marine Marker Petro Launcher removed prior to assignment to CNATRA. (RE)
S2F-2 "Tracker"	Grumman	4 Crew	2 Wright R-1820-82	Similar to S2F-1 except for longer bomb bay and wider stabilizer. (RE)
S2F-3 "Tracker"	Grumman	4 Crew	2 Wright R-1820-82A/ 82WA	Improved version of S2F-1/2 series aircraft. This aircraft incorporates most modern developments in AIR-ASW electronics and armament fields consistent with time of aircraft. (RE)
S2F-3S	Grumman			with Tactical Navigation System ASN-30
TRAINING CLASS (VT)				
SNB-5 "Navigator"	Beech	2 Crew 4 Pass.	2 P & W R-985-AN-14B	Modernized version of earlier SNB series aircraft incorporating improved cockpit instrumentation and communication equipment.

MODEL AND POPULAR NAME	MFGR.	PERSONNEL AND CARGO	ENGINE(S)	FEATURES
TRAINING CLASS (VT) (Cont)				
SNB-5P "Navigator"	Beech	5 Crew	2 P & W R-985-AN-14B	SNB-5 equipped for oblique reconnaissance photography. Hamilton hydromatic full feathering propeller. (RE)
T2J-1 "Buckeye"	North American	2 Crew	Westing-house J34-WE-48/46	Basic carrier jet trainer. (TJE)
T-28B -----	North American	2 Crew	Wright R-1820-86/86A	Basic trainer with tri-cycle landing gear. Modified USAF T-28A. (RE)
T-28BD ------	North American	2 Crew	Wright R-1820-86/86A	T-28B equipped for target aircraft control operation. (RE)
T-28C -----	North American	2 Crew	Wright R-1820-86/86A	Modified T-28B incorporating redesigned rudder, reduced propeller diameter suitable for carrier operation and slight differences in cockpit arrangement. (RE)
T-34B "Mentor"	Beech	2 Crew	Continental O-470-4	Primary trainer with tricycle landing gear. Modified USAF T-34A. (RE)
TF-1 "Trader"	Grumman	2 Crew and 9 Pass.	2 Wright R-1820-82	Development of S2F-1. All-weather instrument flight trainer and light carrier-suitable transport. Tricycle landing gear. (RE)
T3J-1(T-39)	North American	2 crew 3 Students		APQ-94 Radar