



DoD 4120.15-L

**MODEL DESIGNATION
OF MILITARY
AEROSPACE VEHICLES**

MAY 12, 2004

Incorporating Change 1, August 31, 2018

**DEPARTMENT OF DEFENSE
OFFICE OF THE UNDER SECRETARY OF DEFENSE FOR
ACQUISITION AND SUSTAINMENT**

FOREWORD

12 MAY 2004

This List is reissued under the authority of DoD Directive 4120.15, "*Designating and Naming Military Aerospace Vehicles*," May 2, 1985. Its purpose is to prescribe uniform procedures for designating and naming aerospace vehicles and to list approved designators and popular names.

DoD 4120.15-L, "*Model Designation of Military Aerospace Vehicles*," October 1998, is hereby canceled.

This List applies to the Office of the Secretary of Defense, the Military Departments, the Chairman of the Joint Chiefs of Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities within the Department of Defense (hereafter referred to collectively as the "DoD Components").

This List is effective immediately and is mandatory for use by all the DoD Components.

Send recommended changes to the List through appropriate channels to:

HQ USAF/XPPE
1070 Air Force Pentagon
Washington, DC 20330-1070

The DoD Components may obtain copies of this List through their own publications channels. Approved for public release; distribution is unlimited. Authorized registered users may obtain copies of this publication from the Defense Technical Information Center, ATTN: OCA, 8725 John J. Kingman Road, STE 0944, Ft. Belvoir, VA 22060-6218. Phone # 1-800-225-3842. Other Federal Agencies and the public may obtain copies from the U.S. Department of Commerce, National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161. Phone # 1-800-553-6847. Copies are also available via the World Wide Web at: "<http://www.dtic.mil/whs/directives>."

Records responsibility for this publication is assigned to the Headquarters United States Air Force, Directorate of Programs, Program Integration Division (HQ USAF/XPPE).



Glenn F. Lamartin
Director
Defense Systems

SUMMARY OF CHANGE 1. This change reassigns the office of primary responsibility for this List to the Under Secretary of Defense for Acquisition and Sustainment in accordance with the July 13, 2018 Deputy Secretary of Defense Memorandum (reference (a)).

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REFERENCES

- (a) Deputy Secretary of Defense Memorandum, “Establishment of the Office of the Under Secretary of Defense for Research and Engineering and the Office of the Under Secretary of Defense for Acquisition and Sustainment,” July 13, 2018
- (b) [DoD Directive 4120.15](#), "Designating and Naming Military Aerospace Vehicles," May 2, 1985
- (c) Air Force Joint Instruction 16-401, Army Regulation 70-50, NAVAIRINST 8800.3A, “Designating and Naming Defense Military Aerospace Vehicles,” August 2003
- (d) Air Force Policy Directive 16-4, “Accounting for Units, Installations, and Aerospace Vehicles,” September 7, 1993

C1. CHAPTER 1
ADMINISTRATIVE GUIDANCE

C1.1. GENERAL

C1.1.1. Under DoD Directive 4120.15 (reference (b)), this List shall provide a single DoD-wide source document containing approved Mission Design Series (MDS) designators and popular names for all aerospace vehicles. This List shall also include all vehicles being entered into Department of Defense inventories. Aircraft with standard DoD designators operated by the U.S. Coast Guard are also included. This List includes approved MDS designators through July 31, 2003. (See Appendix 4 for designators approved since last publication.)

C1.1.2. When all aerospace vehicles with a specific MDS or popular name have retired from Service inventories, the Military Departments shall follow the procedures in AFI 16-401/AR 70-50/NAVAIRINST 8800.3A (reference (c)) to move them from this List to the retired list. (See Appendix 5 for designators removed from the List since last publication.)

C1.2. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

The Headquarters (HQ) United States Air Force (USAF) OPR for meeting the responsibilities directed by reference (b) is:

HQ USAF/XPPE
1070 Air Force Pentagon
Washington, DC 20330-1070

C1.3. MILITARY DEPARTMENTS SINGLE POINT OF CONTACTS (POCs) FOR INQUIRES AND CHANGES

Each Military Department shall establish a single POC for inquiries (see paragraphs C1.3.1. through C1.3.3., below). The Air Force single POC is the HQ Air Force Materiel Command, Logistic Information Services (HQ AFMC/LGIS). The Army and the Navy single POCs shall be the official requestors for their respective Military Departments. Inquiries shall be forwarded to the appropriate Military Department instrumentality. Requests for changes shall be forwarded to the HQ AFMC/LGIS who in turn shall forward requests to HQ USAF/XPPE. The POCs are as follows:

C1.3.1. Air Force and Department of Defense:

Logistic Information Support Office
74 Washington Ave N. Suite 8
Battle Creek, MI 49017-3094
Phone: DSN 932-5281; Commercial (269) 961-5281
FAX: DSN 932-7186; Commercial (269) 961-7186
Email: dodcontrolpoint@casc.af.mil

C1.3.2. Army:

HQ AMC
Office of Command Contractors
Attn: AMCCP-P
5001 Eisenhower Avenue
Alexandria, VA 22333-0001
Phone: DSN 656-8239; Commercial (703) 806-8239

C1.3.3. Navy/Marine Corps/Coast Guard:

Naval Air Warfare Center Aircraft Division (Code 414100B120-3)
Highway 547
Lake Hurst, NJ 08733-5100
Attn: Team Leader, Nomenclature Program Team
Phone: DSN 624-2450; Commercial (732) 323-2450

C2. CHAPTER 2

AEROSPACE VEHICLE DESIGNATION SYSTEM

C2.1. GENERAL INFORMATION

C2.1.1. All DoD aerospace vehicles are assigned designations referred to as MDS designators. This designation system does not permit unique or specified symbols not described in this List. The system also does not designate aerospace vehicles that are of no direct interest to the Department of Defense. A complete description of the designation system is found in reference (c) and in the appendices to this List. Appendix 1 describes and lists aircraft and Unmanned Aerial Vehicle (UAV) designators. Appendix 2 describes and lists rocket, probe, guided missile, and space system designators. Configuration numbers, block numbers, and serial numbers are not part of an MDS designator, but are used to identify further configuration or specific vehicles. These numbers are not listed herein and do not require coordination with HQ AFMC/LGIS. Section C2.2. defines the general terms used in both appendices.

C2.1.2. The DoD MDS Designation System has been changed to include a vehicle type code of "D" for UAV Control Segments. Also, the modified mission symbol of "H" has been updated to include "Medevac" missions. Finally, UAVs that carry lethal payloads are now called Unmanned Combat Aerial Vehicles (UCAVs).

C2.2. DEFINITIONS

The following symbols and numbers are listed in the sequence in which they would appear in an aerospace vehicle MDS.

C2.2.1. Status Prefix (optional). This symbol is used to show that an aerospace vehicle is not standard because of its test, modification, experimental, or prototype design. For aircraft, the symbol appears to the immediate left of the modified mission symbol or basic mission symbol. For rockets and missiles, it is to the immediate left of the launch environment symbol or mission symbol.

C2.2.2. Modified Mission (aircraft only - optional). This symbol is used to identify modifications to the basic mission of an aircraft and appears to the immediate left of the basic mission symbol. Only one modified mission symbol shall be used in any one MDS.

C2.2.3. Launch Environment (rockets and missiles only - required). This symbol identifies the launch environment or platform parameters. It appears to the immediate left of the mission symbol. Only one launch environment symbol shall be used in any one MDS.

C2.2.4. Basic Mission (required). This symbol identifies an aerospace vehicle's primary function or capability. For standard aerospace vehicles (e.g., bombers, fighters), it appears to the

immediate left of the design number separated by a dash. For nonstandard aerospace vehicles, it appears to the immediate left of the vehicle type symbol.

C2.2.5. Vehicle Type (nonstandard vehicles only - required). This symbol is required only for nonstandard vehicles, such as a helicopter, vertical takeoff and landing (VTOL) vehicle, UAV control segment, missile, space vehicle, etc. It appears to the immediate left of the design number, separated by a dash. A basic mission or modified mission symbol must accompany the vehicle type symbol.

C2.2.6. Design Number (required). This number identifies major design changes within the same basic mission. It appears to the immediate right of the basic mission symbol or vehicle type symbol, separated by a dash. Design numbers run consecutively beginning with "1" for each category.

C2.2.7. Series (required). This symbol identifies the first production model of a particular design number and later models representing major modifications that significantly alter the aerospace vehicle systems' components or change the logistics support of the vehicle. Consecutive series symbols, starting with "A," appear to the immediate right of the design number. To avoid confusion, do not use the letters "I" and "O" for this symbol.

C2.2.8. Configuration or Component Number (rockets and missiles only). This number is used only when denoting configuration changes affecting performance, tactics, or integral components of a weapon system that require the same operations or logistics support as the aerospace vehicle. It appears to the immediate right of the series symbol separated by a dash. Each Military Department determines its own method for assigning configuration numbers.

C2.2.9. Block Number (aircraft only). This number identifies a production group of identically configured aircraft within a particular design series. The numbers are assigned in multiples of five (01, 05, and 10). The Military Departments may reserve intermediate block numbers for field modifications.

C2.2.10. Serial Number. This number identifies a specific aerospace vehicle. Each Military Department determines its own method for assigning serial numbers.

AP1. APPENDIX 1APPROVED AIRCRAFT AND UNMANNED AERIAL VEHICLE (UAV) DESIGNATORS
AND SYMBOLSAP1.1. SYMBOLS

The following list outlines the symbols that are required for aircraft Mission Design Series (MDS). Section AP1.2. shows a sample MDS. A description of each symbol can be found in reference (c).

Status Prefix	Modified Mission	Basic Mission	Vehicle Type
G - Permanently Grounded	A - Attack	A - Attack	D - UAV Control Segment
J - Special Test (Temporary)	C - Transport	B - Bomber	G - Glider
N - Special Test (Permanent)	D - Director	C - Transport	H - Helicopter
X - Experimental	E - Special Electronic Installation	E - Special Electronic Installation	Q - Unmanned Aerial Vehicle
Y - Prototype	F - Fighter	F - Fighter	S - Spaceplane
Z - Planning	H - Search and Rescue/ Medevac	L - Laser	V - Vertical Takeoff and Landing (VTOL)/Short Takeoff and Landing (STOL)
	K - Tanker	O - Observation	Z - Lighter-Than-Air Vehicle
	L - Cold Weather	P - Patrol	
	M - Multi-mission	R - Reconnaissance	
	O - Observation	S - Antisubmarine	
	P - Patrol	T - Trainer	
	Q - Drone	U - Utility	
	R - Reconnaissance	X - Research	
	S - Antisubmarine		
	T - Trainer		
	U - Utility		
	V - Staff		
	W - Weather		

AP1.2. SAMPLE AIRCRAFT MDS - YEH-60B

Status Prefix (Prototype) "Y"

Basic Mission (Electronics) "E"

Vehicle Type (Helicopter) "H"

Design Number (60th helicopter design) "60"

Series (2nd version of this design) "B"

AP1.3. APPROVED AIRCRAFT AND UAV DESIGNATORS

The list of approved MDS designators for all aircraft and UAVs of direct interest to the Department of Defense begins on page 11. Aircraft are listed alphabetically by mission symbol, sequentially by design number, and alphabetically by series.

<u>ATTACK SERIES</u>					
MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
EA-1E (ASW)	McDonnell Douglas	Skyraider	1 R-3350-26WD	United States Navy (USN)	Land or carrier based multi-purpose aircraft used for attack bomber, utility, early warning, and anti-submarine warfare search operations.
A-3A	McDonnell Douglas	Skywarrior	2 J57-P-6B	USN	Swept high wing, carrier based, high performance attack aircraft with tricycle landing gear.
A-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	USN	Upgraded A-3A adaptable to mining missions.
EA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	A-3B equipped for electronic countermeasures (7 crew).
KA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	A-3B modified as tanker.
EKA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	A-3B configured for tanker/aircraft/countermeasures or strike missions.
NA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	A-3B modified for testing aircraft wiring, airframe, and support equipment.
RA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	A-3B equipped for photography (3 crew).
ERA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	RA-3B modified to fleet electronic warfare support group configuration.
NRA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	A-3B equipped as test bed for harpoon and cruise missile guidance systems.
TA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	A-3B equipped for bombardier/navigator training (8 crew). Also staff transport version (3 crew).
UA-3B	McDonnell Douglas	Skywarrior	2 J57-P-10	Navy	NRA-3B modified to provide limited carrier delivery and navigator/pilot training.
TA-4B	McDonnell Douglas	Skyhawk	1 J65-W-16A/-20	Navy	Small, single-seat, delta wing, carrier-based, attack aircraft with tricycle landing gear and in-flight refueling capability.
A-4C	McDonnell Douglas	Skyhawk	1 J65-W-16A/-20	Navy	TA-4B aircraft with longer nose, upgraded engine, and limited weather capability (1 crew).
A-4E	McDonnell Douglas	Skyhawk	1 J52-P-6A/-8A/-8 B	Navy	Improved A-4 with different engine and two additional wing bomb rack stations (1 crew).

ATTACK SERIES-Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
NA-4E	McDonnell Douglas	Skyhawk	1 J52-P-6A/-8A/-8B	Navy	A-4E configured for permanent testing.
A-4F	McDonnell Douglas	Skyhawk	1 J52-P-8A/-8B	Navy	Improved A-4 with new engine, ejection seat, lift spoilers, nose wheel steering, and improved avionics (1 crew).
EA-4F	McDonnell Douglas	Skyhawk	1 J52-P-6A/-6B/-8A	Navy	TA-4F modified for ECM missions.
NA-4F	McDonnell Douglas	Skyhawk	1 J52-P-8A/-8B	Navy	A-4F configured for permanent testing.
TA-4F	McDonnell Douglas	Skyhawk	1 J52-P-6A/-6B/-8A	Navy	A-4F modified with dual controls and longer forward fuselage (2 crew).
NTA-4F	McDonnell Douglas	Skyhawk	1 J52-P-6A	Navy	TA-4F configured for permanent testing.
TA-4J	McDonnell Douglas	Skyhawk	1 J52-P-6A	Navy	TA-4F equipped for shrike, bullpup, buddy store refueling, AN/APG-53 radar doppler, and AN/ASN/41 navigation computer. Primarily configured for advanced training command.
NTA-4J	McDonnell Douglas	Skyhawk	1 J52-P-6A	Navy	TA-4J aircraft permanently configured as test bed.
A-4L	McDonnell Douglas	Skyhawk	1 J65-W-20	Navy	A-4C with new engine, wing lift spoilers, walleye and strike capability, and improved avionics.
A-4M	McDonnell Douglas	Skyhawk	1 J52-P-408	Navy	A-4F with new engine, enlarged canopy, increased ammunition capacity, and drag chute.
NA-4M	McDonnell Douglas	Skyhawk	1 J52-P-408	Navy	A-4M configured for permanent testing.
OA-4M	McDonnell Douglas	Skyhawk	1 J52-P-6A/-6B/-8A	Navy	A-4M modified for use by Marine Corps in high-speed reconnaissance and tactical air control.
RA-5C	North American Rockwell	Vigilante	2 J79-GE-8B/-8C/-10	Navy	Airborne platform for integrated operational intelligence system. Provides all-weather tactical intelligence using photo, radar, infrared (IR), and electronics techniques.
A-6A	Grumman	Intruder	2 J52-P-6A/-6B/-8A/-8B	Navy	All-weather, low-altitude, carrier-based attack aircraft for land/sea interdiction and close air support (2 crew).

ATTACK SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
EA-6A	Grumman	Intruder	2 J52-P-8A/-8B	Navy	A-6A configured for tactical ECM mission (2 crew).
JA-6A	Grumman	Intruder	2 J52-P-6A/-6B/-8A/-8B	Navy	A-6A modified as test bed for circulation control wing Research and Development (R&D) effort.
NA-6A	Grumman	Intruder	2 J52-P-6A/-6B/-8A/-8B	Navy	A-6A configured for permanent testing.
A-6B	Grumman	Intruder	2 J52-P-6A/-8A	Navy	Improved A-6A configured with standard anti-radar missile system.
EA-6B	Grumman	Prowler	2 J52-P-8A/-8B/-408	Navy	Improved EA-6A with longer fuselage, more versatile electronic surveillance system and more powerful jammers (4 crew).
A-6C	Grumman	Intruder	2 J52-P-8A	Navy	Trim version of A-6A with beacon receiver system, multi-sensor displays, and removable centerline pod containing integrated electro-optical sensors.
KA-6D	Grumman	Intruder	2 J52-P-6A/-8A	Navy	A-6A modified for aerial refueling (2 crew).
A-6E	Grumman	Intruder	2 J52-P-8A/-8B	Navy	Improved A-6A.
NA-6E	Grumman	Intruder	2 J52-P-8B	Navy	A-6E reconfigured for test and evaluation operations.
A-6F	Grumman	Intruder	2 F404-GE-400D	Navy	A-6E modified with advanced radar and armament system along with higher thrust engines and increased landing weight.
A-7A	LTV Aerospace	Corsair II	1 TF30-P-6	Navy	Light, single-place, carrier-based, attack aircraft. Used primarily for tactical strike, close air support, and interdiction missions.
NA-7A	LTV Aerospace	Corsair II	1 TF30-P-6	Navy	A-7A configured for permanent testing.
A-7B	LTV Aerospace	Corsair II	1 TF30-P-8/-408	Navy	Improved A-7A with new engine and variable position
A-7C	LTV Aerospace	Corsair II	1 TF30-P-8/-408	Navy	Improved A-7B with Navy weapons delivery system. Carries one 20mm M61A1 gun.
NA-7C	LTV Aerospace	Corsair II	1 TF30-P-8/-408	Navy	A-7C configured for permanent testing.
TA-7C	LTV Aerospace	Corsair II	1 TF30-P-8/-408	Navy	A-7B and A-7C aircraft modified as carrier replacement air wing trainers (2 crew).

ATTACK SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
A-7D	LTV Aerospace	Corsair II	1 TF41-A-1	Air Force (AF)	AF version of A-7A.
YA-7D	LTV Aerospace	Corsair II	1 TF41-A-1	AF	Prototype A-7D.
A-7E	LTV Aerospace	Corsair II	1 TF41-A-2	Navy	Improved A-7B with new Navy weapons delivery system and one 20mm M61A1 gun.
NA-7E	LTV Aerospace	Corsair II	1 TF41-A-2	Navy	A-7E configured for permanent testing.
A-7G	LTV Aerospace	Corsair II	1 TF41-A-2	Swiss Navy	A-7 with airframe and equipment changes for Swiss Government.
EA-7L	LTV Aerospace	Corsair II	1 TF-30-P-408 TF-41-A-2	Navy	TA-7C modified to fleet electronic warfare support group configuration.
A-7P	LTV Aerospace	Corsair II	1 TF30-P-408	Portuguese Navy	Improved A-7C modified for Portuguese Government.
TA-7P	LTV Aerospace	Corsair II	1 TF30-P-408	Portuguese Navy	2-seat training version of A-7P for Portuguese Government.
A-10A	Fairchild Hiller	Thunderbolt II	2 TF34-GE-100	AF	Close air support aircraft with short field landing and takeoff capability. Survivability increased by armor protection and redundant systems (1 crew).
OA-10A	Fairchild Hiller	None	2 TF34-GE-100	AF	Aircraft refitted to fulfill the forward air control mission.
A-12A	McDonnell Douglas/GD	Avenger	2 F404-GE-F502	Navy	All weather, 2-crew attack aircraft. Carrier based used for land and sea interdiction and close air support.
A-18A	McDonnell Douglas/Northrop	Hornet	2 F404-GE-100	Navy	Attack version of the F-18A. Single-place, supersonic, carrier-based jet.
FA-18A	McDonnell Douglas/Northrop	Hornet	2 F404-GE-400	Navy	Previously designated F-18A and FA-18A. Dual fighter/attack mission capability.
NFA-18A	McDonnell Douglas/Northrop	Hornet	2 F404-GE-400	Navy	FA-18A configured for permanent testing.
RFA-18A	McDonnell Douglas/Northrop	Hornet	2 F404-GE-400	Navy	Previously designated F-18A and A-18A. Used for tactical reconnaissance.

ATTACK SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
TFA-18A	McDonnell Douglas/Northrop	Hornet	2 F404-GE-400	Navy	Previously designated F-18A and A-18A. 2-seat aircraft used for training.
FA-18B	McDonnell Douglas	Hornet	2 F404-GE-400	Navy	2-seat FA-18A, fully combat-capable.
NFA-18B	McDonnell Douglas	Hornet	2 F404-GE-400	Navy	FA-18B configured for permanent testing.
FA-18C	McDonnell Douglas	Hornet	2 F404-GE-400	Navy	Single seat plane with airborne self-protection jammer and other modifications.
NFA-18C	McDonnell Douglas	Hornet	2 F404-GE-400	Navy	FA-18C configured for permanent testing.
FA-18D	McDonnell Douglas	Hornet	2 F404-GE-400	Navy	2-seat FA-18C.
NFA-18D	McDonnell Douglas	Hornet	2 F404-GE-400	Navy	FA-18D configured for permanent testing.
FA-22A	Lockheed Martin	Raptor	2 F119-PW-100	AF	Attack of F-22A. Single seat model.
OA-37B	Cessna	Dragonfly	2 J85-GE-17A	AF	A-37B observation aircraft.

<u>BOMBER SERIES</u>					
MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
B-1B	North American Rockwell	Lancer	4 F-101-GE-102	AF	Improved B-1A with increased weight and better automatic terrain-following capability.
B-2A	Northrop	Spirit	4 GE-F18	AF	Advanced technology bomber that incorporates stealth Technology. Has long range and large payload.
FB-22A	Lock heed Martin	Raptor	2 F119-PW-100	AF	Bomber version of F-22B. Dual-seat model
EB-47E	Boeing	Stratojet	6 J47-GE-25/-25A	Navy	Multi-engine jet aircraft with swept tail surfaces and special electronic equipment (3 crew).
NB-47E	Boeing	Stratojet	6 J47-GE-25/25A	Navy	EB-47E configured for permanent testing.
NB-52B	Boeing	Stratofortress	8 J57-P-19W/-29W A J57-F-19W/-29W	AF	High-speed, high-altitude, land-based, heavy strategic bomber. Has high-swept wing, eight main wheels, and small outrigger wheels at wing tip (6 crew).
B-52H	Boeing	Stratofortress	8 TF33-P-3 P&W	AF	Upgraded B-52G with new engines, ECM equipment (6 crew).
EB-57B	Martin	Canberra	2 J65-W-5/-5B J65-B-5/-5B	AF	Wide body, short-wing tactical bomber modified to provide electronic countermeasure targets for ground and airborne radar systems (2 crew).
WB-57F	Martin	Canberra	2 TF33-P-11A J60-P-9	AF	Long-wing version of B-57B/C models modified for high altitude weather reconnaissance.
FB-111A	General Dynamics	None	2 TF30-P-7	AF	Bomber version of F-111A.

CARGO/TRANSPORT SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
C-1A	Grumman	Trader	2 R-1820-82/-82A White	Navy	All-weather, instrument flight trainer and light transport with tricycle landing gear. Similar to S-2A aircraft (2 crew, 9 passengers).
C-2A	Grumman	Greyhound	2 T56-A-8/-8A/-8B	Navy	Carrier-based light transport providing logistic support for fleet operations (3 crew).
C-4A	Grumman	Academe	2 Mk-529-8X	Coast Guard (CG)	Gulfstream I modified for CG operations.
TC-4C	Grumman	Academe	2 Mk-529-8X Rolls Royce	Navy	C-4A modified as a bombardier/navigator trainer
C-5A	Lockheed	Galaxy	4 TF39-GE-1C	AF	Long-range air refuelable transport. High swept wing, high T-tail empennage, fuselage-mounted landing gear, visor front, and rear cargo opening for straight through loading and unloading (6 crew).
C-5B	Lockheed	Galaxy	4 TF39-GE-1C	AF	C-5A with upgraded landing gear and more durable, corrosion-resistant alloy skin on fuselage and wings.
C-5C	Lockheed	Galaxy	4 TF39-GE-1C	AF	C-5A with upgraded landing gear and more durable corrosion-resistant alloy skin on fuselage and wings. Cargo bay modified to carry solid rocket boosters of space shuttle system.
C-5M	Lockheed Martin	Galaxy	1 4CF6-80C2L1F	AF	Aircraft modified with the Avionics Modernization Program with a digital glass cockpit.
C-7A	Dehavilland	Caribou	2 R-2000-7M-2 P&W	Army	All-weather transport designed for STOL in forward battle areas on improved strips. (3 crew, 6000 lbs. cargo, 31 passengers, 25 paratroops, or 20 litter patients).
YC-7A	Dehavilland	Caribou	2 R-2000-7M-2	Army	Prototype C-7.
RC-7B	Dehavilland	Caribou	2 PT6A-50	Army	C-7A modified with a reconnaissance mission suite and an extended range capability.
C-9A	McDonnell Douglas	Nightingale	2 JT-8D-9A P&W	AF	Low-wing, medium-sized, T-tail transport for domestic and intra-theater aeromedical evacuation. Military version of DC-9 (7 crew, 30 stretcher patients or 40 ambulatory patients).

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
C-9B	McDonnell Douglas	Skytrain II	2 JT-8D-9A	Navy	Navy version of DC-9 (2 crew, 90 passengers or eight standard military cargo pallets (type 463L)).
C-9C	McDonnell Douglas	Nightingale	2 JT-8D-9A	AF	C-9A with different cargo door and staff transport interior (3 crew, 42 passengers, and 4 flight attendants).
KC-10A	McDonnell Douglas	Extender	3 CF6-50C2	AF	Military version of DC-10. Provides long-range air/refueling and cargo airlift for non-stop deployment of combat forces.
C-11A	Grumman	Gulfstream II	2 Mk-511-8	CG	Swept wing turbofan for long-range staff transport. Grumman model G-1159 Gulfstream II (4 crew, 12 passengers).
C-12A	Beech	Huron	2 PT-6A-3B	Army	Military version of Beech Super King Air. Twin turbo prop, pressurized cab in aircraft. Equipped for Instrument Flying Rules(IFR) operations in high-density traffic. Used for attaché and security assistance support.
NC-12B	Beech	Huron	2 PT6A-41 Turboprop	Navy	UC-12B aircraft Buno 161311 configured with four P-3C Sonobouy launchers.
TC-12B	Beech	None	2 Pratt & Whitney	Navy	Training version of the UC-12B used to support the fleet maritime pilot training program.
UC-12B	Beech	Huron	2 PT6A-41	Navy	Navy version of C-12A with cargo door.
C-12C	Beech	Huron	2 PT-6A-41	Army/AF	C-12A with upgraded engines to increase range and performance.
C-12D	Beech	Huron	2 PT-6A-41	AF/Army	C-12C with larger cargo door, high flotation landing gear, and stronger wing.
RC-12D	Beech	Huron	2 PT6A-41	Army	C-12D modified to perform signal intelligence and electronic surveillance missions (Guardrail).
C-12F	Beech	Huron	2 PT-6A-42	AF	Operational support transport version of commercial Super King Air B200C (2 crew, 8 passengers).
RC-12F	Beech	Huron	2 PT6A-42	Navy	UC-12F specially equipped with surface search radar and operator console.
UC-12F	Beech	Huron	2 PT6A-42	Navy	Upgraded UC-12B with upgraded avionics, landing gear, and engine.
RC-12G	Beech	Huron	2 PT6A-41	Army	Beech A200CT modified to provide near real time intelligence support to tactical commanders in the field (2 crew).

CARGO/TRANSPORT SERIES-Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RC-12H	Beech	Huron	2 PT6A-41	Army	Modified RC-12D with improved signal intelligence for electronic surveillance missions (Guardrail V).
C-12J	Beech	Huron	2 PT-6A-65B	AF	Stretched version of C-12F with increased cargo capacity for use by Air National Guard (ANG) (2 crew, 19 passengers).
RC-12K	Beech	Huron	2 PT6A-67	Army	Modified C-12 used to provide both communication and electronics intelligence reconnaissance
C-12L	Beech	Huron	2 PT-6A-41	Army	Modified U-21J Beech A100 models. Originally purchased for the Cefly Lancer program.
RC-12M	Beech	Huron	2 PT6A-42	Navy	UC-12M modified with new wings, surface search radar, and mission control console used for reconnaissance missions.
UC-12M	Beech	Huron	2 PT6A-42	Navy	UC-12B and UC-12F modified with unique cockpit instruments, lighting, and voice communications.
RC-12N	Beech	Huron	2 PT6A-67	Army	RC-12K modified with improved primary mission equipment, increased payload, and upgraded engines.
RC-12P	Beech	Huron	2 PT6A-67	Army	Modified RC-12N with different external configuration, improved primary mission equipment, data link capability, fiber optic cabling, and increased takeoff weight.
RC-12Q	Beech	Huron	2 PT6A-67	Army	RC-12P modified with Professional Military Education improvements including a top mounted radome.
C-12R	Beech	Huron	2 PT-6A-42	Army	C-12F modified to incorporate Bendix King electronic flight instrumentation system.
C-12S	Beech	Huron	2 PT-6A-60A	Army	Beech model 350 with seating for 8-15 passengers and quick cargo configuration adaptability.
C-12T	Beech	Huron	2 PT-6A-42	Army	Complete cockpit configuration change and update. Meets global air traffic management directives.
C-12U	Beech	Huron	2 PT-6A-42	Army	Updated cockpit configuration from the C-12F. Meets global air traffic management directives.
YC-14A	Boeing	None	2 CF-6-50A-GE	AF	Prototype STOL transport with high wing, T-tail, rear cargo loading door, and tricycle landing gear for unimproved field operations. Engines mounted above and forward of wings (2 crew).

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
YC-15A	McDonnell Douglas	None	4 JT-8D P&W	AF	Prototype STOL transport similar to YC-14A. Engines mounted on pylons beneath the high wing. Jet exhaust directed on flaps provides lift.
C-17A	McDonnell Douglas	Globemaster III	4 F117	AF	Inter and intra theater outsize-cargo, STOL transport capable of operating from small remote airfields. Equipped with conventional airdrop and low altitude parachute extraction system.
C-18B	Boeing	None	4 JT3D-7	AF	C-18A modified with various equipment and instrumentation to support the Military Strategic and Tactical Relay System (MILSTAR) program.
EC-18B	Boeing	ARIA	4 JT3D-7	AF	Boeing 707-300 series modified for advanced range instrumentation aircraft (ARIA) missions.
EC-18D	Boeing	CMMCA	4 JT3D-7	AF	Modified C-18A used to support cruise missile mission control aircraft (CMMCA).
TC-18E	Boeing	None	4 TF33-PW-100A	AF	Boeing 707-300 series aircraft modified for E-3 pilot/crew training.
TC-18F	Boeing	None	4 JT3D-3B	Navy	Boeing 707-300 series aircraft modified for E-6 pilot training.
C-20A	Gulfstream Aerospace Corp	Gulfstream III	2 Mk-511-8 R-R Spey	AF	Gulfstream III modified as staff transport (5 crew, 14 passengers).
C-20B	Gulfstream Aerospace Corp	Gulfstream III	2 Mk-511-8 R-R Spey	AF	Operates on DC power. Upgraded avionics used for the President and other high-ranking officials.
C-20C	Gulfstream Aerospace Corp	Gulfstream III	2 Mk-511-8 R-R Spey	AF	Modified C-20B with enhanced, secure communications. Used to support senior-level personnel and to provide backup for Air Force One.
C-20D	Gulfstream Aerospace Corp	Gulfstream III	2 Mk-511-8 R-R Spey	Navy	C-20B with modified communications equipment.
C-20E	Gulfstream Aerospace Corp	Gulfstream III	2 Mk-511-8 Rolls Royce	Army	C-20B modified with different interior furnishings, avionics, and exterior paint and markings.

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
C-20F	Gulfstream Aerospace Corp	Gulfstream IV	2 Mk-661-8 Rolls Royce	Army	Basic production Gulfstream IV aircraft modified with executive interior and additional avionics for use as a staff transport (5 crew, 14 passengers).
C-20G	Gulfstream Aerospace Corp	Gulfstream IV	2 Mk-661-8 Rolls Royce	Navy	C-20F modified with a cargo door, cargo floor, and seating (4 crew, 26 passengers).
C-20H	Gulfstream Aerospace Corp	Gulfstream IV	2 Mk-611-8 Turbofan	AF	C-20F modified with extended fuselage and enhanced Rolls Royce cockpit software package (5 crew, 12 passengers).
C-20J	Gulfstream Aerospace Corp	Gulfstream IV	2 Mk-511-8 Rolls Royce	Army	Gulfstream aircraft (G-1159) modified to include cockpit, interior, galley, exterior, and flight management system. Used for transport of U.S. Army senior staff executives (5 crew, 12 passengers).
C-21A	Gates Learjet	None	2 TFE-731	AF	Operational support transport version of commercial Learjet 35A (2 crew, 6 passengers).
NC-21A	Gates Learjet	None	2 TFE-731	AF	Modification of C-21A to support operational test flight projects to develop Global Positioning System (GPS) technologies for satellite-based navigation standards in all phases of flight.
C-22A	Boeing	None	3 JT8D-7A	AF	Staff transport version of commercial Boeing 727.
C-22B	Boeing	None	3 JT8D-7	AF	Boeing 727-100 modified for ANG support missions.
C-23A	Short Bros. Ltd.	None	2 PT6A-45R	AF	High-wing, unpressurized cargo transport with full width aft loading ramp. Version of commercial 330/Sherpa.
C-23B	Short Bros. Ltd.	None	2 PT6A-65AR	Army	C-23A modified with larger wings, bigger engines, 6-blade propellers, and inward opening doors to provide airdrop capabilities.
C-23C	Short Bros. Ltd.	None	2 PT6A-65AR	Army	Modified C-23B aircraft with cockpit upgrade for compliance with global air traffic management requirements.
EC-24A	Douglas	None	4 JT3D-3	Navy	Upgraded United Airlines DC-8-54F (freighter) used to simulate command, control, and communications (C3) threat.

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
VC-25A	Boeing	Air Force One	4 GE CF6-80-C2B1	AF	Boeing 747-200B. Modified to meet the transportation requirements of the President of the United States.
C-26A	Fairchild Aircraft Corp	None	2 Garrett TPE331-11U	AF	Fairchild SA-227 twin turboprop, fixed-wing, medium range utility aircraft used to replace ANG C-131 aircraft.
C-26B	Fairchild Aircraft Corp	None	2 TPE331-12UA-701 G	AF	C-26A modified with upgraded engines and upgraded avionics suite.
UC-26C	Fairchild	None	2 Garrett TPE331-7	AF	C-26A modified with integrated sensor package consisting of forward looking infrared (FLIR) and high resolution radar for the ANG.
C-26D	Fairchild Aircraft Corp	None	2 TPE331-12UA-701 G	Navy	A new global GPS and an additional Tactical Air Navigation radio over the existing C-26B.
C-27A	Aeritalia	None	2 GE T64-GE-P4	AF	STOL intra theater airlift aircraft used to support theater requirements.
C-28A	Cessna	None	2 GTSIO-520-M	Navy	Cessna 404 used to transport personnel, eight to ten passengers, and some cargo.
C-29A	British Aerospace	Hawker	2 TFE 731-5R-1H Garrett	AF	All-weather cargo aircraft with a range of 2400 nautical miles (5 crew). Used to accomplish the combat flight inspection and navigation mission.
C-31A	Fokker	None	2 Rolls Royce Dart 7 Turbo	Army	Twin engine cargo aircraft used in support of the U.S. Army parachute team.
C-32A	Boeing	The Legacy	2 P&W 2040	AF	Fixed-wing transport (special air mission). Federal Aviation Administration-certified, intercontinental, passenger transport. Large C-137 replacement aircraft.
C-32B	Boeing	None	2	AF	Mission support aircraft used to meet transportation requirements of Government Agencies.
UC-35A	Cessna	None	2 JT15D-5D	Army	Commercial Cessna model 560 Citation V Ultra.

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
UC-35B	Cessna	None	2 P&W, Canada 535A	Army	Updated UC-35A model with new engines and extended range.
UC-35C	Cessna	None	2 P&W JT15D-5D	Navy	Different communication/navigation (comm/nav) systems and enhanced ground proximity warning systems (EGPWS).
UC-35D	Cessna	None	2 Pratt/Whitney535 A	Navy	Cessna encore version with EGPWS and different comm/nav equipment than the Army UC-35.
C-37A	Gulfstream	None	2	AF	Fixed-wing transport (special air mission-passenger). Small C-137 replacement aircraft.
C-38A	Allied Signal Aerospace	None	2 TFE 731-40 Garrett	AF	Fixed-wing transport (operational support airlift) for the ANG.
C-40A	Boeing	None	2 CFM56-7B24	Naval Reserve	737-700 aircraft replaces the C-9B for the Naval Reserve. It has increased gross weight and rapidly changes roles from transport to cargo.
C-40B	Boeing	None	2 CFM65-7B27/B3	AF	C-40A modified to include a distinguished visitor compartment and a communication system operator workstation.
C-40C	Boeing	None	2 CFM65-7B27/B3	ANG	C-40A modified to include a convertible cargo area.
C-41A	CASA-Spain	None	2 Garrett/TPE331-10	AF	Light, multi-purpose, transport capable of high frequency day/night operation, mainly from secondary airfields.
C-47T	Douglas Aircraft Baslet Fit Ser.	Skytrain	2 PT-6A-67R	FMS AF	C-47 series aircraft modified by lengthening fuselage and replacing reciprocating engines with turboprop engines.
C-117D	McDonnell Douglas	Skytrain	2 R-1820-80A Wright	Navy	Low wing transport (3 crew, 35 troops, or 27 litters).
NC-117D	McDonnell Douglas	Skytrain	2 R-1820-80A Wright	Navy	C-117D configured for permanent testing.
TC-117D	McDonnell Douglas	Skytrain	2 R-1820-80A Wright	Navy	C-117D modified for navigation training (3 crew, 8 students).
C-118B	McDonnell Douglas	Liftmaster	4 R-2800-52W P&W	Navy	Cargo/passenger transport similar to commercial Douglas DC-6A (6 crew, 79 troops, or 60 litters).

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
EC-121K	Lockheed	Warning Star	4 R-3350-42 Wright	Navy	C-121C (Super Constellation) modified as search airplane with bottom and top radar antenna (26 crew).
NC-121K	Lockheed	Warning Star	4 R-3350-42 Wright	Navy	EC-121K configured for permanent testing.
C-123K	Fairchild Hiller	Provider	2 R-2800-99W P&W/ J85-GE-17	AF	Tactical transport with auxiliary jet engines.
UC-123K	Fairchild Hiller	Provider	2 R-2800-99W P&W/ J85-GE-17	AF	C-123K modified for aerial spray operations.
C-130A	Lockheed	Hercules	4 T56-A-9/-9A/-9B	AF	High wing, medium range transport (4 crew, 92 troops, or 70 litters).
AC-130A	Lockheed	Spectre	4 T56-A-1A/-9	AF	C-130A modified as gunship.
DC-130A	Lockheed	Hercules	4 T56-A-1A/-9/-9A	AF/Navy	C-130A modified to control drone aircraft or missiles. Formerly designated GC-130A (4 crew (AF), 8 crew(Navy)).
NC-130A	Lockheed	Hercules	4 T56-A-9/-9A/-9B	AF	Modified C-130A for (assets) testing.
C-130B	Lockheed	Hercules	4 T56-A-7/-7A	AF	Improved C-130A.
NC-130B	Lockheed	Hercules	4 T56-A-7/-7A	AF	C-130B modified for unmanned aerospace vehicle flight testing.
C-130D	Lockheed	Hercules	4 T56-A-9/-9A/-9B	AF	C-130A modified with skis for advance base operations. Two external 450-gallon fuel tanks (4 crew, 92 troops, or 74 litters).
C-130E	Lockheed	Hercules	4 T56-A-7/-7A	AF	Improved C-130B (5 crew, 92 troops, or 74 litters).
EC-130E	Lockheed	ABCCC	4 T56-A-7/-7A	AF/CG	C-130E modified by removing external pylon tanks and adding radio operator/navigator positions and long-range radio aid to navigation calibration equipment. AF version configured as ABCCC.
MC-130E	Lockheed	Combat Talon I	4 T56-A-7/-15A	AF	C-130E modified for special operations forces missions (Combat Talon I).
NC-130E	Lockheed	Hercules	4 T56-A-7/-7A	AF	C-130E modified with permanent test instrumentation for fleet upgrades.
C-130F	Lockheed	Hercules	4 T56-A-7/-7A	Navy	KC-130F with aerial refueler kit (tanks and pods). Cargo aerial delivery system removed (7 crew).

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
KC-130F	Lockheed	Hercules	4 T56-A-16	Navy	C-130B modified as tactical tanker (7 crew).
LC-130F	Lockheed	Hercules	4 T56-A-16	Navy	Ski-equipped C-130B (7 crew, 92 troops, or 74 litters).
EC-130G	Lockheed	None	4 T56-A-423	Navy	C-130E with take charge and move out communication system AN/USC-13(V) installed.
C-130H	Lockheed	Hercules	4 T56-A-15	AF	C-130E with new engines and comm/nav equipment.
AC-130H	Lockheed	Spectre	4 T56-A-15	AF	Improved AC-130A.
EC-130H	Lockheed	Compass Call	4 T56-A-15	AF	Special electronic configuration of C-130H (Compass Call).
HC-130H	Lockheed	Hercules	4 T56-A-15	AF/CG	C-130H with special equipment for search/rescue missions and aerial recovery assignments (5 crew).
LC-130H	Lockheed	Hercules	4 T56-A-15	AF	C-130H with skis for cold weather operations for the ANG.
MC-130H	Lockheed	Combat Talon II	4 T56-A-15	AF	C-130H modified for special operations forces missions (Combat Talon II).
NC-130H	Lockheed	Hercules	4 T56-A-15	AF	Formerly DC-130H. Permanently configured for special testing.
TC-130H	Lockheed Martin	Hercules	4 T56-15	AF	Used as a pilot proficiency trainer only.
WC-130H	Lockheed	Hercules	4 T56-A-15	AF	C-130H modified to weather reconnaissance configuration similar to WC-130E.
C-130J	Lockheed	Hercules	4 T56-A-15	AF	Improved C-130 with new engines/propellers and integrated digital avionics 2-person flight station.
C-130J	Lockheed Martin	Hercules	4 AE2100D3	AF/ANG	Identical to the other C-130J except that it is 180 inches longer and has more switches and locks in the enhanced cargo handling system. Previously designated CC-130J.
EC-130J	Lockheed	Commando Solo	4 AE2100D3	AF	C-130J modified to perform command and control (C2) or special missions.

WC-130J	Lockheed	None	4 AE2100D3	AF	C-130J modified to perform weather reconnaissance
C-130K	Lockheed	Hercules	4 T56-A-15	UK	C-130E with different engines, British comm/nav equipment, redesigned cargo floor, and tie down grid pattern (5 crew).

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
HC-130N	Lockheed	King	4 T56-A-15	AF	C-130H modified with C-130E radome and new center wing section. Also modified to refuel helicopters aerially.
HC-130P	Lockheed	King	4 T56-A-15	AF	HC-130H modified to refuel helicopters aerially.
MC-130P	Lockheed	Combat Shadow	4 T56-A-15	AF	HC-130N/P aircraft modified to add required operational capabilities.
EC-130Q	Lockheed	None	4 T56-A-423	Navy	Similar to EC-130G aircraft. Capable of communicating with submerged submarines.
KC-130R	Lockheed	Hercules	4 T56-A-16	Navy	Navy version of C-130H configured for refueling operations.
LC-130R	Lockheed	Hercules	4 T56-A-16	Navy	Navy version of C-130E with different engines, comm/nav equipment, and cold weather modifications, such as skis.
C-130T	Lockheed	Hercules	4 T56-A-16	Navy	KC-130T tanker without aerial refueling equipment.
KC-130T	Lockheed	Hercules	4 T56-A-16	Navy	Upgraded KC-130R.
AC-130U	Lockheed	Spooky	4 T56-A-15	AF	C-130 procured and modified to a gunship configuration to replace the AC-130H.
EC-130V	Lockheed	None	4 T56-A-15	CG	HC-130H modified with fuselage-mounted, rotating dish radome for detecting and tracking aircraft surface vessels involved in smuggling. Used for maritime defense zone C2.
C-131B	General Dynamics	Samaritan	2 R-2800-103W P&W	AF	Electronic equipment test bed transport. AF version of Convair 340 (3 crew).
C-131F	General Dynamics	Samaritan	2 R-2800-52W P&W	Navy	Navy version of C-131E.
C-131G	General Dynamics	Samaritan	2 R-2800-52W P&W	Navy	Cargo/personnel transport version of Convair 440 (3 crew, 44 passengers, or 21 litters).
NC-131H	General Dynamics	Samaritan	2 501-D13H P&W	AF	Test configured C-131D.

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
KC-135A	Boeing	Stratotanker	4 J57-P/F-43WB/-59W	AF	C-135A equipped with flying boom for aerial refueling. May be used as a cargo/troop transport (4 crew, 80 passengers).
NKC-135A	Boeing	Stratotanker	4 J57-P/F-43WB/-59W	AF	Test configured KC-135A.
C-135B	Boeing	Stratolifter	4 TF33-P-5	AF	Improved C-135A.
EC-135B	Boeing	None	4 TF33-P-5	AF	C-135B modified as ARIA (includes larger nose radome).
OC-135B	Boeing	Open Skies	4 TF33-P-5	AF	WC-135B modified for use as an observation platform to support the open skies treaty.
WC-135B	Boeing	None	4 TF33-P-5	AF	C-135B modified for weather reconnaissance.
C-135C	Boeing	Stratolifter	4 TF33-P-5	AF	Improved C-135B with different radio, navigation, electrical systems, and cockpit configuration.
EC-135C	Boeing	Looking Glass	4 TF33-P-9	AF	Improved C-135B with different engines and electronics for airborne command post and communication relay capability. Formerly KC-135B.
WC-135C	Boeing	None	4 TF33-P9 P&W	AF	Modified EC-135C, serial # 62-3582, for atmospheric and meteorological sampling missions.
KC-135D	Boeing	Stratotanker	4 J57-59	AF	Formerly RC-135A. Modified to partial KC-135A configuration.
C-135E	Boeing	Stratolifter	4 TF-33-PW-102 (JT3D-3B)	AF	C-135A modified for particular missions by United States Air Force (USAF) direction.
EC-135E	Boeing	ARIA	4 TF-33-PW-102 (JT3D-3D)	AF	C-135A modified for particular missions by USAF direction.
KC-135E	Boeing	Stratotanker	4 TF-33-PW-102 (JT3D-3B)	AF	KC-135A re-engined with engines from Boeing 707 aircraft.
NKC-135E	Boeing	Stratotanker	4 TF-33-PW-102 (JT3D-3B)	AF	KC-135A re-engined with engines from Boeing 707 aircraft.

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
C-135F	Boeing	Stratolifter	4 J57-P/F-59W	French AF	Modified C-135A used by France for tanker, cargo and troop carrier, and air evacuation (4 crew, 126 troops or 44 litters).
EC-135G	Boeing	None	4 J57-P/F-59W P&W/Ford	AF	KC-135A modified for airborne national command post.
EC-135H	Boeing	None	4 J57-P/F-59W P&W/Ford	AF	KC-135A modified for airborne national command post.
EC-135J	Boeing	None	4 TF33-P-9	AF	Formerly KC-135B modified for airborne national command post.
EC-135K	Boeing	None	4 J57-P/F-59W	AF	KC-135A modified for deployment control.
EC-135L	Boeing	None	4 J57-P/F-59W P&W/Ford	AF	KC-135A modified for radio relay and Amplitude Modulation dropout capability.
EC-135N	Boeing	None	4 J57-P/F-43WB	AF	C-135A with electronics modification as ARIA. Large nose radome.
EC-135P	Boeing	None	4 J57-P/F-59W P&W/Ford	AF	KC-135A modified for airborne national command post.
KC-135R	Boeing	Stratotanker	4 F108-CF100(CFM-56)	AF	KC-135A with higher thrust, turbofan engines.
RC-135S	Boeing	Cobra Ball	4 TF33-P-5	AF	Formerly RC-135. Modified to classified reconnaissance capability.
TC-135S	Boeing	Stratolifter	4 TF33-P-5	AF	Formerly EC-135B. Modified for RC-135's flight crew training.
KC-135T	Boeing	Stratotanker	4 F108-CF100 (CFM-56)	AF	KC-135Q with higher thrust, turbofan engines.
RC-135U	Boeing	Combat Sent	4 TF33-P-9	AF	Formerly RC-135C. Modified to classified configuration.
RC-135V	Boeing	Rivet Joint	4 TF33-P-5	AF	RC-135M modified to classified configuration.
NC-135W	Boeing	None	4 TF-33-P5	AF	Aircraft serial # 61-2666 has been modified for systems and equipment testing.
RC-135W	Boeing	Rivet Joint	4 TF33-P-5	AF	Supports classified program.
TC-135W	Boeing	Stratolifter	4 TF33-P-5	AF	Training version of RC-135W with special mission equipment removed.

CARGO/TRANSPORT SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
WC-135W	Boeing	None	4 TF33-P-5	AF	WC-135B modified to "-135W" configuration.
RC-135X	Boeing	None	4 TF33-P-5	AF	Formerly EC-135B. Modified for classified mission.
EC-135Y	Boeing	None	4 J57-P/F-43 WB/59W	AF	Formerly NKC-135. Reconfigured as C3 aircraft for Commander-in-Chief, United States Central Command.
C-137B	Boeing	Stratoliner	4 JT3D-3B P&W	AF	Boeing 707-320 modified as staff transport for special air missions. Engineering changes increase range and performance (7 crew, 36 passengers).
C-137C	Boeing	Stratoliner	4 JT-3D-3B P&W	AF	C-137B with longer fuselage (7 crew, 49 passengers).
EC-137D	Boeing	None	4 JT3D-3B	AF	Boeing 707 with extended fuselage and JT3D-3B engines used to provide airborne C3 for Commander-in-Chief, Special Operations Command.
NC-141A	Lockheed	Starlifter	4 TF33-P-7	AF	Test configured C-141A.
C-141B	Lockheed	Starlifter	4 TF33-P-7	AF	Stretched C-141A with 23 feet added to fuselage, improved wings, and aerial refuel capability.
C-141C	Lockheed	Starlifter	4 TF33-7	AF	Updated C-141B with addition of all weather flight control system and the global positioning enhanced navigation system.
KC-767A	Boeing	None	2 CF6-80C2B7F	AF	Commercial Derivative Air Refueling Aircraft able to offload fuel via boom and drogue.

ELECTRONIC SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
E-1B	Grumman	Tracer	2 R-1820-82A Wright	Navy	Light, high-wing, carrier-based aircraft with tricycle landing gear equipped for airborne early warning operations (4 crew).
TE-2A	Grumman	Hawkeye	2 T56-A-8/-8A/-8B	Navy	E-2B with air tactical data system removed and modified for training.
E-2B	Grumman	Hawkeye	2 T56-A-8/-8A/-8B	Navy	Early warning, C2 aircraft. Carrier-based for task force support (5 crew).
E-2C	Grumman	Hawkeye	2 T56-A-422	Navy	E-2B with improved engines, computer, radar, and new passive detection system.
TE-2C	Grumman	Hawkeye	2 T56-A-8/-8A/-8B	Navy	YE-2C modified for pilot training.
YE-2C	Grumman	Hawkeye	2 T56-A-8/-8A/-8B	Navy	Prototype E-2C with vapor cycle air system, redesigned rotodome larger nose section, and new avionics subsystem.
E-3A	Boeing	Sentry	4 TF-33-TF-100A	North Atlantic Treaty Organization (NATO)	Boeing model 707-300 series with large, fuselage-mounted, rotating dish radome. Used in command, control surveillance, weapons control, communications relay, self-defense, and threat evaluation/warning.
KE-3A	Boeing	Sentry	4 TF-33-100A PW-	Saudi AF	E-3A minus early warning radar and C2 systems. Modified for tanker/cargo mission with ventral boom and wingtip probe-and-drogue, cargo door, and reinforced cargo floor. Peace sentinel program.
RE-3A	Boeing	Sentry	4 CFM-56-2A-2	Saudi AF	Modified to function as a tactical airborne surveillance system.
E-3B	Boeing	Sentry	4 TF-33-PW-100A	AF	E-3A modified with upgraded computer and communications equipment.
RE-3B	Boeing	Sentry	4 CFM-56-2A-2	Saudi AF	Modified to function as an improved tactical airborne surveillance system.

ELECTRONIC SERIES-Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
E-3C	Boeing	Sentry	4 TF-33-PW-100A	AF	E-3A modified with upgraded computer and communications equipment. Equipped with APY-2 maritime radar.
E-3D	Boeing	Sentry	4 CFM-56	United Kingdom (UK)	USAF E-3A aircraft purchased by the UK and modified with CFM-56 engines and various other equipment.
E-3F	Boeing	Sentry	4 TF33-PW-100A	French AF	E-3 modified for use by French AF.
E-4B	Boeing	NAOC	4 F-105-PW-100	AF	Upgraded E-4E with major modifications in avionics, in-flight refueling, increased electrical power, environmental cooling, and higher thrust engines.
E-6A	Boeing	None	4 CFM-56	Navy	Communications relay variant of Boeing 707. Includes take charge and move out comm suite, wing-tip pods, trailing wire antenna, and four 75-KNA generators.
E-8A	Boeing, Northrop Grumman	Joint STARS		AF	Platform for Joint Stars.
TE-8A	Boeing Grumman	None	4 P&W KT3D-3B	AF	A single aircraft with prime mission electronic equipment removed. Used to supply flight crew training only.
E-8C	Boeing, Northrop Grumman	Joint STARS	4 P&W JT3D-3B	AF	Operational platform for Joint Stars.
E-9A	Dehavill and	None	2 PW12A	AF	2-engine prop aircraft with sea surveillance radar and data link for drone C2 relay missile firing information.
E- 0A	Boeing	None	2 To be determined	AF	The multi-sensor C2 aircraft.

FIGHTER SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
F-4B	McDonnell Douglas	Phantom II	2 J79-GE-8B/-8C	Navy	Carrier-based, all-weather fighter. Carries missiles and special stores (2 crew).
QF-4B	McDonnell Douglas	Phantom II	2 J79-GE-8B/-8C	Navy	F-4B modified as research, development, test, and evaluation target drone or director aircraft.
RF-4B	McDonnell Douglas	Phantom II	2 J79-GE-8B/-8C	Navy	F-4B equipped for photography.
F-4C	McDonnell Douglas	Phantom II	2 J79-GE-15	AF	AF version of F-4B. Carries optical and guided bombs, air-to-air missiles and cannon.
RF-4C	McDonnell Douglas	Phantom II	2 J79-GE-15	AF	F-4C modified for photographic and electronic reconnaissance missions.
QRF-4C	McDonnell Douglas	Phantom II	2 J79-GE-10/-17	AF	Full scale aerial target replacement for QF-106.
F-4D	McDonnell Douglas	Phantom II	2 J79-GE-15	AF	Upgraded F-4C with improved avionics for air-to-air and air-to-ground operations.
NF-4D	McDonnell Douglas	Phantom II	2 J79-GE-15/-17	AF	Extensively modified F-4D for test programs at the AF flight test center.
F-4E	McDonnell Douglas	Phantom II	2 J79-GE-17	AF/German Air Force (GAF)	Improved F-4D with extra fuel cells, maneuvering slats, improved radar, and internally mounted gun.
QF-4E	McDonnell Douglas	Phantom II	2 J79-GE-10/-17	AF	Full scale aerial target replacement for QF-106.
F-4F	McDonnell Douglas	None	2 GAF		Modified version of F-4E with missile and bombing capabilities limited.
F-4G	McDonnell Douglas	Phantom II	2 J79-GE-17	AF	F-4E modified to Wild Weasel configuration for defense suppression mission.
QF-4G	McDonnell Douglas	Phantom II	2 J79-GE-15/-17	AF	Full scale aerial target replacement for QF-106.
F-4J	McDonnell Douglas	Phantom II	2 J79-GE-8B	Navy	Upgraded F-4E aircraft equipped with AWG-10 pulse doppler radar and improved avionics.
EF-4J	McDonnell Douglas	Phantom II	2 J79-GE-8B	Navy	F-4J modified for electronic warfare missions.
YF-4J	McDonnell Douglas	Phantom II	2 J79-GE-8B	Navy	Prototype F-4J.

FIGHTER SERIES-Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
F-4K	McDonnell Douglas	Phantom II	2 Spey R. SP SR. Rolls Royce	UK Navy	Upgraded F-4B aircraft equipped with AWR-10 pulse doppler radar, extendable nose landing gear for catapulting, and dropped ailerons.
F-4M	McDonnell Douglas	Phantom II	2 Spey R. SP SR. Rolls Royce	RAF	RAF attack version of F-4K with inertial navigation system, anti-skid brakes, and instrument landing system, self-start capability.
F-4N	McDonnell Douglas	Phantom II	2 J79-GE-8B/-8C	Navy	F-4B upgraded during "beeline" modification.
F-4S	McDonald Douglas	Phantom II	2 J79-GE-10B	NAVY	F-4J modified for extended service life.
F-5A	Northrop	Freedom Fighter	2 J85-GE-13	FMS	Mid-wing, nose gun, fighter version of the T-38A (1 crew), for FMS program use.
F-5B	Northrop	Freedom Fighter	2 J85-GE-13	FMS	2-place fighter/trainer version of F-5A.
F-5E	Northrop	Tiger II	2 J85-GE-21	FMS	International fighter aircraft. Modified F-5A with different engines and updated/simplified avionics (1 crew).
RF-5E	Northrop	Tiger II	2 J85-GE-21	FMS	Reconnaissance version of F-5E with M-39 gun.
F-5F	Northrop	Tiger II	2 J85-GE-21	FMS	Upgraded F-5E, 2 seat fighter/trainer.
RF-8G	LTV Aerospace	Crusader	1 J57-P-22	Navy	Single-place, swept/variable-incidence wing, land-based trainer with reconnaissance capability.
F-8J	LTV Aerospace	Crusader	1 J57-P-20A/-420	Navy	Remanufactured F-8E with increased fuselage strength, boundary layer control, increased wing fatigue life, and AN/APQ-124 radar.
F-8K	LTV Aerospace	Crusader	1 J57-P-16/-16B	Navy	Remanufactured F-8C. Fuselage, wing, landing gear, and structural changes.
DF-8L	LTV Aerospace	Crusader	1 J57-P-4A	Navy	Remanufactured F-8B. Fuselage, wing, landing gear, and structural changes.
F-14A	Grumman	Tomcat	2 TF30-P-412	Navy	Carrier-based, fighter with modified Phoenix weapon system for fleet air defense, escort, combat air patrol, air superiority, and interdiction missions (2 crew).
NF-14A	Grumman	Tomcat	2 TF3-P404	Navy	Permanent test fighter aircraft. F-14A modified for development of avionic and weapons systems for F-14A.

FIGHTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
F-14B	Grumman	Tomcat	2 F401-PW-400	Navy	Upgraded F-14A.
NF-14B	Grumman	Tomcat	2 F401-PW-400	Navy	F-14B configured for permanent testing.
F-14C	Grumman	Tomcat	2 TF30-P-412	Navy	Upgraded F-14A with AWG-9 weapon control system.
NF-14D	Grumman	Tomcat	2 F110-GE-400	Navy	Permanent test fighter aircraft. F-14D modified for development of avionic and weapon systems for F-14D.
F-15A	McDonnell Douglas	Eagle	2 F100-PW-100	AF	Air superiority fighter with fixed wing and tricycle landing gear. Turbo fan engines mounted in the aft fuselage section (1 crew).
YF-15A	McDonnell Douglas	Eagle	2 F100-PW-100	AF	Prototype F-15A.
F-15B	McDonnell Douglas	Eagle	2 F100-PW-100	AF	Fighter-trainer version of the F-15A (2 crew).
YF-15B	McDonnell Douglas	Eagle	2 F100-PW-100	AF	Prototype F-15B.
F-15C	McDonnell Douglas	Eagle	2 F100-PW-100 F100-PW-220	AF	F-15 configured with PEP-2000 modifications. Also for FMS program.
F-15D	McDonnell Douglas	Eagle	2 F100-PW-100 F100-PW-220	AF	2-seat version of F-15C. Also for FMS program.
F-15E	McDonnell Douglas	Strike Eagle	2 F100-PW-220 F100-PW-229	AF	2-seat air superiority and interdiction fighter with Low Altitude Navigation and Targeting IR for Night and Tactical Electronic Warfare Set to perform night, all-weather mission requirements.
F-15S	McDonnell Douglas	Eagle	2 F100-PW-229	Saudi AF	Air superiority and interdiction fighter with fixed wing and tricycle landing gear. Turbofan engines mounted in aft fuselage section (2 crew).
F-16A	Lockheed Martin	Fighting Falcon	1 F100-PW-200	AF	Lightweight supersonic fighter (1 crew).
NF-16A	Lockheed Martin	Fighting Falcon	1 F100-PW-200	AF	Test bed aircraft to support advanced fighter technology integration program.
YF-16A	Lockheed Martin	Fighting Falcon	1 F100-PW-200	AF	Prototype F-16A.

FIGHTER SERIES-Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
F-16B	Lockheed Martin	Fighting Falcon	1 F100-PW-200	AF	2-seat version of F-16A.
YF-16B	Lockheed Martin	Fighting Falcon	1 F100-PW-200	AF	Prototype F-16B.
F-16C	Lockheed Martin	Fighting Falcon	1 F100-PW-200/22 9F100-GE-110/129	AF	Upgraded F-16A with improved avionics, heads-up display, and engine.
F-16D	Lockheed Martin	Fighting Falcon	1 F100-PW-200/22 9F100-GE-110/129	AF	2-seat version of F-16C for training.
NF-16D	Lockheed Martin	Fighting Falcon	1 F100-PW-200-22 9F100-GE-100-129	AF	Test bed aircraft used to support a variety of special test programs.
F-16N	General Dynamics	Fighting Falcon	1 F110-GE-100	Navy	Modified F-16C to be used by Navy for high performance all-weather fighter threat simulator in the adversary training program.
TF-16N	General Dynamics	Fighting Falcon	1 F110-GE-100	Navy	2-seat F-16N used to test pilot proficiency in simulating high performance, all-weather aggressor.
F-18A	McDonnell Douglas/ Northrop	Hornet	2 F404-GE-400	Navy	Light-weight, mid-wing, supersonic carrier-based fighter with twin vertical stabilizers (1 crew).
TF-18A	McDonnell Douglas	Hornet	2 F404-GE-400	Navy	2-place trainer version of F-18A.
F-18L	Northrop	Hornet	2 F404-GE-404	Navy	Land-based version of F-18A.
F-20A	Northrop	None	1 F404-GE-100	FMS	Multi-role tactical fighter primarily for defense. Digital electronics. Fly-by-wire technology.
F-21A	Israel Aircraft	KFIR C-1	1 J-79J1E	Navy	Single seat, supersonic fighter used from Naval Air Station Oceana in the adversary training role with fighter squadron (VF-43).
F-22A	Lockheed Martin Boeing	Raptor	2 F119-PW-100	AF	Air superiority fighter with stealth technologies, superb agility, twin thrust-vectoring, after-burning engines, long-range, integrated avionics, enhanced reliability and maintainability, and super cruise performance.

FIGHTER SERIES-Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
YF-22A	Lockheed, Boeing General Dynamics	None	2 GE-YF120 P&W-YF119	AF	Prototype single-seat, twin engine, supersonic air superiority fighter.
F-22B	Lockheed	Raptor	2 F119-PW-100	AF	2-seat version of F-22A.
F-35A	Lockheed Martin	None	1 F135-PW-100 or F136-GE-100	AF	Next generation strike fighter aircraft for conventional take-off and landing.
F-35B	Lockheed Martin	None	1 F135-PW-600 or F136-GE-600	Marine Corps (MC)	Next generation strike fighter aircraft for STOL.
F-35C	Lockheed Martin	None	1 F135-PW-400 or	Navy	Next generation strike fighter aircraft. Suitable for aircraft carrier.
QF-86H	North American Rockwell	Sabre	1 J73-GE-3F	Navy	Drone version of F-86 interceptor with low swept-back wings and tail and clamshell canopy.
F-106A	General Dynamics	Delta Dart	1 J75-P-17	AF	Delta wing fighter similar to F-102A. Has different engine, tail, fuselage, fuel tank, armament, and electronic equipment (1 crew).
QF-106A	General Dynamics	Delta Dart	1 J75-P-17	AF	Modified F-106A equipped with remote control and used as a high-performance threat target.
F-106B	General Dynamics	Delta Dart	1 J75-P-17	AF	Upgraded F-106A (2 crew).
QF-106B	General Dynamics	Delta Dart	1 J75-P-17	AF	Modified F-106B equipped with remote control and used as a high-performance threat target.
F-111A	General Dynamics	Aardvark	2 TF30-P-1/-3	AF	All-weather, tactical fighter with variable sweep wing and a crew capsule (2 crew).
EF-111A	General Dynamics Grumman	Raven	2 TF30-P-109	AF	F-111 extensively modified and equipped with advanced electronic detection, jamming, and countermeasures equipment. Performs escort defense suppression for tactical attack forces.

FIGHTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
F-111D	General Dynamics	Aardvark	2 TF30-P-3	AF	Upgraded F-111A.
F-111E	General Dynamics	Aardvark	2 TF30-P-3/-9	AF	F-111A with modified air inlets.
F-111F	General Dynamics	Aardvark	2 TF30-P-100	AF	Upgraded F-111D with different engine and avionics.
F-111G	General Dynamics	Aardvark	2 TF30-P-107	AF	FB-111A aircraft modified to perform tactical mission requirements.
F-117A	Lockheed	Night Hawk	2 F404-GE-F102	AF	Single-seat, dual-engine aircraft with low-observable or "stealth" characteristics.

GLIDER SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
TG-3A	Schweizer	None	0 N/A	AF	Non-motorized glider used for training at the Air Force Academy.
TG-4A	Schweizer	None	0 N/A	AF	Non-motorized glider used for training at the Air Force Academy.
TG-7A	Schweizer	None	1 Lycoming O-235	AF	Motorized glider used for cadet training.
RG-8A	Schweizer	None	1 Lycoming O-35	Army	Motorized glider.
TG-9A	Schleicher	None	0 N/A	AF	Tandem 2-seat competition and training sailplane.
TG-10A	Let Flugzeugwerk	None	0 N/A	AF	Non-motorized glider used for training at the Air Force Academy.
TG-10B	Let Flugzeugwerk	None	0 N/A	AF	All metal, 2-seat, self-supporting high-winged glider. Upgraded instrument panel and different cockpit layout from the TG-10A.
TG-10C	Let Flugzeugwerk	None	0 N/A	AF	All metal, 2-seat, high-wing, conventional tail sailplane. Upgraded instrument panel and different cockpit layout from the TG-10A.
TG-10D	Let Flugzeugwerk	None	0 N/A	AF	All metal, single-seat, cantilever mid-high wing, fixed-gear and cantilever T-tail sailplane. Upgraded instrument panel and different cockpit layout from the TG-10A.
TG-11A	Stemme GmbH & Co	None	1 Limbach L-2400	AF	Motorized glider used for training at the Air Force Academy.
TG-12A	Caproni Vizzola	None	0 N/A	AF	Metal/fiberglass, side-by-side high-performance glider of cantilever mid-wing monoplane design having a trapezoid rectangular platform of 43:1 aspect ratio.
TG-14A	Grupo Aeromot	None	1 Rotax 912	AF	A 2-place, side-by-side motorglider. Has a T-tail design equipped with mechanical main landing gear and spoilers on the wings' upper surfaces.

HELICOPTER SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AH-1E	Bell	Huey/Cobra	1 T53-L703	Army	AH-1S with enhanced armament system.
UH-1E	Bell	Iroquois	1 T53-L-11/Thru-11D Lycoming	Navy	Upgraded UH-1D.
NUH-1E	Bell	Iroquois	1 T53-L-11/THRU-11 DLycoming	Navy	UH-1E configured for permanent testing.
AH-1F	Bell	Cobra/TOW	1 T53-L703	Army	AH-1S with modernized software and hardware.
UH-1F	Bell	Iroquois	1 T58-GE-3	AF	AF version of UH-1E with modified tail boom and skid landing gear. Logistics support to Strategic Air Command intercontinental ballistic missile(ICBM) units (1 crew, 10 passengers).
AH-1G	Bell	Cobra	1 T53-L-13/-13A/-13B Lycoming	Navy	Attack helicopter with 540 rotor system, reduced cab in frontal area, chin-mounted gun turret, and external armament.
EH-1H	Bell	Iroquois	1 T53-L-13	Army	UH-1H modified for electronic countermeasures. Army security agency Electronic Warfare (EW) equipment.
HH-1H	Bell	Iroquois	1 T53-L-13B	AF	UH-1H modified for local base rescue.
UH-1H	Bell	Iroquois	1 T53-L-13	Army/Navy	Utility/transport with one 2-blade main rotor and one 2-blade tail rotor (1 crew, 11 passengers).
AH-1J	Bell	Sea Cobra	1 T4000-CP-400	Navy	Upgraded AH-1G with marine corps avionics, rotor brake, and new armament system.
HH-1K	Bell	Iroquois	1 T53-L-13/-13A/-13B	Navy	Upgraded UH-E with international orange paint.
TH-1L	Bell	Iroquois	1 T53-L-13/-13A/-13B	Navy	UH-1E modified for training.
UH-1L	Bell	Iroquois	1 T53-L-13/-13A/13 B	Navy	Upgraded UH-1E . Armor and armament removed.
HH-1N	Bell	Iroquois	1 T400-CP-400	Navy	UH-1N modified for search and rescue, with protective weapon fire capability removed.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
UH-1N	Bell	Iroquois	1 T400-CP-400 *TWO	Navy	UH-1HH reconfigured to transport special teams, power sections, and equipment to forward area medical installations. Capable of self-defense in a hostile environment. Also staff transport version (2 crew, 7 passengers).
NUH-1N	Bell	Iroquois	1 *T400-CP-400 *TWO Power Sections	Navy	NUH-1N uniquely configured for testing and evaluation.
AH-1P	Bell	Cobra/TOW	1 T53-L703	Army	AH-1S with reduced glint canopy, night vision goggle cockpit, and radar warning system.
UH-1P	Bell	Iroquois	1 T58-GE-3	AF	Upgraded UH-1F modified to perform classified missions.
TAH-1S	Bell	Cobra/TOW	1 T53-L-703	Army	AH-1S modified for training AH-64 flight crews.
AH-1T	Bell	Sea Cobra	2 T400-WV-402	Navy	Modified AH-1J model with twin-pack engine, extended fuselage and provisions for tube-launched, optically tracked, wire guided (TOW) missiles.
JAH-1T	Bell	Sea Cobra	2 T400-WV-402	Navy	AH-1T configured for temporary testing.
UH-1V	Bell	Iroquois	1 T53-L-13	Army	Upgraded UH-1H modified with special avionics for medical evacuation missions.
AH-1W	Bell	Sea Cobra	2 T700-GE-401	Navy	2-place assault-type helicopter.
MH-1W	Bell Helicopter Textron	None	2 T700-GE-401	Navy	AH-1W modified for observation/reconnaissance missions. For export only.
EH-1X	Bell	Iroquois	1 T53-L-13	Army	Similar to UH-1H except for different electrical system, modified cargo, and special EW & ECM equipment. Crew, pilot, copilot, and 2 operators.
UH-1Y	Bell	Venom	2 1700-GE-401	Navy	Upgraded UH-1N utility aircraft. Increased load and speed capabilities and updated integrated cockpit.
AH-1Z	Bell	Viper	2 T700-GE-401	Navy	Upgraded AH-1W gunship. Increased load and speed capabilities and updated integrated cockpit.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
NAH-1Z	Bell Helicopter	None	2 T700-GE-401	Navy	Permanent special testing.
UH-2C	Kaman	Sea Sprite	2 T58-GE-8B/-8F	Navy	Transport with one main rotor and 4-blade tail rotor.
HH-2D	Kaman	Sea Sprite	2 T58-GE-8B/-8F	Navy	Upgraded UH-2C. Also UH-2D.
SH-2D	Kaman	Sea Sprite	2 T58-GE-8B/	Navy	Upgraded HH-2D modified to interim lamps configuration for ASW and anti-ship missile defense (ASMD) missions.
YSH-2E	Kaman	Sea Sprite	2 T58-GE-8B/-8F	Navy	HH-2D modified to advanced lamps configuration.
SH-2F	Kaman	Sea Sprite	2 T58-8F	Navy	SH-2D helicopter with high-strength landing gear, doppler resistor, torpedo solenoid, and (LN66) radar improvements.
SH-2G	Kaman	Sea Sprite	2 T700-GE-401	Navy	Production version of YSH-2G with full-mission avionics suite installed.
YSH-2G	Kaman	Sea Sprite	2 T700-GE-401	Navy	Prototype upgrade of SH-2F.
HH-3A	Sikorsky	Sea King	2 T58-GE-8F	Navy	SH-3A with armor, 7.62 mm mini gun, deck-edge refueling capability, external fuel tanks. Sonar equipment removed.
SH-3A	Sikorsky	Sea King	2 T58-GE-8B	Navy	One 5-bade main rotor and one 5-blade tail rotor, retractable main gear and amphibious hull. All-weather ASW (4 crew). Also staff transport version.
NSH-3A	Sikorsky	Sea King	2 T58-GE-8B	Navy	SH-3A configured for permanent testing.
UH-3A	Sikorsky	Sea King	2 T58-GE-8B	Navy	RH-3A modified for drone target recovery, torpedo launch/recovery, logistics support, range surveillance, and search and rescue.
NVH-3A	Sikorsky	Sea King	2 T58-GE-8F	Navy	VH-3A modified to be common avionics integration tes- bed aircraft for all staff helicopters.
CH-3B	Sikorsky	Sea King	2 T58-GE-8B	Navy	One main anti-torque rotor. Land or water operations for logistics support, drone recovery, and airlift operations. ASW equipment removed (3 crew, 25 passengers).
SH-3D	Sikorsky	Sea King	2 T58-GE-10	Navy	Upgraded SH-3A with internally mounted fuel tank. Cruise guide system. Also staff transport version.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
CH-3E	Sikorsky	Sea King	2 T58-GE-5	AF	Upgraded CH-3B with rear loading ramp.
HH-3E	Sikorsky	Jolly Green Giant	2 T58-GE-5	AF	Upgraded CH-3B with armor and equipment for aircrew recovery in combat areas. Equipped for mid-air refueling.
HH-3F	Sikorsky	Sea King	2 T58-GE-8B/-8F	CG	Modified version of AF CH-3E.
SH-3G	Sikorsky	Sea King	2 T58-GE-8B/-8F	Navy	SH-3A reconfigured for ASW/logistics support missions.
SH-3H	Sikorsky	Sea King	2 T58-GE-10	Navy	SH-3G modified to improve ASW performance and add ASMD capability.
UH-3H	Sikorsky	Sea King	2 T58-GE-Turbine	Navy	Modified SH-3H previously used for ASW. During SH-3H service life extension program (SLEP), all ASW equipment shall be removed to reconfigure to search and rescue/utility role.
YSH-3J	Sikorsky	Sea King	2 T58-GE-10	Navy	SH-3H modified as test bed for lamps mark III (4 crew).
TH-6B	McDonnell Douglas	None	1 T63-A-720	Navy	OH-6 modified for training Navy test pilots.
CH-46A	Vertol	Sea Knight	2 T58-GE-8B/-8F	Navy	Marine Corps troop/cargo transport. Tandem 3-blade rotors (3 crew, 17 troops, or 15 litters).
NCH-46A	Vertol	Sea Knight	2 T58-GE-8B/-8F	Navy	CH-46A configured for permanent testing.
HH-46A	Vertol	Sea Knight	2 T58-GE-8B/-8F	Navy	CH-6A and UH-46A modified with AN/APN-182 doppler radar, external personnel rescue hoist, and crash-resistant fuel system.
UH-46A	Vertol	Sea Knight	2 T58-GE-8B/-8F	Navy	CH-46A modified for Navy vertical replenishment program.
CH-46D	Vertol	Sea Knight	2 T58-GE-10	Navy	Upgraded CH-46A.
UH-46D	Vertol	Sea Knight	2 T58-GE-10	Navy	Upgraded UH-46A.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
CH-46E	Virtual	Sea Knight	2 T58-GE-16	Navy	Upgraded CH-46D with IR suppression devices for exhaust system.
CH-46F	Vertol	Sea Knight	2 T58-GE-10	Navy	Upgraded CH-46D.
CH-47D	Boeing	Chinook	2 T55-L-712 Lycoming	Army	Upgraded CH-47A/B/C models. Tandem-rotor transport for cargo, troops, and weapons during day/night/visual/instrument conditions. All-weather flight capable, quadricycle gear, rear loading (3 crew, 33 passengers).
MH-47D	Boeing	Chinook	2 Lycoming T55-L-712	Army	CH-47D modified with additional avionics, precision navigation system, FLIR, air-to-air refueling system, larger fuel tanks, and modified cockpit.
MH-47E	Vertol	Chinook	2 T55-L-714	Army	CH-47D modified with additional avionics, navigation systems, and aircraft survivability equipment.
CH-47F	Boeing Helicopter	Chinook	2 T55-GA-714A	Army	Upgraded CH-47D with improved avionics, vibration reduction, and improved performance.
HH-52A	Sikorsky	None	1 T58-GE-8B	CG	Amphibious search/rescue transport (3 crew).
CH-53A	Sikorsky	Sea Stallion	2 T64-GE-6B	Navy	Cargo/troop transport used for amphibious assault and shore operations with 6-blade main rotor (3 crew).
TH-53A	Sikorsky	None	2 T64-GE-7A	AF	H-53 modified to conduct basic and initial qualification training for the AF.
CH-53D	Sikorsky	Sea Stallion	2 T64-GE-413	Navy	Upgraded CH-53A.
RH-53D	Sikorsky	Sea Stallion	2 T64-GE-415A	Navy	CH-53D with external fuel tanks and airborne mine countermeasures (AMCM) equipment.
NRH-53D	Sikorsky	Sea Stallion	2 T64-GE-415	Navy	Modified RH-53D with doppler radar, unique flight-control system, and unique cockpit configuration used to develop AMCM systems.
CH-53E	Sikorsky	Super Stallion	3 T64-GE-416	Navy	Marine amphibious assault transport for ship-to-shore logistics support.
JCH-53E	Sikorsky	Super Stallion	3 T64-GE-416	Navy	CH-53E configured for temporary testing.
YCH-53E	Sikorsky	Super Stallion	3 T46-GE-416	Navy	Prototype CH-53E.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
MH-53E	Sikorsky	Pave Low	3 T64-GE-416	Navy	CH-53E modified with larger fuel tanks and AMCM equipment.
NMH-53E	Sikorsky	None	3 T64-GE-416	Navy	YCH-53E modified with AMCM equipment and fuel tanks for permanent testing.
MH-53J	Sikorsky	Pave Low III	2 T64-GE-415	AF	HH-53C modified to include enhanced Pave Low III and other modifications. Used for multiple missions.
MH-53M	Sikorsky	Pave Low IV	2 T64-GE-100	AF	MH-53J modified for special operations missions to include enhanced Pave Low III, Integrated Defensive Avionics System /Multi-mission Advanced Tactical Terminal, and other modifications.
TH-57A	Bell	Sea Ranger	1 250-C18 Allison	Navy	Trainer version of Bell company model 206A. Single-blade main rotor, skid-type gear, dual-flight controls (5 seats).
TH-57B	Bell	Sea Ranger	1 250-C20J Allison	Navy	Upgraded TH-57A with more powerful engine and new avionics.
TH-57C	Bell	Sea Ranger	1 250-C20J Allison	Navy	Upgraded TH-57B with dual-pilot IFR avionics, 3-axis stability enhancement system, and greater fuel capacity.
OH-58A	Bell	Kiowa	1 T63-A-5A	Army/Navy	Single-rotor, light observation vehicle (2 crew, 2 passengers or 40 lbs. cargo).
OH-58C	Bell	Kiowa	1 T63-A-720 Allison	Army	Upgraded OH-58A.
OH-58D	Bell	Kiowa Warrior	1 T703-AD-700 Allison	Army	Upgraded OH-58A. Armed OH-58 Kiowa Warrior scout helicopter.
EH-60A	Sikorsky	Black Hawk	2 T-700-GE-700	Army	UH-60A with modified electrical system and cargo area to provide power and space for the installation of special electronic mission equipment and two mission system operators.
MH-60A	Sikorsky	Black Hawk	2 GE T700/701C	Army	UH-60A modified with additional avionics, precision navigation system, FLIR, air-to-air refueling system, larger fuel tanks, and modified cockpit.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
UH-60A	Sikorsky	Black Hawk	2 T-700-GE-700	AF/Army	Fully articulated, single-rotor, utility/tactical transport with 2 main wheels and 1 tail wheel (3 crew, 11 combat troops).
YEH-60B	Sikorsky	Black Hawk	2 GE T-700	Army	UH-60A modified for radar installation and special avionics. Prototype for standoff target-acquisition system.
SH-60B	Sikorsky	Sea Hawk	2 T700-GE-401	Navy	UH-60A configured for Navy use with different avionics and lamps. Mk III system.
NSH-60B	Sikorsky	Sea Hawk	2 T700-GE-401	Navy	SH-60B configured for permanent testing.
NSH-60R	Sikorsky	Sea Hawk	2 T-700-GE-701C	Navy	Helicopter used for permanent special testing.
YSH-60B	Sikorsky	Sea Hawk	2 T700-GE-401	Navy	SH-60B aircraft with unique configuration. Requires more manpower and special parts.
EH-60C	Sikorsky	Black Hawk	2 GE T-700	Army	UH-60A modified with special electronic equipment and external antenna (quick fix).
UH-60C	Sikorsky	Black Hawk	2 T700-GE-700	Army	UH-60A aircraft modified/equipped with systems for C2 missions.
VH-60D	Sikorsky	Nighthawk	2 T700-GE-401	MC	Modified HH-60D used to transport the President, Vice President, and White House staff.
SH-60F	Sikorsky	Sea Hawk	2 T700-GE-401	Navy	Modified SH-60B with dipping sonar and reconfigured avionics.
NSH-60F	Sikorsky	Sea Hawk	2 T700-GE-401	Navy	Modified to incorporate a new cockpit to support the VH-60N Cockpit Upgrade Program.
HH-60G	Sikorsky	Pave Hawk	2 T700-GE-700/701	AF	Derivative UH-60A for use in combat search and rescue operations. Includes in-flight refueling capability, long-range extension tanks, weather radar, satellite communications, external hoist, and other improved equipment.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
MH-60G	Sikorsky	Pave Hawk	2 T700-GE-700/701	AF	UH-60A modified to include in-flight refueling capability, range-extension tank, map display, weather radar, FLIR, and other improved equipment. Multi-use helicopter for special operations forces (SOF) missions.
HH-60H	Sikorsky	Sea Hawk	2 T700-GE-401	Navy	Modified SH-60F equipped with defensive and offensive weaponry.
HH-60J	Sikorsky	Sea Hawk	2 T700-GE-401	Navy	Modified SH-60F single-main and tail rotor class II helicopter.
MH-60K	Sikorsky	Black Hawk	2 TBD	Army	UH-60A with modified cockpit including human engineering to reduce pilot workload, additional avionics, navigation, and aircraft survivability equipment.
HH-60L	Sikorsky	None	2 T-700-GE701C	Army	Modified UH-60L with medical Mission Equipment Package.
EUH-60L	Sikorsky	None	2 T-700-GE-701C	Army	Modified with additional mission electronic equipment for Army Airborne C2.
EH-60L	Sikorsky	Black Hawk	2 T700-GE-701C	Army	Modification of EH-60A to H-60I configuration Includes a major upgrade of the mission equipment.
MH-60L	Sikorsky	Black Hawk	2 T700-GE-701C	Army	UH-60L with various modifications including updated cockpit, additional avionics, precision Navy system, FLIR, aircraft survivability equipment, and external-tank system. Provides medium and utility helicopter support to SOF unique missions.
UH-60L	Sikorsky	Black Hawk	2 T-700-GE-701C	Army	UH-60A modified with upgraded engines. Used to conduct worldwide utility tactical transport for the Army.
HH-60M	Sikorsky	None	2 T-700-GE-701C	Army	Modified UH-60A with medical Mission Equipment Package.
UH-60M	Sikorsky	Black Hawk	2 T-700-GE-701C	Army	UH-60L modified with composite rotor system, enlarged internal-fuel tanks, larger lower cockpit console, on-board rotor track and balance system, digital automatic flight-control system, and a 12-inch longer forward cabin.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
VH-60N	Sikorsky	Nighthawk	2 T700-GE-401	MC	Modified HH-60D used to transport the President, Vice President, and White House staff.
UH-60P	Sikorsky	Black Hawk	2 T700-GE-701C	ROK AF	Similar to the UH-60L configured for Republic of Korea (ROK) use.
UH-60Q	Sikorsky	Black Hawk	2 T700-GE-700	Army	UH-60A modified for medical evacuation.
MH-60R	Sikorsky	None	2 T700-GE-401C	Navy	Modified SH-60B. Similar to the SH-60R but configured to accomplish multiple missions.
YMH-60R	Sikorsky	Sea Hawk	2 T-700-GE-701C	Navy	Used as a prototype.
SH-60R	Sikorsky	Sea Hawk	2 T700-GE-401C	Navy	Modified SH-60B with improved radar system, electronic-support system, and control, display, and airborne frequency sonar subsystems.
CH-60S	Sikorsky	Sea Hawk	2 T700-GE-401C	Navy	Update of UH-60I and SH-60R for cargo movement.
MH-60S	Sikorsky	None	2 T-700-GE-401C	Navy	Medical evacuation and ship replenishment. Replaces the H-46D.
AH-64A	McDonnell Douglas Helo Sys	Apache	2 T700-GE-700	Army	Attack helicopter with 4-blade articulated main rotor, 4-blade tail rotor and 3-point landing gear. Carries hellfire missile system and 30-mm cannon. Standoff day/night/adverse weather capability.
AH-64D	McDonnell Douglas Helo Sys	Apache	2 T700-GE-701/701C	Army	Modified AH-64A with Mission Equipment Package and cockpit enhancements. GE-701C engines used when configured with the fire control radar mission kit.
HH-65A	Aerospace Helicopter Corp	Dolphin	2 LTS-101-750	CG	Twin-engine, short-range recovery helicopter.

HELICOPTER SERIES-Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
HH-65B	Aerospace Helico	Dolphin	2 LTS-101-750	CG	Modified HH-65A with an enhanced cockpit configuration and avionics upgrade.
HH-65C	Aerospace Helico	Dolphin	2 LTS-101-750	CG	Modified HH-65A with an avionics upgrade and with allied signal's full-authority digital-engine control system.
RAH-66A	Boeing/Sikorsky	Comanche	2 T800-LHT-800/801	Army	Lightweight, twin-engine advanced-technology attack and armed reconnaissance helicopter.
TH-67A	Bell Helicopter, Textron, Inc.	Creek	1 250-C20JN	Army	Modified Bell 206 Jet Ranger.
YTH-67A	TBD	Creek	TBD	Army	Prototype initial entry-level rotary-wing aircraft for training Army flight personnel.
MH-68A	Agusta	Power (Proposed)	2 PW-206C	CG	Light twin-helicopter used for law enforcement/counter-drug operations.

LASER SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
YAL-1A	Boeing, TRW Lockheed Martin	TBD	4 GE CF6-80	AF	Commercial Boeing 747-400 modified with a high-energy laser weapon system to autonomously detect, identify, and destroy boosting theater ballistic missiles.

OBSERVATION SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
O-1A	TBD	None		AF	Bi-wing, single-engine observation aircraft.
O-2A	Cessna	None	2 10-360-C/-D	AF	High-wing monoplane with twin tail booms, aft pusher and forward puller engines, and retractable landing gear. Used for forward air control missions (2 crew).
O-2B	Cessna	None	2 10-360-C/-D	AF	Upgraded O-2A with large cargo door, speaker/amplifier system, and leaflet dispenser.
O-5A	Dehavilland	None	4 PT-106 Turboprop	Army	Performs day and night airborne observation/reconnaissance.
EO-5B	Dehavilland	None	4 PT-106 Turbo Prop	Army	Near all-weather, low-speed turbo prop aircraft with extended range capability and signals intelligence mission equipment.

<u>PATROL SERIES</u>					
MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
DP-2E	Lockheed	Neptune	4 R-3350-36W/32 WJ-34-WE-34/-34	Navy	Long-range, all-weather, land-based aircraft equipped with for ASW. Hamilton standard propellers (9 crew).
DP-2H	Lockheed	Neptune	4 R-3350-32WA J34-WE-36A	Navy	EP-2H modified for controlling drone aircraft.
EP-2H	Lockheed	Neptune	4 R-3350-32WA J34-WE-36A	Navy	P-2E with ASW equipment removed and ultra-high frequency telemetry installed for data-relay missions (9 crew).
NP-2H	Lockheed	Neptune	4 R-3350-32WA J34-WE-36A	Navy	P-2H configured for permanent testing.
SP-2H	Lockheed	Neptune	4 R-3350-32WA J34-WE-36/-36A	Navy	EP-2H without telemetry equipment. Modified to Julie/Jezebel configuration.
P-3A	Lockheed	Orion	4 T56-A-10W	Navy	ASW patrol aircraft. Military version of Lockheed "Electra." Also staff-transport version (10 crew).
EP-3A	Lockheed	Orion	4 T56-A-10W	Navy	P-3A modified for electronic reconnaissance.
NP-3A	Lockheed	Orion	4 T56-A-10W	Navy	Test-bed P-3A without ASW systems.
RP-3A	Lockheed	Orion	4 T56-A-10W	Navy	P-3A modified for test and evaluation programs and oceanographic research projects.
TP-3A	Lockheed	Orion	4 T56-A-10W	Navy	P-3A modified to provide P-3C pilot/flight engineer training.
UP-3A	Lockheed	Orion	4 T56-A-10W	Navy	P-3 stripped of all ASW equipment. Used for light utility purposes.
NUP-3A	Lockheed	Orion	4 T56-A-14	Navy	UP-3A configured for permanent testing.
WP-3A	Lockheed	Orion	4 T56-A-10W	Navy	P-3A modified for weather reconnaissance missions.
P-3B	Lockheed	Orion	4 T56-A-14	Navy	Upgraded P-3A.
EP-3B	Lockheed	Orion	3 T56-A-14	Navy	P-3B modified for electronic reconnaissance.
UP-3B	Lockheed	Orion	4 T56-A-14	Navy	P-3B modified by removing ASW avionics gear. Used in utility roles including pilot training and logistic/cargo missions.
P-3C	Lockheed	Orion	4 T56-A-14	Navy	Production version of YP-3C.

PATROL SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
NP-3C	Lockheed	Orion	4 T56-A-14	Navy	P-3C configured for permanent testing.
YP-3C	Lockheed	Orion	4 T56-A-14	Navy	Prototype P-3C with a new integrated avionics and automated stores-dispensing system.
NP-3D	Lockheed	Orion	4 T56-A-14	Navy	P-3 configured for permanent testing.
RP-3D	Lockheed	Orion	4 T56-A-14	Navy	P-3 configured for project magnet.
EP-3J	Lockheed	Orion	4 T56-A-14	Navy	Modified EP-3B with active jamming capability.
P-7A	Lockheed	None	4 GE-38 Turbo Prop	Navy	Highly modernized P-3C with major improvements in airframe design, structural materials, propulsion system, flight controls, and other functional systems. Used as long-range air-antisubmarine capability aircraft.

UNMANNED AERIAL VEHICLES SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RD-2A	Northrop	None	1	AF,Navy	Mission Control. Non-line of sight control station used to launch and recover RQ-4 air vehicles.
RD-2B	Northrop Grumman	None	1	AF	Launch Recovery Element.
RQ-1A	General Atomics	Predator	1 ROTAX 912	AF	Medium-altitude endurance UAV capable of carrying a 450 pound payload (Predator).
MD-1B	General Atomics	None	1	AF	Launch and Recovery Control station.
MQ-1B	General Atomics	None	1 Turbo ROTAX 914	AF	Medium-altitude endurance UAV with a wing deicing capability and an internal and external payload capability. Has a multiple-role mission.
RQ-1B	General Atomics	None	1 Turbo Rotax 914	AF	Larger engine, wing deicing capability, and improved avionics.
RQ-2A	Pioneer UAV	None	1 P/N SF2-350 Horizon Opposed	Navy/MC	Provides real-time reconnaissance, surveillance, target acquisition, battle damage assessment, and battlefield management both day and night. (Pioneer)
RQ-2B	Pioneer UAV	None	1 SF-2-350	Navy/MC	Improved electronic system requiring different aircrew and maintenance procedures.
RQ-4A	Teledyne Ryan Aeronautical	Global Hawk	1 Allison AE3007 Turbofan	AF	Fully autonomous high-altitude UAV capable of 42 hour loitering duration at up to 65,000 feet with a payload capacity of 1,800 pounds. (Global Hawk)
RQ-4B	Northrop Grumman	Global Hawk	1 RR AE-3007H	USAF	Larger, enhanced version of the RQ-4 UAV for expanded reconnaissance missions.
RQ-4	Northrop	Global Hawk	1 AE-3007H	USAF	Larger, enhanced version of the RQ-4 UAV for expanded reconnaissance mission.
RQ-5A	TRW Inc.	Hunter (Proposed)	2 Moto Guzzi	Army	Reconnaissance UAV with 8 hours endurance and 15,000 foot ceiling. Has 29 foot wing span.
RQ-6A	Alliant Techsys	Outrider (Proposed)	1 UEL 801 Rotary	Army	UAV with 2-4 hour endurance and 13,000 foot ceiling.

UNMANNED AERIAL VEHICLES SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
RQ-7A	AAI Corp.	None	1 AR-741 UEI Rotary	Army	Operates up to 200k beyond front lines at altitudes to 15,000 ft with up to 4 hrs on station. Day/night surveillance video sensors.
RQ-8A	Northrop Grumman Ryan Aero Center	None	1 Allison 250-C20	Navy	Provides real-time imagery, target designation, and data to support operations ashore and afloat.
MQ-9A	General Atomics	None	1 Honeywell 331-10	AF	Medium- to high-altitude endurance UAV. Has a multiple-role mission.
YMQ-9A	General Atomics	None	1 Honeywell 331-10	AF	Prototype configuration of the MQ-9A.
CQ-10A	MMIST Corp.	None	1 ROTAX 914	Army	Drone aircraft that employs a Para-foil air canopy integrated with a commercially developed airborne guidance unit and engine.
MD-1A	General Atomics	None	1	AF	Control station used to launch, control, and recover RQ-1A, MQ-1A, and MQ-9A air vehicles.

RECONNAISSANCE SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
SR-71A	Lockheed	None	2 J58	AF	Long-range, advanced strategic reconnaissance aircraft (2 crew).
SR-71B	Lockheed	None	2 J58	AF	Modified training version of the SR-71A.

ANTISUB SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
TS-2A	Grumman	Tracker	2 R-1820-82 Wright	Navy	Trainer version of carrier-based ASW aircraft. ;AN/APS-38 equipment and marine marker petro launcher removed before assignment to Chief, Naval Air Training (4 crew).
US-2A	Grumman	Tracker	2 R-1820-82 Wright	Navy	Target TOW configured TS-2A and S-2B with (Julie) equipment removed.
US-2B	Grumman	Tracker	2 R-1820-82 Wright	Navy	TS-2A modified for passenger transport.
US-2C	Grumman	Tracker	2 R-1820-82 Wright	Navy	S-2C modified for target towing (4 crew).
S-2D	Grumman	Tracker	2 R-1820-82A Wright	Navy	Upgraded TS-2A and US-2C with newer air-ASW electronics and armament (4 crew).
ES-2D	Grumman	Tracker	2 R-1820-82A Wright	Navy	S-2D modified for Pacific Missile Range surveillance/clearance missions.
US-2D	Grumman	Tracker	2 R-1820-82A	Navy	S-2D with ASW equipment removed for use as transport.
S-2E	Grumman	Tracker	2 R-1820-82A Wright	Navy	S-2D equipped with ASW tactical navigation system (AN/ASN-30) (4 crew).
S-2G	Grumman	Tracker	2 R-1820-82 Wright	Navy	S-2E with AN/AQA-7 (Differential Acoustic Frequency Analysis and Reading), AN/ARR-75 sono buoy receiver, and Mk-44/46 torpedo presetter.
YS-2G	Grumman	Tracker	2 R-1820-82 Wright	Navy	Modified S-2E used as test bed for ASW avionics system development.
S-3A	Lockheed	Viking	2 TF34-GE-2	Navy	Carrier-based ASW aircraft (4 crew).
KS-3A	Lockheed	Viking	2 TF34-GE-2	Navy	S-3A configured as self-contained tanker with bomb bay and internal tanks.

ANTISUB SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
NS-3A	Lockheed	Viking	2 TF34-GE-2	Navy	S-3A configured for permanent testing.
US-3A	Lockheed	Viking	2 TF34-GE-2	Navy	S-3A modified for carrier on-board delivery mission.
S-3B	Lockheed	Viking	2 TF34-GE-2	Navy	Upgraded S-3A with new acoustic processors and recorders, radar, and harpoon capability.

<u>TRAINER SERIES</u>					
MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
T-1A	McDonnell Douglas Beech, Quintron	Jayhawk	2 JT15D-5B P&W	AF	Tanker, transport, and training system with three seats. Used for transitioning Undergraduate Pilot Training pilots to tanker/transport aircraft.
CT-1B	Beech	Jayhawk	2 JT15D-5	Army	T-1A modified to carry troops and cargo.
T-2B	North American Rockwell	Buckeye	2 J60-P-6	Navy	Basic flight trainer.
DT-2B	North American Rockwell	Buckeye	2 J60-P-6	Navy	T-2B modified to control target drones. Equipped with AN/ARW-55 or AN/ASW-36 target command system (1 crew).
YT-2B	North American Rockwell	Buckeye	2 J60-P-6	Navy	Prototype T-2B.
T-2C	North American Rockwell	Buckeye	2 J85-GE-4/-4A	Navy	Basic flight trainer.
T-3A	Slingsby Northrop	None	1 AEIO 540	AF	Single-engine, low-wing, light trainer with side-by-side seating.
T-6A	Raytheon Aircraft	Texan II	1 PT-6A-68	AF/Navy	Single-engine, 2-place, low-wing, primary trainer (Joint Primary Aircraft Training System).
T-28B	North American Rockwell	Trojan	1 R-1820-86A Wright	Navy	Low-wing flight trainer (2 crew).
T-28C	North American Rockwell	Trojan	1 R-1820-86A Wright	Navy	Upgraded T-28B suitable for carrier operations (2 crew).
T-29B	General Dynamics	Flying Classroom	2 R-2800-97 P&W	Navy	Low-wing trainer transport with periscope sextant window (4 crew, 10 students).
T-29C	General Dynamics	Flying Classroom	2 R-2800-99W P&W	Navy	Upgraded T-29B for navigator-bombardier training (3 crew 10 students).
T-33A	Lockheed	Shooting Star	1 J33-A-35	AF	Full-cantilever, low-wing flight trainer (2 crew).
NT-33A	Lockheed	Shooting Star	1 J33-A-35	AF	Test bed T-33A.
QT-33A	Lockheed	Shooting Star	1 J33-A-35	Navy	T-33A used as a drone.
T-34A	Beech	Mentor	1 IO-470-4 Continental	AF	Low-wing, semi-monocoque trainer (2 crew).

TRAINER SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
T-34B	Beech	Mentor	1 IO-470-4 Continental	Navy	Navy version of T-34A.
T-34C	Beech	Mentor	1 PT-6A-25 P&W Canada	Navy	Improved T-34B.
NT-34C	Beech	Mentor	1 PT6A-25 P&W Canada	Navy	T-34C configured for permanent testing. Shall not return to active fleet.
YT-34C	Beech	Mentor	1 PT6A-25 P&W Canada	Navy	Prototype T-34C.
T-37B	Cessna	Tweet	2 J69-T-25	AF/GAF	Primary jet trainer. Bubble clamshell canopy (2 crew).
T-38A	Northrop	Talon	2 J85-GE-5/-5A/-5G/-5J	AF/NV/GAF	Low-wing, supersonic jet trainer (2 crew).
QT-38A	Northrop	Talon	2 J85-GE	Navy/AF	T-38A used as a drone.
AT-38B	Northrop	Talon	2 J85-GE-5/-5A/-5G/-5J	AF	T-38A configured for weapons delivery training.
T-38C	Northrop	Talon	2 J85-GE-5/-5A/-5G/-5J	AF/NV/GAF	T-38A & AT-38B modified into single-fleet configuration. Includes GPS/inertial navigation system, heads-up display, and no-drop bomb-scoring system.
T-38N	Northrop	Talon	2 J85-GE-5H/-5N	NASA	T-38A modified with upgraded avionics.
CT-39A	North American Rockwell	Sabreliner	2 J60-P-3/-3A	AF	Cargo-configured T-39A.
NT-39A	North American Rockwell	Sabreliner	2 J60-P-3/-3A	AF	T-39A modified for permanent testing.
T-39B	North American Rockwell	Sabreliner	2 J60-P-3/-3A	AF	Upgraded T-39A with doppler radar used to train pilots in radar navigation (3 passengers).
T-39D	North American Rockwell	Sabreliner	2 J60-P-3A	Navy	Navy version of T-39 series with AN/APQ-94 radar to train fleet aircrews (5 crew).
CT-39E	North American Rockwell	Sabreliner	2 JT-12A-8	Navy	Military version of commercial Sabreliner cargo-configured T-39A.

<u>TRAINER SERIES</u> --Continued					
MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
T-39G	Rockwell International	Sabreliner	2 JT12A-8A	Navy	CT-39G modified to support Undergraduate Flight Officer Training Program. Includes instructor jump seat and aft navigator console.
CT-39G	North American Rockwell	Sabreliner	2 JT-12A	Navy	CT-39E with longer fuselage, yaw damper, and engine-thrust reversers.
T-39N	North American Rockwell	Sabreliner	2 JT-12-8	Navy	Advanced version of T-39A used for training Undergraduate Naval Flight Officers.
T-41A	Cessna	Mescalero	1 IO-300-D Continental	AF	Single-engine, high-wing, light trainer. Military version of Cessna 172 (2 crew, 2 passengers).
T-41B	Cessna	Mescalero	1 IO-360-D Continental	Army	Army version of T-41A.
T-41C	Cessna	Mescalero	1 IO-360-D34 Continental	AF	Upgraded T-41A.
T-41D	Cessna	Mescalero	1 IO-360-D34 Continental	AF	T-41B/C with constant speed propellers.
T-42A	Beech	Cochise	2 IO-470-L Continental	Army	Instrument flight trainer (4 crew).
T-43A	Boeing	None	2 JT-8D-9 P&W	AF	Military version of the Boeing 737-200 modified for navigator training (12 student stations, 4 instructor stations, and 3 proficiency stations).
CT-43A	Boeing	None	2 JT8D-9A	AF	T-43A configured for cargo/passenger missions.
T-44A	Beech	None	2 PT6A-34B P&W	Navy	5-place trainer for IFR flight, radio instrument navigation, and tactical orientation training.
T-45A	McDonnell Douglas	Goshawk	1 Mk-851-49	Navy	Low-wing jet trainer for carrier landing training (2 crew).
T-45B	McDonnell Douglas	Goshawk	1 Mk-851-49	Navy	T-45A modified for land-based training.
T-45C	McDonnell Douglas	Goshawk	1 Rolls Royce F-405-RR-401	Navy	Upgraded T-45A with an updated avionics package and a digital cockpit.

<u>TRAINER SERIES</u> --Continued					
MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
T-47A	Cessna	None	2 JT15D-5 P&W	Navy	Military version of commercial Citation II with engine and structural modifications. Configured with radar training consoles and AN/APQ-159 radar.
OT-47B	Cessna	None	2 JT15D-5D	AF	Updated version of T-47A for counter-drug tracking missions with 20 inch longer fuselage, upgraded engines, and special sensors.
T- 8A	TBD	None	TBD	Navy	Multi-place aircraft used to train flight officers in the fundamentals of aviation and communication.
CT-49A	Boeing	None	4 JT3D-7	NATO	NATO Trainer/Cargo Aircraft operated to support E-3A airborne warning and control system training and air transport/cargo for NATO.

<u>UTILITY SERIES</u>					
MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
U-2R	Lockheed	Dragon Lady	1 J75 P&W	AF	Improved U-2C.
TU-2R	Lockheed	None	1 F118-GE-101 Turbofan	AF	Trainer version of the U-2R.
U-2S	Lockheed	Dragon Lady	1 F118-GE-101 Turbofan	AF	Modified U-2R with improved higher performance engine.
TU-2S	Lockheed	None	1 F118-GE-101	AF	Modified TU-2R with improved higher performance engine.
U-1A	Dehavilland	Otter	1 R-1340-61 P&W	Army	Short-range, high-wing, light utility aircraft. Operates on wheels or floats. Military version of the DHC-3 (2 crew, 8 passengers).
NU-1B	Dehavilland	Otter	1 R-1340-61-DHC-3 P&W	Navy	Military version of the DGC-3 for Antarctic (Deep Freeze) missions.
U-3A	Cessna	None	2 IO-470-M Continental	AF/Navy	Low-wing, administrative, and light cargo transport. Military version of Cessna model 310 (2 crew, 3 passengers).
U-3B	Cessna	None	2 IO-470-D Continental	AF	Upgraded U-3A.
U-6A	Dehavilland	Beaver	1 R-985-AN-L/-3 R-985-39A P&W	All	High-wing utility transport (1 crew, 3 passengers).
U-8D	Beech	Seminole	2 O-480-1 Lycoming	Army	Low-cantilever wing utility transport. Military version of the Beech J-50 (1 crew, 5 passengers).
RU-8D	Beech	Seminole	2 O-480-1 Lycoming	Army	U-8D modified with radar reconnaissance system (2 crew).
NU-8E	Beech	Seminole	2 O-480-3 Lycoming	Army	U-8D equipped as instrumentation flying laboratory (2 crew, 2 passengers).
U-8F	Beech	Seminole	2 O-480-3 Lycoming	Army	Upgraded U-8D with larger fuselage.
U-8G	Beech	Seminole	2 GO-480-CSC6 Lycoming	Army	Upgraded RU-8D and U-8F.
U-9C	Aero Design	Aero Commander	2 GSO-480-AIA-6 Lycoming	Army	High-cantilever wing administrative/utility transport (2 crew, 5 passengers).
U-9D	Aero Design	Aero Commander	2 GSO- 480- AIA-6 Lycoming	Navy	Upgraded U-9C. One aircraft modified for air sampling missions.

UTILITY SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
RU-9D	Aero Design	Aero Commander	2 GSO-480-AIA-6 Lycoming	Army	U-9D modified for reconnaissance missions (5 crew).
U-10A	Helio	None	1 G-480-G1D6	USA	Light STOL utility transport (2 crew, 2 passengers).
U-11A	Piper	Aztec	2 O-540-A-3D5	Navy	Light logistics transport used at Continental United States Naval bases (1 crew, 4 passengers).
HU-16E	Grumman	Albatross	2 R-1820-76A/THR	CG	High-wing, amphibious aircraft with fixed-wing floats. U -76D Wright for search/rescue, ASW, and general purpose uses (6 crew, 12 litters).
U-21A	Beech	UTE	2 PT6A-20 P&W (Canada)	Army	Low-wing utility aircraft with reversing propellers and retractable tricycle landing gear. For C2 and utility missions in combat zones (2 crew, 10 passengers).
RU-21A	Beech	UTE	2 PT6A-20 P&W (Canada)	Army	U-21A with Army Security Agency EW equipment.
RU-21B	Beech	UTE	2 PT6A-29 P&W (Canada)	Army	Improved RU-21A.
RU-21C	Beech	UTE	2 PT6A-29 P&W (Canada)	Army	RU-21B with different antenna array.
RU-21D	Beech	UTE	2 PT6A-20 P&W (Canada)	Army	Improved RU-21B.
RU-21E	Beech	UTE	2 T74-CP-700	Army	U-21A modified for surveillance missions in combat zones (2 crew, 2 mission equipment operators).
U-21F	Beech	UTE	2 PT6A-28 P&W (Canada)	Army	Upgraded U-21A (2 crew, 6 passengers).
U-21G	Beech	UTE	2 T74-CP-700 P&W	Army	Upgraded U-21F.
RU-21H	Beech	UTE	2 T74-CP-700 P&W	Army	RU-21E modified with new wing tips and landing gear doors.
U-21J	Beech	UTE	2 PT6A-41	Army	RU-21J reconfigured as transport (2 crew, 7 passengers).
RU-21J	Beech	UTE	2 PT6A-41	Army	Modified U-21F with added reconnaissance equipment and 3-blade propellers.

UTILITY SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
HU-25A	Dassault-Breguet	Guardian	2 ATF 3-6-2C Garrett	CG	Semi-monocoque, low-cantilever wing monoplane with retractable-tricycle landing gear. Used for search and rescue, marine environmental protection, law enforcement, and marine science (5 crew, 3 passengers).
HU-25B	Dassault-Breguet Falcon	Guardian	2 Garrett ATF 3-6-4C	CG	Navy search and rescue utility aircraft modified with sensor scanners, side-looking airborne radar (SLAR), Active-gated Television (TV), and surveillance cameras.
HU-25C	Dassault-Breguet Falcon	Guardian	2 Garrett ATF 3-6-4C	CG	HU-25A modified with new radar and fuselage-mounted FLIR used for intercepting and tracking airborne smugglers.
U- 7A	Cessna	None	1 PT6A-114	Army/FMS	High-wing monoplane with fixed-tricycle landing gear (2 crew).
RU-38A	Schweizer Acft	None	2 G10-550 Continental	CG	RG-8A modified with two larger engines, enhanced mufflers, twin tail, tricycle landing gear, improved sensors, and noise signature reduction enhancements for detection of surface vessels.

VTOL & STOL SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
OV-1A	Grumman	Mohawk	2 T53-L-7	Army	Visual and photographic surveillance aircraft with day and night IFR capability. Formerly designated AO-1A (2 crew).
OV-1B	Grumman	Mohawk	2 T53-L-7	Army	Longer wing than the OV-1A with the addition of SLAR. Formerly designated AO-1B (2 crew).
JOV-1B	Grumman	Mohawk	2 T53-L-7	Army	OV-1B modified for electronic reconnaissance (Quick Look).
OV-1C	Grumman	Mohawk	2 T53-L-7 T53-L-15	Army	OV-1A and OV-1B with IR detection equipment. Formerly designated AO-1C (2 crew).
JOV-1C	Grumman	Mohawk	2 T53-L-15	Army	OV-1C modified for electronic reconnaissance (Quick Look).
OV-1D	Grumman	Mohawk	2 T53-L-701A	Army	Upgraded OV-1C with side-loading doors, SLAR, and IR sensors.
JOV-1D	Grumman	Mohawk	2 T53-L-701A	Army	OV-1D modified for electronic reconnaissance (Quick Look).
RV-1D	Grumman	Mohawk	2 T53-L-701A	Army	Modified OV-1D for electronic warfare missions in support of tactical operations.
OV-1E	Grumman	Mohawk	2 T53-L-701A	Army	OV-1D modified with upgraded avionics, electrical, and flight instrument systems.
RV-1E	Grumman	Mohawk	2 T53-L-701A	Army	Contains updated avionics, electrical, and flight instrument systems.
AV-8A	British Aerospace	Harrier	1 F402-RR-400/-401	Navy	Vectored thrust, close-air support aircraft capable of shipboard and unimproved landing site operations (1 crew).
TAV-8A	British Aerospace	Harrier	1 F402-RR-400-401	Navy	2-place AV-8A for transition training.
AV-8B	McDonnell Douglas	Harrier II	1 F402-RR-406	Navy	AV-8A with improved engine inlet, lengthened nose gear, lift devices, larger wing, and updated avionics package.
NAV-8B	McDonnell Douglas	Harrier II	1 F402-RR-406	Navy	AV-8B configured for permanent testing.
TAV-8B	McDonnell Douglas	Harrier	1 F402-RR-406	Navy	Trainer version of AV-8B (2 crew).
NTAV-8B	McDonnell Douglas	Harrier	1 F402-RR-406	Navy	TAV-8B configured for permanent testing.

VTOL & STOL SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AV-8C	British Aerospace	Harrier	1 F402-RR-400/-401	Navy	AV-8A overhauled for SLEP.
AV-8D	McDonnell Douglas	Harrier	1 P408	Navy	AV-8B modified with additional avionics and night attack capabilities.
AV-8S	British Aerospace	Harrier	1 F402-RR-400/-401	Spanish Navy	AV-8A configured for foreign sales (Spanish Navy).
OV-10A	North American Rockwell	Bronco	2 T76-G/-10A-12A/418/419	AF/Navy	Twin tail, STOL aircraft used for observation, armed reconnaissance, and forward-air control (2 crew).
YOV-10D	North American Rockwell	Bronco	2 T76-G-10-10A/-12/-12A	Navy	Prototype night observation gunship system version of the OV-10A. Has FLIR sensor and 20mm flexible gun turret.
XFV-12A	North American Rockwell	None	1 F-401-PW-400	Navy	Experimental high-wing VTOL to evaluate thrust enhancement principle (1 crew).
XV-15A	Bell	None	2 T53	Army	Research aircraft used to study tilt rotor VTOL/STOL concepts (3-blade 25' diameter rotors).
AV-16A	McDonnell Douglas	None	1 Rolls Royce Pegasus	Navy	VTOL/STOL aircraft for close air support missions.
UV-18A	Dehavilland	Twin Otter	2 PT6A-20 P&W	Army	Fixed-gear, high-wing STOL aircraft. Operates on unimproved airfields with wheels, skis, or floats (2 crew, 20 passengers).
UV-18B	Dehavilland	Twin Otter	2 PT6A-27 P&W	AF	UV-18A with longer nose.
UV-20A	Pilatus-Porter	None	1 PT6A-27	Army	Utility STOL aircraft similar to PC-7/1.
CV-22A	Bell/Boeing	None	2 T406-AD-400	AF	VTOL aircraft (Osprey) used as a transport from land bases.
HV-22A	Bell/Boeing	None	2 T406-AD-400	Navy	VTOL aircraft (Osprey) used for conducting combat search and rescue missions from aviation-capable ships.

<u>VTOL & STOL SERIES</u> --Continued						
MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION	
MV-22A	Bell/Boeing	None	2 T406-AD-400	MC	VTOL aircraft (Osprey) used to support amphibious assaults from Amphibious Assault Ships, general and multi-purpose class.	
SV-22A	Bell/Boeing	None	2 T406-AD-400	Navy	VTOL aircraft (Osprey) used to provide mid to long-range sea-based airborne ASW protection.	
HV-22B	Bell/Boeing	None	2 T406-AD-400	Navy	HV-22A with upgraded engines, drive system, nacelle, and fuselage, and improved avionics.	
MV-22B	Bell/Boeing	None	2 T406-AD-400	Navy	MV-22A with upgraded engines, drive system, nacelle, and fuselage, and improved avionics.	
UV-23A	SkyTrader Corp.	None	2 Turbomeca-astazous F-16	Army	High-wing, twin-engine, fixed-landing gear tactical troop transport with aft ramp. Modified for armed reconnaissance.	

RESEARCH SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
MS-1A	TBD	TBD		AF	Space plane with sub-orbital flight for multi-mission space support.
XSS-10A	Boeing North American	None	1 Bi-propellant	AF	Aspace-launched, experimental micro-satellite designed to conduct autonomous acquisition and tracking operations, rendezvous, and inspection of a resident space object.
X-26A	Schweizer	None	0 N/A	Navy	2-place, high-performance sailplane to be used for Navy test pilot training
X-29A	Grumman	None	1 F-404-GE-400	All	Experimental fighter with 33.73 degree forward sweep, aeroelastic, graphite epoxy composite wings, close-coupled variable-incidence canards, and digital fly-by-wire flight control system.
X-30A	TBD	None	TBD	DoD/NASA	Experimental aerospace plane able to operate at hypersonic velocities or while accelerating directly into orbit.
X-31A	Rockwell	None	1 F-404-GE-400	Navy	Enhanced fighter maneuverability demonstrator with technologies that provide maneuvering agility during close-in aerial combat.
X-32A	TBD	TBD	1 Derivative Afte	DARPA	First contractor team (X-32). Full-scale technology demonstrator aircraft intended to confirm technologies relevant to fielding a multi-Service aircraft.
X-32B	TBD	TBD	1 Derivative Afte	DARPA	Full-scale technology demonstrator aircraft intended to confirm technologies relevant to fielding a multi-Service aircraft.
X-32C	TBD	None	TBD	JAST	Joint advanced strike technology (JAST) program. Full-scale technology demonstrator aircraft intended to confirm technologies relevant to fielding a multi-Service aircraft with catapult and arresting capability.
X-35A	TBD	TBD	TBD	JAST	Second contractor team (X-35). JAST program. Full-scale technology demonstrator aircraft intended to confirm technologies relevant to fielding a multi-Service aircraft.
X-35B	TBD	TBD	TBD	JAST	JAST program. Full-scale technology demonstrator aircraft intended to confirm technologies relevant to fielding a multi-Service aircraft.

RESEARCH SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
V- 5C	TBD	TBD	TBD	JAST	JAST program. Full-scale technology demonstrator aircraft intended to confirm technologies relevant to fielding a multi-Service aircraft with catapult and arresting capability.
X-36A	McDonnell Douglas	None	1 F112-WR-100	NASA	Remotely piloted research vehicle used to demonstrate the practicality of a tail-less agile fighter.
X-37A	TBD	None	2 2-4 Rocket	NASA	Experimental flight vehicle that integrates and tests earth-to-orbit and orbit-to-orbit reusable space transportation technologies.
X-38A	TBD	None	TBD	NASA	Concept model for a crew return vehicle, a "lifeboat" for returning space crew members to Earth.
X-40A	Boeing North American	NONW	1 TBD	AF	An experimental space maneuver vehicle that functions as a reusable vehicle with variety of payloads in military aircraft-like operations and support.
X-40B	Boeing	None	1 TBD	DoD	Upgrade of the X-40A using a reusable rocket engine, advanced thermal protection systems, avionics, and flight control systems.
X-41A	TBD	None	1 TBD	DoD	An experimental maneuvering reentry vehicle that carries a variety of payloads through a suborbital trajectory, reenters the earth's atmosphere, and safely dispenses its payload in the atmosphere.
X-42A	TBD	None	1 TBD	DoD	An experimental expendable liquid-rocket motor upper stage designed to boost various 2,000 to 4,000 pound payloads into their mission orbits.
X-43A	Microcraft	None	1 Scramjet	NASA	Hypersonic experimental research vehicle.
X-44A	Lockheed Martin Pratt & Whitney	None	2 F119-PW-100	NASA/AF	F-22A highly modified by removing tail and installing delta wings, pitch/yaw low-observable nozzles, pneumatic vortex control, and mechanical and fluidic thrust-vectoring nozzles.

RESEARCH SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
X-45A	Boeing	None	1 F1240-GA-100	USAF/USN	Technology demonstrator to prove the technical practicality of an Unmanned Combat Air Vehicle (UCAV) system to conduct the Suppression of Enemy Air Defenses (SEAD) and strike missions.
X-45B	Boeing	None	1 F404-GE-102D-102D	USAF	X-45B UCAV demonstrator concept studied from 2001 to 2002 to build on lessons from the X-45A.
X-45C	Boeing	None	1 F404-GE-102D	USAF/ARMY	X-45C UCAV demonstrator that builds on the lessons learned from the X-45A.
X-46A	Boeing	None	1 Turbofan	Navy	Demonstrates the technical practicality of a UCAV system. Includes surveillance and operations from aircraft carriers.
X-47A	Northrop	None	1 Turbofan	Navy	Demonstrates the technical practicality of a UCAV system. Includes surveillance and operations from aircraft carriers.
X-47B	Northrop Grumman	None	1 Turbofan	Navy	Full-scale version of X-47A. More representative of an operational vehicle.
X-49A	Sikorsky Piasecki	None	2 T700-GE-401C	Navy	One SH-60F shall be converted to test the practicality of the vectored thrust-ducted propeller under the advanced technology demonstration.
X-48A	NASA Boeing	None	3 Williams J24-8	NASA	A blended-wing-body, low-speed vehicle built to investigate its stability and control characteristics. Remotely piloted, with a 35 foot wingspan and a weight of 3,000 pounds.
X-50A	Boeing	None	1 Williams F112	DARPA/DoD	Canard rotor/wing demonstration vehicle. Aircraft capable of rapid transition between a rotary helicopter, for VTOL operation, and a high-speed fixed-wing vehicle.

LIGHTER-THAN-AIR SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
SZ-1A	TBD	None		Navy	Airship used for ASW missions.
YEZ-2A	TBD	None	TBD	Navy	Prototype airship for electronic missions.

AP2. APPENDIX 2APPROVED MISSION DESIGN SERIES (MDS) DESIGNATORS AND SYMBOLS FOR GUIDED MISSILES, ROCKETS, PROBES, BOOSTERS, AND SATELLITESAP2.1. SYMBOLS

The following list outlines the symbols used in guided missile, rocket, probe, booster, and satellite MDS designations. Section AP2.2. shows a sample MDS. A description of each symbol may be found in reference (c).

<u>Status Prefix</u>	<u>Launch Environment</u>	<u>Basic Mission</u>	<u>Vehicle Type</u>
C - Captive	A- Air	C - Transport	B - Booster
D - Dummy	B - Multiple	D - Decoy	M- Guided
J - Special Test (Temporary)	C - Coffin	E - Electronic/ Communications	Missile
M- Maintenance	F - Individual	G - Surface Attack	N - Probe
N - Special Test (Permanent)	G - Surface	I - Aerial/Space Intercept	R - Rocket
X- Experimental	H - Silo Stored	L - Launch Detection/ Surveillance	S - Satellite
Y- Prototype	L - Silo-Launched	M- Scientific/Calibration	
Z - Planning	M- Mobile	N - Navigation	
	P - Soft Pad	Q - Drone	
	R - Ship	S - Space Support	
	S - Space	T - Training	
	U - Underwater	U - Underwater Attack	
		W - Weather	

AP2.2. SAMPLE MISSILE MDS - "BGM-109G"

Launch Environment (Multiple) "B"

Basic Mission (Surface Attack) "G"

Vehicle Type (Guided Missile) "M"

Design Number (109th missile design) "109"

Series (7th version of the design) "G"

AP2.3. APPROVED GUIDED MISSILE, ROCKET, AND PROBE DESIGNATORS

The list of approved MDS designations for all guided missiles, rockets, and probes of direct interest to the Department of Defense starts at page 75. These vehicles are listed sequentially by design number and alphabetically by series.

BOOSTER SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
SB-2A	General Dynamics	Atlas II	Liquid Propellant	Air Force (AF)	1.5-stage, liquid rocket with payload capabilities of about 15,000 pounds low Earth orbit (LEO), 11,000 pounds polar LEO (PLEO), 6,500 pounds geosynchronous transfer orbit (GTO), and 3,100 pounds geosynchronous orbit (GEO).
SB-3A	McDonnell Douglas	Delta II	Liquid/Solid Prop	AF	4-stage, solid and liquid rocket combination with payload capabilities of about 11,520 pounds LEO, 8,795 pounds PLEO, and 4,155 pounds GEO.
SB-4A	Martin Marietta	Titan II	2 Liquid Propellant	AF	2-stage, liquid rocket with payload capabilities of about 5,000 pounds LEO, and 4,200 pounds PLEO.
SB-5A	Lockheed Martin	Titan IV	4 2 Liquid/ 2 Solid	AF	3- or 4-stage, solid and liquid rocket with payload capabilities of about 39,100-47,800 pounds LEO, 12,700 pounds GEO, and 40,200 pounds PLEO, depending on booster and upper stage.
SSB-7A	Boeing	IUS		AF	Inertial upper stage capable of about 5,300 pounds GEO, used with Titan IV.
SSB-8A	General Dynamics	Centar		AF	Upper stage capable of about 10,200 pounds GEO, used with Titan IV.
SSB-9A	McDonnell Douglas	Pam D II		AF	Payload assist module capable of about 3,500 pounds GTO from delta or shuttle.
ASB-11A	Orbital Sciences Hercules	Pegasus	1 Rocket Motor	AF	Air-launched, 3-stage, small booster with payload capabilities of about 1,000 pounds LEO, and 860 pounds PLEO.

MISSILE SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
RIM-2A	General Dynamics	Terrier	1 Solid Propellant	Navy	Surface-to-air weapon for shipboard use. Launched by solid-fuel rocket booster and propelled by solid-fuel rocket sustainer.
RIM-2B	General Dynamics	Terrier	1 Solid Propellant	Navy	Improved RIM-2A.
RIM-2C	General Dynamics	Terrier	1 Solid Propellant	Navy	Improved RIM-2B.
RIM-2D	General Dynamics	Terrier	1 Solid Propellant	Navy	Improved RIM-2C.
RIM-2E	General Dynamics	Terrier	1 Solid Propellant	Navy	Improved RIM-2D.
RIM-2F	General Dynamics	Terrier	1 Solid Propellant	Navy	Improved RIM-2E.
AIM-4D	Hughes	Falcon	1 M-58A-2	AF	Supersonic, air-to-air, passive, infrared (IR)-seeking, guided missiles.
AIM-4F	Hughes	Falcon	1 M-46	AF	Improved AIM-4D.
AIM-4G	Hughes	Falcon	1 M-46	AF	Improved AIM-4F.
AIM-7D	Raytheon	Sea Sparrow	1 Mk-6 Mod 3	Navy	Solid-fuel, radar-homing, air-to-air missile.
CAEM-7E	Raytheon General Dynamics	Sparrow	1 Mk-38	AF/Navy	CATM-7F modified with electronic monitoring equipment.
AIM-7E	Raytheon	Sea Sparrow	1 Mk-38 or Mk-52	Navy	Improved AIM-7D.
ATM-7E	Raytheon General Dynamics	Sparrow	1 Mk-38	AF/Navy	Training AIM-7E.
CATM-7E	Raytheon	Sparrow		AF/Navy	Captive carry ATM-7E.
DATM-7E	Raytheon General Dynamics	Sparrow	1 Mk-38 (Inert)	Navy	Dummy ATM-7E.
CAEM-7F	Raytheon General Dynamics	Sparrow	1 Mk-58 (Inert)	AF/Navy	CATM-7F modified with electronic equipment for electronic recording and Sparrow missile performance evaluation.
AIM-7F	Raytheon General Dynamics	Sparrow	1 Mk-58 or Mk-65	AF/Navy	Improved AIM-7E with solid state electronics.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
RIM-7F	Raytheon	Sea Sparrow	1 Mk-58 or Mk-65	Navy	Surface-launched version of AIM-7F.
YRIM-7F	Raytheon	Sea Sparrow	1 Mk-58 or Mk-65	Navy	Prototype AIM-7F.
ATM-7F	Raytheon	Sparrow	1 Mk-58	AF/Navy	Training AIM-7F.
CATM-7F	Raytheon	Sparrow		AF/Navy	Captive carry ATM-7F.
DATM-7F	Raytheon General Dynamics	Sparrow	1 Mk-58 (Inert)	AF/Navy	Dummy ATM-7F.
RIM-7H	Raytheon	Sea Sparrow	1 Mk-38 or Mk-52	Navy	Surface-to-air version of AIM-7E. Launched by solid-propellant booster and guided to target by semi-active homing.
YRIM-7H	Raytheon	Sea Sparrow	1 Mk-38 Mod 0 Mk-52 Mod 2	Navy	Prototype RIM-7H.
CAEM-7M	Raytheon General Dynamics	Sparrow	1 Mk-58	AF/Navy	CATM-7M modified with electronic monitoring equipment.
AIM-7M	Raytheon General Dynamics	Sparrow	1 Mk-58 Mod 0	AF/Navy	Upgraded AIM-7F.
RIM-7M	Raytheon	Sea Sparrow	1 Mk-58 Mod 0	Navy	Modified surface-launched version of AIM-7F.
ATM-7M	Raytheon General Dynamics	Sparrow	1 Mk-58	AF/Navy	Training AIM-7M.
CATM-7M	Raytheon General Dynamics	Sparrow	1 Mk-58 (Inert)	AF/Navy	Captive carry ATM-7M.
DATM-7M	Raytheon General Dynamics	Sparrow	1 Mk-58 (Inert)	AF/Navy	Dummy ATM-7M.
AIM-7N	Raytheon	Sparrow	1 Mk-59 Mod 0	Navy	Updated AIM-7F used with multi-stage improvement program-modified F-15's.
AIM-7P	Raytheon	Sparrow	1 Mk-59 Mod 0	Navy	Modified AIM-7M with improved electronic counter-measures. Fuse-target detector and lower minimum operating altitude.
RIM-7P	Raytheon	Sparrow	1 Mk-58 Mod 0	Navy	RIM-7M modified to include improved electronic countermeasures and fuse-target detector.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
AIM-7R	Raytheon General Dynamics	Sparrow	1 Mk-58 Mod 5	Navy	Modified AIM-7 with dual-seeker modes and terminal homing.
RIM-7R	Raytheon General Dynamics	Sparrow	1 Mk-58 Mod 4	Navy	Modified AIM-7 with dual-seeker modes and terminal homing. Ship-launched.
RGM-8H	Bendix	Taios	1 Mk-11 Mod 2/5	Navy	RIM-8G with terminal guidance system.
RIM-8H	Bendix	Taios	1 Mk-11 Mod 2/5	Navy	Long-range, surface-to-air, 2-stage, supersonic missile with terminal guidance system.
AIM-9B	Philco & General Electric	Sidewinder	1 Mk-17	Navy	Supersonic, air-to-air, homing weapon with passive IR target detection.
AIM-9D	Philco & Raytheon	Sidewinder	1 Mk-36	Navy	Upgraded AIM-9B.
ATM-9D	Philco & Raytheon	Sidewinder	1 Mk-36	Navy	AIM-9D used for captive flight target acquisition training.
AIM-9E	Philco	Sidewinder	1 Mk-17	AF	Upgraded AIM-9B modified to extend performance envelope.
AIM-9G	Raytheon	Sidewinder	1 Mk-36	Navy	Upgraded AIM-9D with Sidewinder expanded acquisition mode.
ATM-9G	Raytheon	Sidewinder	1 Mk-36	Navy	AIM-9G used for captive flight target acquisition training.
AIM-9H	Raytheon (GCG Only)	Sidewinder	1 Mk-36	Navy	Upgraded AIM-9G with solid-state guidance control.
AIM-9J	Philco	Sidewinder	1 Mk-17	AF	Upgraded AIM-9E.
ZAIM-9K	Raytheon	Sidewinder	1 Mk-36	Navy	Upgraded AIM-9H.
AIM-9L	Raytheon	Sidewinder	1 Mk-36	AF/Navy	Upgraded AIM-9H with cooled seeker for increased engagement envelope.
DATM-9L	Ford Raytheon	Sidewinder	1 Mk-57 (Inert)	Navy/AF	Used to train ground personnel in missile assembly, disassembly, loading, transportation, and storage procedures and techniques.
AIM-9M	Raytheon	Sidewinder	1 Mk-36	AF/Navy	Upgraded AIM-9J.
CATM-9M	Ford Raytheon	Sidewinder	1 Mk-57 (Inert)	Navy/AF	Used for pilot training in aerial target acquisition and use of aircraft controls/displays.
NATM-9M	Ford Raytheon	Sidewinder	1 Mk-36	Navy/AF	Permanent test missile. AIM-9 modified by replacing live-test warhead and/or telemetry section.
AIM-9N	Raytheon	Sidewinder	1 Mk-36	AF	Upgraded AIM-9J.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
AIM-9P	Raytheon	Sidewinder	1 Mk-36	AF	Upgraded AIM-9J.
AIM-9Q	Raytheon	Sidewinder	1 Mk-36 Mod 8/10	Navy	AIM-9M modified with upgraded guidance-control section.
AIM-9S	Raytheon	Sidewinder	1 Mk-36 Mod8/10	Navy	Modified AIM-9M with the counter-countermeasures (CCM) equipment removed from the guidance-control section. Used for FMS.
AIM-9X	Hughes Missile	Sidewinder	1 Mk-36	AF/Navy	Employs a low-drag highly agile airframe, thrust-vector control, and an advanced IR CCM.
CATM-9X	Raytheon	Sidewinder	0 N/A	AF/Navy	Used for pilot training in aerial target acquisition and use of aircraft controls/displays. All components are inert.
DATM-9X	Raytheon	Sidewinder	0 N/A	Navy/AF	Used to train ground personnel in aircraft loading, handling, and storage procedures. All components are inert.
NATM-9X	Raytheon	Sidewinder	1 Tactical Propulsi	AF/Navy	Warhead replaced with telemetry system allows transmittance of missile electrical functions to ground stations during flight.
CQM-10B	Boeing	BOMARC	3 1 M51 2 RJ-43-MA-11	Navy	Surface-to-air, long-range, area defense missile configured as drone.
AGM-12A	Martin & Maxson	Bull Pup	1 Mk-8	Navy	Air-to-surface, tactical, guided missile.
ATM-12A	Martin	Bull Pup Trainer	1 Mk-8	Navy	Trainer version of AGM-12A.
AGM-12B	Martin & Maxson	Bull Pup	1 LR-58-RM-4 Mk-8	Navy	Upgraded AGM-12A. Radio-link command guidance.
ATM-12B	Maxson	Bull Pup Trainer	1 Mk-8	Navy	Trainer version of AGM-12B.
AGM-12C	Martin & Maxson	Bull Pup	1 LR-62-RM-2/-4	Navy	Upgraded AGM-12B.
MIM-14A	McDonnell Douglas	Nike Hercules	1 M-30	Army	High-altitude, air defense missile capable of surface-to-air and surface-to-surface missions.
MIM-14B	McDonnell Douglas	Nike Hercules	1 M-30A-1	Army	Upgraded MIM-14A.
MIM-14C	McDonnell Douglas	Nike Hercules	1 M-30A-2	Army	Upgraded MIM-14B.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
RGM-15A	LTV Aerospace	Regulus II		Navy	None.
XMIM-23A	Raytheon	Hawk	1 XM-112	Army	Prototype MIM-23.
XMEM-23B	USAMICOM	Hawk	1 XM-112	Army	Full telemetry version of MIM-23B.
MIM-23B	USAMICOM	Hawk	1 XM-112	Navy/Army	Upgraded MIM-23A.
XMTM-23B	USAMICOM	Hawk	1 XM-112	Army	MIM-23B used to train battery personnel.
MEM-23C	Raytheon	Hawk	1 XM-112	Army	Full telemetry version of MIM-23C.
MIM-23C	Raytheon	Hawk	1 XM-112	Army	Upgraded MIM-23B.
MEM-23D	Raytheon	Hawk	1 XM-112	Army	MEM-23C with improved guidance in a multi-jamming environment.
MIM-23D	Raytheon	Hawk	1 XM-112	Army	Upgraded MIM-23C.
MEM-23E	Raytheon	Hawk	1 XM-112	Army	MEM-23D modified with new body section assembly.
MIM-23E	Raytheon	Hawk	1 XM-112	Army	MIM-23C with improved guidance in a multi-jamming environment.
MEM-23F	Raytheon	Hawk	1 XM-112	Army	MEM-23E modified with fuse-delay circuit and increased warhead fragmentation size.
MIM-23F	Raytheon	Hawk	1 XM-112	Army	MIM-23D with improved guidance in a multi-jamming environment.
MIM-23G	Raytheon	Hawk	1 XM-112	Army	MIM-23E modified with new body section assembly.
MIM-23H	Raytheon	Hawk	1 XM-112	Army	MIM-23F modified with new body section assembly.
MIM-23J	Raytheon	Hawk	1 XM-112	Army	MIM-23H modified with fuse-delay circuit and increased warhead fragmentation size.
MIM-23K	Raytheon	Hawk	1 XM-112	Army	MIM-23G modified with fuse-delay circuit and increased warhead fragmentation size.
MIM-23L	Raytheon	Hawk		Army	MIM-23G modified with a fuse-delay circuit.
MIM-23M	Raytheon	Hawk		Army	MIM-23H modified with a fuse-delay circuit.

MISSILE SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RIM-24A	General Dynamics	Tartar	1 Mk-27 Mod 2	Navy	Surface-to-air ship-borne missile. Launched by solid-propellant rocket into continuous wave illuminator beam. Directed to target by semi-active homing system.
RIM-24B	General Dynamics	Tartar	1 Mk-27 Mod 2	Navy	Upgraded RIM-24A.
RIM-24C	General Dynamics	Tartar		Navy	Upgraded RIM-24B.
LGM-25C	Martin Marietta	Titan II	2 Liquid Propellant	AF	Inertially guided, liquid-propellant, 2-stage intercontinental ballistic missile (ICBM).
UGM-27A	Lockheed	Polaris		Navy	3-Stage, inertially guided, solid-propellant submarine-launched ballistic missile (SLBM).
UGM-27B	Lockheed	Polaris	2 A-2P	Navy	Improved UGM-27A.
UGM-27C	Lockheed	Polaris	2 A-3P	Navy	Improved UGM-27B.
AGM-28B	North American Rockwell	Hound Dog	1 J52-P-3	AF	Supersonic, jet-propelled, air-to-surface, inertially guided, standoff strategic missile.
LGM-30F	Boeing	Minuteman II	1 M55E	AF	Upgraded LGM-30B with a more sophisticated guidance system and longer range.
NLGM-30F	Boeing	Minuteman II	Various Solid Propellant	AF	Deactivated ICBMs, without warheads, used for test and evaluation purposes.
LGM-30G	Boeing	Minuteman III	1 M55E	AF	Upgraded LGM-30F with Multiple Independently-Targeted Reentry Vehicle (MIRV) warhead.
XMGM-31A	Martin	Pershing	2 XM-101	Army	Field artillery, surface-to-surface, 2-stage, solid-propellant, inertially guided missile.
MQM-33A	Northrop Ventura	None	1 O-100-2	Army	Radio-controlled, high-wing, monoplane target missile (recoverable).
MQM-33B	Northrop Ventura	None	1 1-100-2	Army	Upgraded MQM-33A using a direct-command guidance system.
MQM-33C	Northrop Ventura	None	1 O-100-2	Army	Upgraded MQM-33B.
MQM-33D	Northrop Ventura	None	1 O-100-2	Army	Upgraded MQM-33C.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
BQM-34A	Ryan	Firebee	1 J69-T-29	AF	Recoverable, air- or ground-launched, radio-command-guided target drone.
MQM-34D	Ryan	Firebee	2 J85-7	Army	Ryan model 124-E turbojet target guided missile.
BQM-34E	Ryan	Firebee	1 YF-69-T-406	Navy	Navy version of BQM-34A.
BQM-34F	Ryan	Firebee	1 YF-69-T-406	AF	AF version of BQM-34E.
AQM-34L	Ryan	Firebee	1 J69-T-41A	AF	Upgraded BQM-34A.
AQM-34M	Ryan	Firebee	1 J69-5-41A	AF	Upgraded BQM-34A.
AQM-34P	Ryan	Firebee	1 J100-CA-100	AF	Upgraded BQM-34A.
AQM-34R	Ryan	Firebee	1 J100-CA-100	AF	Upgraded BQM-34A.
BQM-34S	Ryan	Firebee	1 YJ-69T-406	Navy	Upgraded BQM-34E with integrated target control system AN/USQ-3 (NA-70-1495).
BQM-34T	Ryan	Firebee	1 YJ-69T-406	Navy	BQM-34E modified with transponder set AN/DKW-1 and autopilot A/A37-G-9.
AQM-34V	Ryan	Firebee	1 J69-T-29A	AF	Modified AGM-34H/J with ECM and ground/air-launch capability.
MQM-36A	Northrop Ventura	None	1 O-100-2	Navy	Small propeller-driver target drone.
AQM-37A	Beech	None	1 LR64-NA-4	Navy	Air-launched target employing liquid-propellant motor and programmed guidance.
AQM-37C	Beech	None	1 LR64-NA-4	Navy	Upgraded AQM-37A.
AQM-37D	Beech	None	1 LR64-NA-4	Navy	AQM-37C modified to replace obsolete components including a new battery, gyros, digital-avionics processor, and radar augmentation suite.
FIM-43A	USAMICOM	Redeye	1 M-99	Army	Anti-aircraft missile using IR seeker and electro-mechanical guidance device.
FEM-43B	USAMICOM	Redeye	1 M-110	Army	FIM-43B modified to transmit signals used by ground unit to interpret missile function.
FIM-43B	USAMICOM	Redeye	1 M-110	Army	Upgraded FIM-43A.
FEM-43C	USAMICOM	Redeye	1 M-115	Army	Upgraded FEM-43B with new launcher and test equipment.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
FIM-43C	USAMICOM	Redeye	1 M-115	Army	Upgraded FIM-43B with new launcher and test equipment.
FIM-43D	USAMICOM	Redeye	1 M-115	Army	Upgraded FIM-43C.
UUM-44A	Goodyear	SUBROC		Navy	None.
AGM-45A	Texas Instrument & UNIVAC	Shrike	1 Mk-39 or Mk-53	AF/Navy	Air-to-surface tactical missile used to destroy radiation targets.
AGM-45B	Texas Instrument & UNIVAC	Shrike	1 Mk-78	AF/Navy	Upgraded AGM-45A.
ATM-45B	Texas Instrument	Shrike	1 Mk-78	AF/Navy	Training AGM-45A.
MGM-51A	USAMICOM	Shillelagh	1 Mk-78	Army	Direct-fire, line-of-sight guided missile with solid propellants and shaped charge, high-explosive warhead.
MTM-51A	USAMICOM	Shillelagh	1 Mk-78	Army	Training MGM-51A.
MGM-51B	USAMICOM	Shillelagh	1 Mk-78	Army	Upgraded MGM-51A.
MTM-51B	USAMICOM	Shillelagh	1 Mk-78	Army	Training MGM-51B.
MGM-51C	USAMICOM	Shillelagh	1 Mk-78	Army	MGM-51B with shallow-warhead index key to be fired from a shallow-key gun launcher.
MTM-51C	USAMICOM	Shillelagh	1 Mk-78	Army	Training MIM-51B.
AGM-53A	North American Rockwell	Condor	1 Mk-70	Navy	Long-range, electro-optical guided missile.
AGM-53B	North American Rockwell	Condor	1 Mk-70	Navy	Upgraded AGM-53A with electromagnetic interference capability.
AEM-54A	Hughes	Phoenix	1 Mk-47 or Mk-60	Navy	AIM-54A with inert propulsion and armament sections and telemetry evaluation kit. Used as captive carry missile.
AIM-54A	Hughes	Phoenix	1 Mk-47 or Mk-60	Navy	Long-range, tactical, air-to-air missile.
ATM-54A	Novordsta	Phoenix	1 Mk-47 or Mk-60	Navy	Dummy AIM-54A.
AEM-54B	Hughes	Phoenix	1 Mk-47 or Mk-60	Navy	AIM-54A with inert armament section and telemetry equipment. Used for missile flight evaluation.
ATM-54B	Hughes	Phoenix	1 Mk-47 or Mk-60	Navy	Training AIM-54A.

MISSILE SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AIM-54C	Hughes	Phoenix	1 Mk-47 or Mk-60	Navy	Upgraded AIM-54A.
XAIM-54C	Hughes	Phoenix	1 Mk-47 or Mk-60	Navy	Experimental version of the AIM-54C with digital technology.
YAIM-54C	Hughes	Phoenix	1 Mk-47 or Mk-60	Navy	Prototype AIM-54C.
RIM-55A	Bendix	Typhon (MR)		Navy	None.
ZRGM-59A	TBD	None		Navy	Ship-launched, rocket-propelled, surface-to-surface, guided missile for amphibious operations support (landing force support weapon).
AGM-65A	Hughes	Maverick	1 SR-109-TC-1	AF	Air-to-surface, TV-guided tactical missile.
AGM-65B	Hughes	Maverick	1 SR-109-TC-1	AF	Upgraded AGM-65A with view magnification.
AGM-65D	Hughes	Maverick	1 SR-109-TC-1	AF	Upgraded AGM-65B with IR homing guidance system.
AGM-65E	Hughes	Maverick	1 SR-109-TC-1	Navy	Navy version of AGM-65.
AGM-65F	Hughes	Maverick	1 SR-109-TC-1	Navy	AGM-65D modified with maverick alternate warhead and reduced-smoke rocket motor.
CATM-65F	Hughes	Maverick	1 SR-114-TC-1 (Inert)	Navy	Captive carry training version of AGM-65F.
AGM-65G	Hughes	Maverick	1 SR-109-TC-1	Navy	AGM-65F with unique embedded software and no safety or arming device.
AGM-65H	Hughes	Maverick	1 SR-109-TC-1	AF	AGM-65 with upgraded TV-guidance capability.
AGM-65K	Hughes	Maverick	1 SR-114-TC-1	AF	Improved design TV-guidance and control section.
CATM-65K	Raytheon	Maverick	0 N/A	AF	Captive carry training version of the AGM-65K.
YRIM-66A	General Dynamics	Standard	1 Mk-27 Mod 0	Navy	Supersonic, surface-to-air and surface-to-surface weapon for shipboard use, dual-thrust, solid-propellant motor. Continuous wave semi-active homing system (prototype).

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
RIM-66B	General Dynamics	Standard	1 Mk-56 Mod 0	Navy	Production YRIM-66A.
RIM-66C	General Dynamics	Standard	1 Mk-56 Mod 0	Navy	Upgraded RIM-66B adapted to Aegis missile system.
RGM-66D	General Dynamics	Standard	1 Mk-56 Mod 0	Navy	RIM-66B modified as surface-to-surface, anti-radiation missile.
RTM-66D	General Dynamics	Standard	1 Mk-56 Mod 0	Navy	Training RGM-66D.
RGM-66E	General Dynamics	Standard	1 Mk-56 Mod 0	Navy	RGM-66D adapted to ASROC launcher.
RIM-66E	General Dynamics	Standard	1 Mk-56 Mod 0	Navy	Surface-to-air guided missile for shipboard defense. All electric with semi-active homing guidance.
RIM-66G	General Dynamics	Standard	1 Mk-104 Mod 0	Navy	RIM-66C modified with improved guidance section, telemeter unit, and rocket motor.
RIM-66H	General Dynamics	Standard	1 Mk-104 Mod 0	Navy	RIM-66G with Mk51 mod 0 control fin set.
RIM-66J	General Dynamics	Standard	1 Mk-104 Mod 0	Navy	RIM-66D modified with improved guidance section, telemeter unit, and rocket motor.
RIM-66K	General Dynamics Raytheon	Standard	1 Mk-104 Mod 1	Navy	RIM-66J modified with improved target-detection logic. Rail-launched shipboard defense missile.
RIM-66L	General Dynamics Raytheon	Standard	1 Mk-104 Mod 1	Navy	RIM-66G modified with improved detection logic, improved guidance for low-level performance, and shroud assembly.
RIM-66M	General Dynamics Raytheon	Standard	1 Mk-104 Mod 1	Navy	RIM-66H modified with improved detection logic, guidance, and shroud assembly.
YRIM-67A	General Dynamics	Standard	2 SUST Mk-30 Mod 1	Navy	Surface-to-air and surface-to-surface weapon for BSTR Mk-12. Modified shipboard use. 2-stage solid-propellant active-homing system (prototype).
YRQM-67A	Hughes	Standard	N/A	Navy	Ship-launched target flying pre-programmed trajectory (prototype).

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
RIM-67B	General Dynamics	Standard	2 Solid Propellant	Navy	Shipboard surface-to-air and surface-to-surface weapon that employs midcourse command point guidance and terminal semi-active or passing homing.
RIM-67C	General Dynamics	Standard	2 Solid Propellant	Navy	RIM-67B modified with improved guidance and target-detecting shroud.
RIM-67D	General Dynamics	Standard	2 Solid Propellant	Navy	Rail-launched version of the RIM-67 with improved guidance and autopilot battery section.
AGM-69A	Boeing	SRAM	1 XSR-75-LP-1	AF	Short-range, air-to-surface, attack missile (SRAM).
AGM-69B	Boeing	SRAM	1 XSR-75-LP-1	AF	Upgraded AGM-69A.
BGM-71A	Hughes	TOW	1 Sustainer Booster M-114	Army	Aerodynamically maneuvered, tube-launched, optically tracked, wire-guided (TOW) command-link, surface-attack guided missile
BTM-71A	Hughes	TOW	1 Sustainer Booster M-114	Army	Training BGM-71A.
BGM-71B	Hughes	TOW	1 Sustainer Booster M-114	Army	Upgraded BGM-71A.
BTM-71B	USAMICOM	TOW	1 Sustainer Booster M-114	Army	Training BGM-71B.
BGM-71C	Hughes	TOW	1 Sustainer Booster M-114	Army	Upgraded BGM-71B. Improved warhead with contact-activated probe.
BGM-71D	Hughes	TOW	1 Sustainer Booster M-114	Army	Upgraded BGM-71C.
BGM-71E	Hughes	TOW	1 Sustainer Booster M-114	Army	Improved warhead capability over BGM-71D.
BGM-71F	USAMICOM	TOW	1 Sustainer Booster M114	Army	BGM-71E with improved warhead.
BGM-71G	Hughes	TOW	1 Sustainer Booster M-114	Army	Armor-piercing warhead with improved warhead capability over BGM-71F .
BGM-71H	Raytheon	TOW	1 M-114	Army	Upgraded warhead for armor-piercing and penetrating bunkers.
MIM-72A	USAMICOM	Chaparral	1 Mk-50 Mod 0	Army	Supersonic, IR seeker missile used to attack low-flying targets.
MIM-72B	USAMICOM	Chaparral	1 Mk-50 Mod 0	Army	Upgraded MIM-72A.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
MIM-72C	USAMICOM	Chaparral	1 Mk-50 Mod 0	Army	Upgraded MIM-72B.
XMIM-72D	USAMICOM	Chaparral	1 Mk-50 Mod 0	Army	Upgraded MIM-72C. Improved warhead and directional doppler fuse (experimental).
MIM-72E	USAMICOM	Chaparral	1 Mk-50 Mod 0	Army	Upgraded MIM-72D.
MIM-72F	USAMICOM	Chaparral	1 Mk-50 Mod 0	Army	Upgraded MIM-72E.
MIM-72G	Ford Aerospace	Chaparral	1 M-121	Army	Similar to MIM-72C with AN/DAW-2 guidance section.
MIM-72H	Ford Aerospace	Chaparral	1 M-121	Army	Upgraded NIM-72F.
MIM-72J	Loral	Chaparral	1 M-121	Army	Similar to MIM-72G with reduced capability guidance and control system for export.
ZUGM-73A	Lockheed	None	2	Navy	Inertially guided, solid-propellant SLBM. Referred to unofficially as the Poseidon.
MQM-74A	Northrop	None	1 YF-400-WR-400	Navy	Recoverable, remotely controlled, gunnery target launched by Jet-Assisted Take Off (JATO) from ship and shore-based launcher.
MQM-74B	Northrop	None	1 YJ-400-WR-40	Navy	Upgraded MQM-74A.
BQM-74C	Northrop	None	1 YJ-400-WR402	Navy	MQM-74C modified for surface and air-launch capability.
MQM-74C	Northrop	None	1 WR-24-7	Navy	Upgraded MQM-74B.
BQM-74D	Northrop	None	1 WR-24-7	Army	MQM-74C modified for land or water recovery. Precision navigation and sensors for target acquisition and battlefield surveillance.
BQM-74E	Northrop	None	1 J400-WR-404 Turbojet	Navy	Subscale, subsonic aerial target drone that can be surface or air-launched, recovered on land or water, and controlled from the ground or pre-programmed.
AGM-78A	General Dynamics	Standard Arm	1 Mk-27 Mod 4	Navy	Tactical, anti-radiation missile with smoke device.
ATM-78A	General Dynamics	Standard Arm	1 Mk-27	Navy	Training AGM-78A.
AGM-78B	General Dynamics	Standard Arm	1 Mk-27 Mod 4	Navy	Upgraded AGM-78A.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
ATM-78B	General Dynamics	Standard Arm	1 Mk-27 Mod 2/3	Navy	Training AGM-78B used for captive flight and classroom instruction.
AGM-78C	General Dynamics	Standard Arm	1 Mk-27 Mod 4	AF/Navy	Upgraded AGM-78C.
ATM-78C	General Dynamics	Standard Arm	1 Mk-69 Mod 0	AF/Navy	Type-III training AGM-78C used for captive flight and classroom training.
AGM-78D	General Dynamics	Standard Arm	1 Mk-69 Mod 0	AF/Navy	Upgraded AGM-78C.
ATM-78D	General Dynamics	Standard Arm	1 Mk-69 Mod 0	Navy	Type-III training AGM-78D for captive flight and classroom training.
XAQM-81A	Beech	Firebolt	1	AF	Supersonic, high-altitude, target missile used with F-4C aircraft.
AQM-81B	Teledyne Ryan	Firebolt	1	Navy	AQM-81A modified with Navy integrated target control system and parachute recovery and flotation system.
AGM-83A	Texas Instrument & NWCCCL	Bulldog	1 LR-58-RM-4	Navy	AGM-12A modified as air-to-surface, semi-active missile.
ATM-83A	Naval Weapons Center	Bulldog	1 Mk-8 Mod 2	Navy	Training AGM-83A.
AGM-84A	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy/AF	Air-to-surface guided missile designed to destroy ship targets.
ZAGM-84A	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Surface-to-surface guided missile designed to destroy land and sea targets.
RGM-84A	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	AGM-84A modified for shipboard launch.
UGM-84A	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	RGM-84A contained in capsule designed for underwater launch to attack surface target.
ATM-84A	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the AGM-84A.
RTM-84A	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the RGM-84A.
UTM-84A	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the UGM-84A.

MISSILE SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AGM-84B	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	UK Navy	AGM-84A modified for United Kingdom (UK) underwater launch and attack.
RGM-84B	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	RGM-84A modified for UK underwater launch and attack.
UGM-84B	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	UGM-84A modified for UK underwater launch and attack.
ATM-84B	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the AGM-84B.
RTM-84B	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the RGM-84B.
UTM-84B	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the UGM-84B.
AGM-84C	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	AGM-84A modified for lower altitude mid-course profile and sea-skim terminal trajectory.
RGM-84C	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	RGM-84A modified for lower altitude mid-course profile and sea-skim terminal trajectory.
UGM-84C	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	UGM-84A modified for lower altitude mid-course profile and sea-skim terminal trajectory.
ATM-84C	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the AGM-84C.
RTM-84C	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the RGM-84C.
UTM-84C	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the UGM-84C.
NAEM-84D	Naval Ordnance	Harpoon		Navy	Permanent recoverable telemetric jettison test vehicle for the AGM-84D.
AGM-84D	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	AGM-84C modified for increased range, mid-course way points, and selectable (sea skim/pop-up) terminal trajectory.
RGM-84D	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	RGM-84C modified for increased range, mid-course way points, and selectable (sea skim/pop-up) terminal trajectory.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
UGM-84D	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	UGM-84C modified for increased range, mid-course way points, and selectable (sea skim/pop-up) terminal trajectory.
ATM-84D	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the AGM-84D.
CATM-84D	Naval Ordnance Station	Harpoon		Navy	Captive carry inert trainer for the AGM-84D missile.
RTM-84D	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the RGM-84D.
UTM-84D	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the UGM-84D.
NAEM-84E	Naval Ordnance	Harpoon		Navy	Permanent recoverable telemetric jettison test vehicle for the AGM-84E.
AGM-84E	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Air-launched strike weapon for use by carrier aircraft against land targets, ships at port, and ships at sea.
ATM-84E	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	Training version of the AGM-84E.
DATM-84E	Naval Ordnance Station	Harpoon	0 N/A	Navy	Dummy inert trainer for the AGM-84E.
AGM-84F	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	AGM-84F modified with reprogrammable re-attack mode designed to destroy ship targets at increased range.
AGM-84G	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	AGM-84E modified with reprogrammable re-attack mode designed to destroy surface targets.
AGM-84H	McDonnell Douglas	Harpoon	1 XJ-402-CA-400	Navy	AGM-84H modified with improved warhead capability, advanced data-link improvement, new guidance navigation unit, and new planar wings and fins.
CATM-84H	McDonnell	Harpoon	1 XJ402-CA-400 (Inert)	Navy	Captive carry inert trainer for the AGM-84H.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
ZRIM-85A	TBD	None		Navy	Medium-range, surface-to-air, all-weather missile for use against attack aircraft, missiles, and surface targets.
AGM-86B	Boeing	ALCM	1 F-107-WR-100	AF	Air-launched, subsonic, terrain-following cruise missile (ALCM).
AGM-86C	Boeing	ALCM	1 F-107-WR-100	AF	AGM-86B modified for conventional use.
DATM-86C	Boeing	None	0 N/A	AF	Used for missile loading and handling training. All components are inert.
AGM-86D	Boeing	ALCM	1 F-107-WR-100	AF	Modified to deliver a penetrator warhead.
AGM-87A	Naval Wpns Ctr General Electric	Focus I	1 Mk-17 Mod 5	Navy	Classified missile.
AGM-88A	Naval Weapons Center	HARM	1 SR-113-TC-1	AF/Navy	Anti-radiation, high-velocity, air-launched guided missile used against surface radar installation.
ATM-88A	Naval Weapons Center	HARM	1 TSR-113-TC-1	AF/Navy	Training AGM-88A.
CATM-88A	Texas Instrument	HARM	1 TSR-113-TC-1 (Inert)	AF/Navy	Captive, air training version of the AGM-88A.
DATM-88A	Texas Instrument	HARM	1 TSR-113-TC-1	AF/Navy	Mechanical model of the AGM-88A used for training loading crews.
AGM-88B	Naval Weapons Center	HARM	1 SR-113-TC-1	AF/Navy	AGM-88A modified with improved tactical software, improved electric intelligence software and reprogrammable memory.
ATM-88B	TI, Hercules Thiokol, NWC	HARM	1 TSR-113-TCC-1	Navy/AF	Training version of the AGM-88B.
CATM-88B	Texas Instrument	HARM		AF/Navy	Captive, air training version of the AGM-88B.
DATM-88B	Texas Instrument	HARM	1 TSR-113-TC-1	AF/Navy	Mechanical model of AGM-88B & AGM-88C-1, used for crew reprogramming simulation training.

MISSILE SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AGM-88C	Texas Instrument Ford Aerospace	HARM	1 Solid	Navy	Improved guidance section with new operational capabilities against the latest threats.
CATM-88C	Texas Instrument	HARM	1 TSR-113-TC-1 (Inert)	AF/Navy	Captive air training version of the air-to-surface AGM-88C with inert rocket motor and warhead.
AGM-88D	Texas Instrument	HARM	1 YSR 113-TC-1 Solid Propellant	AF/Navy	Provides new Global Positioning System (GPS) and Inertial Measurement Unit capabilities.
AGM-88E	Science and Applied Tech Inc	HARM	1 YSR 113-TC-1 Solid Propellant	Navy	New guidance and control sections.
ZBQM-90A	TBD	None		Navy	Remotely controlled, high-altitude, supersonic aerial target.
AQM-91A	Ryan	None	1 J97	AF	None.
FIM-92A	General Dynamics	Stinger	1 Solid Propellant	Army	Portable, shoulder-fired weapon with missile that uses IR seeker and electro-mechanical guidance to home on low-flying aircraft.
XFIM-92B	General Dynamics	Stinger		Army	Prototype upgrade of FIM-92A.
FIM-92C	General Dynamics	Stinger	1 Solid Propellant	Army	FIM-92A with ultraviolet seeker.
FIM-92D	General Dynamics	Stinger	1 Solid Propellant	Army	FIM-92C modified with improved countermeasures.
FIM-92E	Hughes	Stinger	1 Solid Propellant	Army	FIM-92D fitted with a reconfigured missile battery and roll-frequency sensor.
FIM-92F	Raytheon	Stinger	1 Solid Propellant	Army	Modified FIM-92E with enhancements that have altered the missile dome.
FIM-92G	Raytheon Co.	Stinger	1	Army	Guided Missile Intercept-Aerial. Upgrade of the FIM-92D.
FIM-92H	Raytheon	None	1	Army	Guided Missile Intercept-Aerial.
XGQM-93A	LTV Electro Systems	None	1 PT6A	AF	Remotely piloted vehicle (RPV).

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
YGQM-94A	Boeing	None	1 J97	AF	High-altitude, long-endurance RPV for photo/electronic reconnaissance, target-identification, communication relay, or weather surveillance (prototype).
YGQM-94B	Boeing	None	1 TF34-GE	AF	Upgraded YGQM-94A.
AIM-95A	TBD	Agile	1 Solid Propellant	Navy	Short-range, air-to-air missile for aerial combat.
UGM-96A	Lockheed	Trident		Navy	Long-range SLBM.
XAIM-97A	TBD	None	1 Mk-27 Mod 4	AF	Classified experiment.
YGQM-98A	Teledyne Ryan	None	1 YF-104	AF	Classified prototype.
RIM-101A	TBD	None		Navy	Surface-to-air weapon for shipboard use. Launched from tubby solid-propellant ejector. Passive I-Band Radio Frequency and passive IR guidance.
PQM-102A	General Dynamics	Delta Dagger	1 J57-P/F-23/23A	AF	Drone version of the QF-102A.
PQM-102B	General Dynamics	Delta Dagger	1 J57-P/F-23/-23A P&W Ford	AF	Drone version of the QF-102B.
XAQM-103A	Ryan	None	1 T69-T-41A	AF	Modified Ryan 147G high-altitude drone in RPV test bed configuration. Air-launched from DC-130 and recovered by mid-air retrieval system.
MIM-104A	Martin	Patriot	1 TX-486-1	Army	Production MIM-104A.
XMIM-104A	USAMICOM	Patriot	1 TX-486-1	Army	Air defense missile stored in launch tube.
MIM-104B	USAMICOM	Patriot	1 TX-486-1	Army	MIM-104A modified with improved capability against standoff and self-screening jammers.
MIM-104C	USAMICOM	Patriot	1 TX-486-1	Army	MIM-104B modified with improved systems capability against tactical ballistic missiles.
MIM-104D	Raytheon	Patriot	1 TX-486-1	Army	MIM-104C modified to provide improved detection of targets with reduced cross-section and enhanced lethality.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
MIM-104E	Raytheon	Patriot	1 TX-486-1	Army	Improved detection capability and enhanced lethality.
YMQM-105A	Lockheed	Aquila	1 DYAO 240-B	Army	Small, hydraulically launched, delta-wing pusher-propeller-driven missile. Target acquisition through TV, laser range finder, and laser designator sensors (prototype).
XBQM-106A	Digital Design Incorporated	None	1 Herbranson DYAD220	AF	Modified XBQM-106.
XMQM-106	AF Flight Dynamics Lab	None	1	AF	Experimental tactical RPV.
XBQM-106B	AF Flight Dynamics Lab	None	1 Herbranson DYAD220	AF	Modified XBQM-106A.
XBQM-106C	AF Flight Dynamics Lab	None	1 Herbranson DYAD220	AF	Modified XBQM-106B.
MQM-107A	USAMICOM	Streaker	1 J402-CA-700	Army	Remotely controlled, variable-speed, recoverable, gunnery target drone. Ground launch with JATO assist.
MQM-107B	USAMICOM	Streaker	1 J402-CA-700	AF	AF version of MQM-107A.
MQM-107C	Beech	Streaker	1 J402-CA-700	AF	Improved version of MQM-107A with provisions for maneuvering autopilot installation.
MQM-107D	USAMICOM	Streaker	1 J402-CA-702	AF/Army	Improved MQM-107B with lower cost engines.
MQM-107E	USAMICOM	Streaker	1 J402-CA-702	AF/Army	Improved MQM-107C with lower cost engines.
XBQM-108A	TBD	None	1 CAE X J-402-CA-400	Navy	Experimental vertical take-off and landing (VTOL) drone with low delta wing/canard.
BGM-109A	General Dynamics	Tomahawk	1 F107-400	Navy	Ground-launched cruise missile (GLCM) land attack version.
BGM-109B	General Dynamics	Tomahawk	1 F107-400	AF	Anti-ship version BGM-109A.

MISSILE SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
BGM-109C	General Dynamics	Tomahawk	1 F107-400	Navy	BGM-109B configured for ground launch and using AN/DSW-15(V) guidance system.
RGM-109E	Hughes	Tomahawk	1 J402-CA-401	Navy	Ship-launched, conventional warhead, land-attack or anti-ship weapon with a unitary warhead (WDU-36/B).
UGM-109E	Hughes	Tomahawk	1 J402-CA-401	Navy	Underwater-launched, conventional warhead, land-attack or anti-ship weapon with a unitary warhead (WDU-36/B).
BGM-109G	General Dynamics	Griffin	1 F107-400	AF	AF version of GLCM launched from a transporter erector launcher.
AGM-109H	General Dynamics	Tomahawk	1 J402-CA-401	AF	Medium-range, air-launched, airfield-attack cruise missile with conventional warhead (tactical airfield attack munitions).
RGM-109H	Hughes	Tomahawk	1 J402-CA-401	Navy	Ship-launched, conventional warhead, land-attack or anti-ship weapon with a tomahawk hard-target penetrator warhead.
UGM-109H	Hughes	Tomahawk	1 J402-CA-401	Navy	Underwater-launched, conventional warhead, land-attack or anti-ship weapon with a tomahawk hard-target penetrator warhead.
AGM-109K	General Dynamics	Tomahawk	1 J402-CA-401	AF	Medium-range, air-launched, land-attack and sea-lane control cruise missile with conventional warhead (WDU-25A/B).
AGM-109L	General Dynamics	Tomahawk	1 J402-CA-4401	Navy	Medium-range, air-launched, land/sea-attack cruise missile with conventional warhead (WDU-7B).
XRIM-113A	Naval Surface WPNS Center	None		Navy	Anti-cruise missile surface-to-air defense (experimental).
AGM-114A	Rockwell	Hellfire	1 TX-657	Army	Helicopter-launched anti-armor missile equipped with terminal-homing seeker and shaped-charge warhead.
YAGM-114A	Rockwell	Hellfire	1 TX-657	Army	Prototype AGM-114A.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
AGM-114B	Rockwell	Hellfire	1 13202500	Navy/MC	Helicopter-launched heat missile equipped with terminal homing/guidance provided by three different seeker modules. Minimum smoke motor. Safe arm device (SAD).
YAGM-114B	Rockwell	Hellfire	1 T773-3	Navy	Navy version of AGM-114A. Modification includes SAD.
ATM-114B	Lockheed Martin Rockwell	Hellfire	1 13202500	Navy	Helicopter-launched training version of the AGM-114B without the warhead
AGM-114C	Rockwell	Hellfire	1 M-120E1	Army	Same as AGM-114B, except without SAD.
AGM-114D	USAMICOM	Hellfire	1 M-120E1	Army	AGM-114C modified with digital autopilot.
AGM-114E	USAMICOM	Hellfire	1 T-773-3	Navy	AGM-114B modified with digital autopilot.
AGM-114F	Rockwell	Hellfire	1 M-120E1	Army	AGM-114C modified to include enhanced warhead for penetration of armored targets with reactive armor.
AGM-114G	Rockwell	Hellfire	1 T-773-3	Army	AGM-114B modified to include enhanced warhead for penetration of armored targets with reactive armor. Also includes SAD.
AGM-114H	Rockwell	Hellfire	1 M-120E1	Army	AGM-114F modified by replacing current analog autopilot with reprogrammable digital guidance sub-system.
AGM-114J	Martin Marietta	Hellfire		Army	Army variant of hellfire missile system. Modifications include improvements to guidance, propulsion, warhead, and control sections. Special features include triple warhead with electronic arm/fire and countermeasures hardened seeker.
AGM-114K	Martin Marietta	Hellfire		Navy	Navy variant of hellfire missile system. AGM-114J with SAD feature for rocket motor.
AGM-114L	Martin Marietta Westinghouse	Hellfire		Army	AGM-114H modified with a fire and forget sensor.
AGM-114M	Lockheed Martin	Hellfire		Army	Tandem warheads of the AGM-114K replaced with a blast-fragmentation warhead.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
AGM-114N	Redstone Tech.	Hellfire	1 M-120E5	Army	Guided Missile, Surface Attack.
XMIM-115A	USAMICOM	US Roaland		Army	All-weather, aerodynamically maneuverable, command-to-line-of-sight, guided missile. Optically or radar tracked (experimental).
RIM-116A	Hughes	None	1 Mk-112 Mod 1	Navy	Production XRM-116A.
XRIM-116A	RAM	None		Navy	Experimental surface-to-air missile for anti-ship missile defense.
RTM-116A	Hughes	None	1 Mk-112 Mod 1	Navy	Production training version of the RIM-116A.
XRTM-116A	General Dynamics	None	1 EX 1 Mod 0	Navy	Training version of the XRIM-116A missile.
RIM-116B	Hughes Missile Systems	None	1 Mk-1 Mod 0	Navy	RIM-116A modified with improved guidance and control sections.
RTM-116B	Hughes Missile Systems	None	1 Mk-1 Mod 0	Navy	TRM-116A modified with improved guidance and control sections.
FQM-117A	Mercom	None	1 0.61	Army	Used for target training.
FQM-117B	RS Systems	None	1 0.61	Army	One-ninth scale target of a Soviet MIG-27.
FQM-117C	RS Systems	None	1 0.61	Army	One-ninth scale target of an F-16.
LGM-118A	Martin Marietta	Peacekeeper	4 Solid Propellant 1 Liquid	AF	ICBM with MIRV warhead. Formerly known as MX.
MGM-118A	Martin Marietta	Peacekeeper	4 Solid Propellant 1 Liquid	AF	Mobile-launched version of the peacekeeper transported and stored on trains.
AGM-119A	Kongsberg Norway	Penguin	1 P/N 38441507	AF/NATO	Reprogrammed trajectory missile with passive IR seeker guidance.
AGM-119B	Norsk Forsvarsteknolo	Penguin	1 Solid	Navy	AGM-119A modified with different warhead, fuse, fuse booster, and rocket motor used for helicopter launching.

MISSILE SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
CATM-119B	NAVSURWARCE Indian Head	Penguin	1 Blasted Dummy	Navy	Captive carry inert training version of the AGM-119B.
AIM-120A	Hughes	AMRAAM	1 Solid Propellant	AF/Navy	Advanced medium-range air-to-air missile (AMRAAM) used on fighter aircraft for combat beyond visual range.
YAIM-120A	Hughes	None	1	AF/Navy	Prototype AIM-120A (AMRAAM).
CATM-120A	Hughes	None		AF/Navy	Load training captive carry version of AIM-120A (AMRAAM).
DATM-120A	Hughes	None	0 N/A	AF/Navy	Explosive Ordinance Disposal (EOD) training version of AIM-120A (AMRAAM).
AIM-120B	Hughes Raytheon	AMRAAM	1 Solid Propellant	AF/Navy	Improved version of AIM-120A (AMRAAM).
CATM-120B	Hughes	None	0 N/A	AF/Navy	Inert version of AIM-120B (AMRAAM) for loading and captive carry training.
AIM-120C	Hughes Raytheon	AMRAAM	1 Solid Propellant	AF/Navy	Compressed carriage version of AIM-120B (AMRAAM).
CATM-120C	Hughes	None	0 N/A	AF/Navy	Inert version of AIM-120C (AMRAAM) for loading and captive carry training.
YCQM-121A	Boeing	None	1 Cuyuna Eagle 2 Cycle Recip	AF	Single, surface-to-surface, medium-range attack missile.
YCGM-121B	Boeing	None	2 Cycle/28 H.P.	AF	Prototype mini-drone, emitter attack, autonomous weapon system for the suppression of enemy air defenses (SEAD).
AGM-122A	Naval Weapons Center	None	1 Mk-36 Mod II	Navy	Air-to-surface missile designed to attack enemy radar directed air defense system.
ATM-122A	Naval Weapon Seal Beach	None	1 Mk-36 Mod12	MC	Air-to-ground missile used in fleet weapon training exercises.
CATM-122A	Motorola Inc.	None	0 N/A	Navy	Air training version of the AGM-122A.
AGM-122B	TBD	None	1 Mk-36 Mod 8/ Mod 10	Navy/MC	AGM-122A with a newly developed guidance control system that incorporates electrically erasable programmable read-only memory boards.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
CATM-122B	TBD	None	0 N/A	MC	Captive air training version of the AGM-122B.
AGM-123A	Naval Weapons Center	None	1 WPU-5/B	Navy	Laser guided missile.
AGM-123B	Texas Instrument	None	1 WPU-5/B	Navy	Laser-guided air-to-surface missile.
AGM-124A	Hughes	None	1	AF	Anti-armor air-to-surface missile.
RUM-125A	Boeing	None	1 EX-116 Mod 0	Navy	Ship-launched utility missile with nuclear depth bomb (NDB) payload capability.
UUM-125A	Boeing	None	1 EX-116 Mod 0	Navy	Antisubmarine warfare (ASW) standoff weapon with payload capability for advanced lightweight torpedo or NDB.
RUM-125B	Boeing	None	1 EX-116 Mod 0	Navy	Ship-launched utility missile with Mk-50 torpedo payload capability.
UUM-125B	Boeing	None	1 EX-116 Mod 0	Navy	Submarine-launched utility missile with Mk-50 torpedo payload capability.
BGM-126A	Beech	None	1 TRI 60-3/097 Turbojet	Navy	Target that provides a complete ground and air-launched variable-speed target missile system.
YBQM-126A	TBD	None	1 TBD (turbojet)	Navy	Supersonic subscale target with surface or tactical aircraft launch capability.
YAQM-127A	TBD	None	1 TBD	Navy	Supersonic low-altitude missile target (drone).
YAQM-128A	TBD	None	1 TBD	Navy	Air-launched, non-recoverable, supersonic, subscale aerial target.
AGM-129A	General Dynamics	ACM	1 F112-WR-100	AF	Advanced Cruise Missile (ACM).
AGM-129B	General Dynamics Convair Division	ACM	1 Axiai Flow Turbofan	AF	AGM-129A modified with structural and software changes and an alternate nuclear warhead for accomplishing a classified cruise missile mission.
AGM-130A	Rockwell	None	1 WPU-9/B	AF	Rocket-boosted, hard-target attack version of GBU-15 weapon (TV-guided).
CATM-130A	Rockwell	None	0 N/A	AF	Training version of AGM-130A designed for captive carry flight.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
DATM-130A	Rockwell	None	0 N/A	AF	Training version of AGM-130A designed for land crew and EOD training.
AGM-130B	Rockwell	None	1 WPU-9/B	AF	Rocket-boosted, hard-target attack version of GBU-15 weapon (TV-guided).
AGM-130C	Rockwell	None	1 WPU-9/B	AF	AGM-130A with improved hardened target penetration capability.
AGM-130D	Boeing	None	1 WPU-9/B	AF	Uses the BLU-118 warhead and FMU-143J/B fuse.
AGM-131A	Boeing	None		AF	Air-to-surface missile capable of penetrating targets by using various approach trajectories and velocities (SRAM II).
XAGM-131A	TBD	None	1 TBD	AF	Unknown - for official use only.
AGM-131B	Boeing	None		AF	Tactical version of the SRAM II. AGM-131A shall be carried on B-52s, B-1s, and B-2s. AGM-131B shall be carried on F-15Es.
AIM-132A	Matre BAE Dynamics	None	1 Solid Propellant	RAAF	Operational version of the YAIM-132A.
YAIM-132A	Germany England	None	1 Solid Propellant	AF	Short-range air-to-air missile designed to be effective against a wide variety of targets. Manufactured by Bodenseewerk Geraetetechnik Inc. and British Aerospace dynamics Inc.
UGM-133A	Lockheed	Trident II	3 Solid Propellant	Navy	Trident II missile capable of delivering multiple warheads to selected target.
XMGM-134	TBD	None	3 TBD	AF	Small 3 solid-stage ICBM using advanced peacekeeper inertial guidance and control system.
ASM-135A	Boeing LTV Aerospace	None	2 One XSR-75-LP-1 One AITAIR 20B	AF	Air-launched anti-satellite missile with IR-seeking hyper-kinetic velocity warhead.
CASM-135A	Boeing LTV Aerospace	None	2 One XSR-75-LP-1 One Aitar 20B	AF	Captive carry version of ASM-135A with warhead simulator and inert motors.
AGM-136A	Northrop	None		AF	Unmanned aerial vehicle (UAV) system for autonomous attack of selected emitting systems.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
ATM-136A	Northrop	None		AF	Appearance of a standard, full-size AGM-136A, except for see-through panels for component viewing locations.
DATM-136A	Northrop	None	0 N/A	AF	Dummy AGM-136A used for training.
BGM-136B	TBD	None		AF	Ground-launched version of the AGM-136A.
AGM-137A	Northrop	None	1 F122-WR-100	AF/Navy	Low-observable, standoff, conventional cruise missile.
MGM-137B	Northrop	None	1 F122-WR-100	Army	Ground-launched, low-observable, standoff, conventional cruise missile.
YCEM-138A	Boeing	None	1	AF	Unmanned, ground-launched, autonomous, mini-drone weapon prototype equipped with a radar-jamming payload capable of disrupting air defense acquisition radar.
RTM-139A	Loral Defense Systems	None	1 Mk-114 Mod 0	Navy	Ship-launched training missile for the RUM-139A.
RUM-139A	Loral Systems Group	None	1 EX-114 Mod 0	Navy	All weather, quick-reaction ASW missile designed to be vertically launched from surface ships.
DRUM-139A	Loral Defense Systems	None	1 Mk-114 Mod 0	Navy	Dummy missile used to provide hands-on laboratory training for the RUM-139A.
RTM-139B	Lockheed Martin	None	1 Mk-114 Mod 0	Navy	Training version of the RUM-139B.
RUM-139B	Lockheed Martin	None	1 Mk-114 Mod 0	Navy	Contains a warshot Mk-46 mod 5A torpedo.
RTM-139C	Lockheed Martin	None	1 Mk-114 Mod 0	Navy	Training version of the RUM-139C.
RUM-139C	Lockheed Martin	None	1 Mk-114 Mod 0	Navy	Vertical-launch missile, rocket-propelled, 3-stage ASW weapon.
MGM-140A	USAMICOM	None		Army	Mobile-launched, ground-attack missile with inertial guidance system.
MGM-140B	Loral/Vought	None	1 M-124	Army	MGM-140A modified for self-guidance using a GPS navigation system. Dispenses bomblets at a predetermined location.

MISSILE SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
MGM-140C	Lockheed Martin Vought Systems	None	1 M-124	Army	MGM-140B modified for self-guidance using a GPS navigation system. Dispenses brilliant anti-armor submunition at a predetermined location.
MGM-140D	Lockheed Martin	None	1	Army	Upgraded missile with different structural components.
MGM-140E	Lockheed Martin	None	1 Upgraded MGM-140B	Army	Upgraded MGM-140B with self-guidance using a GPS and a high-explosive warhead.
DMGM-140F	Lockheed	None	1	Army	Dummy Guided Missile that integrates the guidance, warhead, rocket motor, control section, and the electronic batteries.
MGM-140F	Lockheed Martin	None	1	Army	Guided Missile that integrates the guidance, warhead, rocket motor, control section, and the electronic batteries.
ADM-141A	Brunswick Defense Corp	None		Navy	Air-launched decoy with passive radar reflector used to create a false radar image.
ADM-141B	Brunswick Defense Corp	None		Navy	Air-launched decoy that dispenses chaff to create a false radar image.
ADM-141C	Brunswick Israeli Military	None	1 Teledyne CAE 312 Gas Turbine	Navy	ADM-141A modified with turbojet propulsion and ground-clearance capability.
AGM-142A	Rafael	Have Nap	1	AF	Rocket-powered, air-to-surface guided missile intended to attack fixed/mobile, high-value soft targets (Have Nap).
ATM-142A	Rafael	None		AF	Training version of AGM-142A (Have Nap).
CATM-142A	Rafael	None	0 N/A	AF	Training version of the AGM-142A, designed for captive carry (Have Nap).
DATM-142A	Rafael	None	0 N/A	AF	Dummy version of AGM-142A used for ground maintenance training (Have Nap).
AGM-142B	Rafael	Have Nap	1 WPU-14/B	AF	AGM-142A equipped with IR-seeker and blast/fragmentation warhead (Have Nap).
AGM-142C	Rafael	Have Nap	1 WPU-14/B	AF	AGM-142A equipped with TV-seeker and penetrator warhead (Have Nap).

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
AGM-142D	Rafael	Have Nap	1 WPU-14/B	AF	AGM-142A equipped with IR-seeker and penetrator warhead (Have Nap).
CATM-142D	Rafael	None	0 N/A	AF	Used for missile training, captive, without warhead.
DATM-142D	Rafael	None	0 N/A	AF	Used for missile training. Simulates I-800 warhead.
AGM-142E	Rafael	Have Nap	1 WPU-14/B	FMS	Configured for the Royal Australian Air Force (RAAF) F-111 aircraft. Includes MIL-STD-1553 interface, internal 3-phase power converter, and different software.
ATM-142E	Rafael	None	1 WPU-14/B	RAAF	Used for missile training. No warhead.
CATM-142E	Rafael	None	0 N/A	RAAF	Used for missile training.
DATM-142E	Rafael	None	0 N/A	RAAF	Used for missile loading and handling training. All components are inert.
AGM-142F	Rafael	Have Nap	1 WPU-14/B	AF	AGM-142 version that has clipped wings, I-800 warhead, with or without seeker, and unique configuration data links.
AGM-142G	Rafael	Have Nap	1 WPU-14/B	Republic of Korea Air Force (ROK AF)	Has charge-coupled device-seeker with I-800 warhead and software changes for the F-4E flight environment.
AGM-142H	Rafael	Have Nap	1 WPU-14/B	ROK AF	Has Z-seeker with I-800 warhead and software changes for the F-4E flight environment.
MQM-143A	USAMICOM	None		Army	One-fifth scale drone of a Soviet MIG-27.
BQM-145A	Teledyne Ryan	Peregrine	1 CAE 382-10	AF/Navy	Reconnaissance drone capable of flying preprogrammed or dynamic mission profiles up to 350 nautical miles from launch point.
MIM-146A	Martin Marietta	None		Army	Supersonic, laser-beam rider missile used to attack low-flying fixed-wing vehicles and UAVs.
DMTM-146A	Martin Marietta	None	0 N/A	Army	Dummy training version of MIM-146A.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
BQM-147A	RPV Industries	None	1 5.8 ci. Sachs Dolmer 2 cycle	Navy/MC	Remotely/automatically piloted vehicle capable of speeds of 48-100 miles per hour while carrying a 25 pound payload.
FGM-148A	Texas Instrument Martin Marietta	Javelin	1 Solid Propellant	Army	Portable antitank weapon system.
FGM-148B	Texas Instrument Martin Marietta	Javelin	1 Solid Propellant	Army	Guided missile, surface attack.
FGM-148C	Texas Instrument Martin Marietta	None	1 Rocket Motor	USA	Enhancements that alter the missile dome.
YPQM-149A	TBD	TBD	TBD	Army/Navy	Unmanned, short-range vehicle used for reconnaissance, surveillance, and target acquisition.
YPQM-150A	TBD	TBD	TBD	Army/Navy	Unmanned, short-range vehicle used for reconnaissance, surveillance, and target acquisition.
FQM-151A	Aero Vironment	None	1 300 Watt Electric Motor	Navy/MC	Individually launched drone used for reconnaissance and target acquisition. Electrically powered air vehicle constructed of composite materials.
YAIM-152A	TBD	None	TBD	Navy	High-energy, air-launched prototype missile used for interdiction.
AGM-154A	Texas Instrument	None	0 N/A	All	Joint standoff weapon (JSOW). Air-to-ground weapon designed to attack a variety of targets during day, night, or adverse weather conditions. Also contains BLU-97 CEB submunitions.
AGM-154B	Texas Instrument	None	0 N/A	All	JSOW variant with guidance system, BLU-108/B dispense system, deployable wings, controllable and fixed fins, and an all-up-around primary computer.

MISSILE SERIES--Continued

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AGM-154C	Texas Instrument	None		Navy/MC	JSOW variant with guidance system, seeker, unitary warhead, man-in-the-loop data link, deployable wings, controllable and fixed fins, and an all-up-around primary computer. Not a dispenser.
AGM-154D	Raytheon Missile	None	2 WJ248E, J400WR404	Navy	Turbojet version of AGM-154A, which significantly increases the standoff range. Also contains BLU-97/B submunitions.
AGM-154E	Raytheon Missile	None	2 WJ248E, J400WR404	Navy	Turbojet version of AGM-154C, which increases the standoff range. Also includes a link-16 weapon data terminal, which permits in-flight target location updates while providing target imagery to the aircrew.
BQM-155A	TRW/IAI	None	2 Moto Guzzi V75	Army/MC	UAV used for reconnaissance, surveillance, and target acquisition to 150 kilometers beyond forward line of own troops.
RIM-156A	Raytheon/Hughes	None	1	Navy	Vertically launched surface-to-air and surface-to-surface guided missile. Mid-course command guidance and terminal active or passive homing.
RIM-156B	Raytheon	None	1 Mark 104 Mode 3 Mark 72 Mod 1	Navy	ASM-2 block IVA Aegis Vertical Launching System (VLS), extended-range guided missile. Additional mission, asset defense against short-range, theater-ballistic missiles.
YMGM-157A	TBD	None	TBD	Army	Tactical missile utilizing a fiber-optic data link to engage and defeat high-value ground targets.
YMGM-157B	Raytheon	None	1 TBD	Army	Improved tactical missile utilizing a fiber-optic data link to engage and defeat high-value ground targets.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
DMTM-157B	Raytheon	None	0 N/A	Army	Inert training version of the YMGM-157B used for load/unload proficiency.
AGM-158A	Lockheed Martin	None	1 Teledyne	AF/Navy	A powered, autonomous standoff, precision-strike weapon used to destroy fixed and relocatable targets.
DATM-158A	Lockheed Martin	None	0 N/A	AF/Navy	Inert replica used to train load crews. Same size and weight as the ATM-158A. Includes all external operational safety devices.
AGM-158B	Lockheed Martin	None	1 Teledyne	AF/Navy	Enhanced AGM-158A for greatly extended range due to more efficient engine and greater fuel capacity.
AGM-159A	McDonnell Douglas	None	1 TBD	AF/Navy	A powered, autonomous standoff, precision-strike weapon used to destroy fixed and relocatable targets.
ADM-160A	Teledyne Ryan Aeronautical	None	1 TJ-50 Turbojet	AF	A guided air-launch decoy, used to confuse enemy air defense systems. May include a warhead.
ZADM-160B	TBD	None	TBD	USAF	Miniature Air-Launched Decoy. An air-launched, jet-powered airborne vehicle.
RIM-161A	Standard Missile Company	None	3 Solid Propellant	Navy	4-stage, guided missile that is ship-launched using a Mk-41 vertical launching system.
GQM-163A	Orbital Sciences	Coyote	1	Navy	Fixed, ground-launched, supersonic, sea-skimming aerial target, which replicates anti-ship cruise missiles. Used for weapon system test and evaluation and fleet training.
MGM-164A	Lockheed Martin	None	1	Army	Ground-launched missile. Uses an inertial-guided concept with GPS inputs to deliver 13 BAT submunitions to the dispense point.
MGM-165A	Lockheed Martin	None	1 Solid Propellant	Army	Guided hyper-velocity missile for close-combat, heavy armor/tank destruction.
RGM-165A	Raytheon	None	1 Mk104 Dual Thrust	Navy	Land-attack standard missile providing long-range fire support. Uses GPS-aided inertial navigation system and height-of-burst laser sensors for warhead initiation.

MISSILE SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
MGM-166A	Lockkheed	None	1 Solid Propellant	Army	Guided hyper-velocity missile for close-combat, heavy armor/tank destruction.
BQM-167A	Composite Eng.	None	1 Microturbo Tri 60-5+	USAF	Cost-effective and affordable aerial target to support the testing and evaluation of weapon systems and operational training.
MGM-168A	Lockheed	None	1 13287300	Army	Guided Missile, Surface Attack. Self-guided missile that impacts at a predetermined location.

<u>PROBE SERIES</u>					
MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
PWN-8B	Space Data Corp	None	1 SR-71-AD-1	AF	Rocket-borne system to carry meteorological sounding instruments aloft.
PWN-10A	Space Data Corp	None	1 SR-110-AD-1	AF	Rocket-borne meteorological sounding system. Carries transponder-sounding instrument to 240,000 ft, which transmits atmospheric data while returning to Earth by parachute.
PWN-10B	Space Data Corp	None	1 SR-110-AD-1	AF	Modified PWN-10A. Ranging receiver not included in telemetry payload.
PWN-11A	Space Data Corp	None	1 SR-110-AD-1	AF	Rocket-borne system used to carry atmospheric study instruments to 240,000 ft. Instrument transmits atmospheric data while returning to Earth by parachute.
PWN-12A	Space Data Corp Aero Dyne Corp.	None	1 SR-110-AD-1	AF	Rocket-borne meteorological sounding system used to carry balloon radar target ML-568/AM to 300,000 ft. Payload inflates, descends, and is tracked by radar to provide atmospheric density data.

ROCKET SERIES

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
ATR-2A	McDonnell Douglas	Genie		AF	Test firing rocket for the MB-1. To provide pilot training. Has a dummy warhead.
AIR-2B	McDonnell Douglas	Genie	1 SR-49-TC-1	AF	Unguided air-to-air rocket detonated by launching aircraft.
RUR-4A	TBD	Weapon Alpha		Navy	None.
RUR-5A	TBD	ASROC		Navy	None.
RUR-5B	Multi-Manufacturer	ASROC	1 Solid Propellant Grain	Navy	Modified RUR-5.
RUR-5C	Multi-Manufacturer	ASROC	1 Solid Propellant Grain	Navy	Modified RUR-5.
RUR-5D	Multi-Manufacturer	ASROC	1 Solid Propellant Grain	Navy	Modified RUR-5.
RUR-5E	Multi-Manufacturer	ASROC	1 Solid Propellant Grain	Navy	Modified RUR-5.
RUR-5F	Multi-Manufacturer	ASROC	1 Solid Propellant Grain	Navy	RUR-5A modified to utilize new safety devices and shielded cable assemblies.
ADR-8A	Revere Copper & Brass	None		AF	None.
XAGR-14A	TBD	Zap		Navy	None.
MTR-15A	USAMICOM	None	3 Mk-40 Mod 3	Army	Target rocket vehicle for training in defense against aircraft/missile attack.
MQR-16A	TBD	None		Navy	Aerial target with IR enhancement that simulates redeye ballistic flight profile.
XFGR-17A	General Dynamics	Viper	1 5774669	Army	Portable, shoulder fired, unguided rocket used as a light tank weapon.
DGTR-18A	Naval Ordnance Station	Smokey Sam	0 N/A	Navy	Inert training rocket used as substitute for live-rocket units during maintenance and operational training.
RIM-162A	Hughes Missile Systems	None	1 Solid Propellant P/N E7114925	Navy	New rocket motor and tail control technology. Amuch updated version of the AIM/RIM-7P.
RIM-162B	Raytheon	None	1 Rocket P/N7114925	Navy	Employs a thrust vector control (TVC) section and interfaces with a Mk41 VLS and a compatible canister in a 4-pack configuration.

ROCKET SERIES--Continued

MDS	MANU-FACTURER	POPULAR NAME	ENGINE DATA	DEPART-MENT	DESCRIPTION
RIM-162C	Raytheon	None	1 Rocket P/N7114925	Navy	Employs a TVC and interfaces with a Mk-48 guided missile VLS.
RIM-162D	Raytheon	None	1 Rocket P/N7114925	Navy	Employs a TVC and interfaces with a Mk-29 guided missile VLS.

SATELLITE SERIES

MDS	MANU- FACTURER	POPULAR NAME	ENGINE DATA	DEPART- MENT	DESCRIPTION
WS-1A	General Electric	DMSP 5D-2		DoD	Meteorological satellite.
LS-3A	TRW/AESC	DSP	0 N/A	DoD	Defense support system satellite.
ES-4A	TRW	DSCS II	0 N/A	DoD	Defense satellite communication system (DSCS), communication satellite used for command, control, and communications (C3).
ES-5A	General Electric	DSCS III	0 N/A	DoD	DSCS, communication satellite used for C3.
NS-7C	Rockwell	GPS IIA	0 N/A	DoD	Modified NS-7B.
NS-7D	Rockwell	GPS IIR	0 N/A	DoD	Modified NS-7C.
NS-7E	Boeing	GPS IIF (Proposed)	0 N/A	DoD	Satellite-based radio navigation system providing continuous global coverage.
ES-8A	Lockheed	MILSTAR	0 N/A	DoD	Communications satellite used for C3.

AP3. APPENDIX 3ALPHABETICAL LISTING OF APPROVED POPULAR NAMES

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Aardvark	F-111A	Air Force (AF)
Aardvark	F-111G	AF
Aardvark	F-111F	AF
Aardvark	F-111E	AF
Aardvark	F-111D	AF
ABCCC	EC-130E	AF/Coast Guard (CG)
Academe	TC-4C	Navy
Academe	C-4A	CG
ACM	AGM-129	AF
ACM	AGM-129	AF
Aero Commander	U-9C	Army
Aero Commander	U-9D	Navy
Aero Commander	RU-9D	Army
Agile	AIM-95A	Navy
Air Force One	VC-25A	AF
Albatross	HU-16E	CG
ALCM	AGM-86C	AF
ALCM	AGM-86B	AF
ALCM	AGM-86D	AF
AMRAAM	AIM-120B	AF/Navy
AMRAAM	AIM-120	AF/Navy
AMRAAM	AIM-120A	AF/Navy
Apache	AH-64A	Army
Apache	AH-64D	Army
Aquila	YMQM-1	Army
ARIA	EC-18B	AF
ARIA	EC-135E	AF
ASROC	RUR-5E	Navy
ASROC	RUR-5D	Navy
ASROC	RUR-5C	Navy
ASROC	RUR-5B	Navy
ASROC	RUR-5A	Navy
ASROC	RUR-5F	Navy
Atlas II	SB-2A	AF
Avenger	A-12A	Navy
Aztec	U-11A	Navy
Beaver	U-6A	All
Black Hawk	UH-60C	Army
Black Hawk	EH-60A	Army

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Black Hawk	MH-60A	Army
Black Hawk	UH-60A	AF/Army
Black Hawk	YEH-60B	Army
Black Hawk	EH-60C	Army
Black Hawk	MH-60L	Army
Black Hawk	UH-60P	Republic of Korea (ROK) AF
Black Hawk	EH-60L	Army
Black Hawk	UH-60L	Army
Black Hawk	UH-60M	Army
Black Hawk	MH-60K	Army
Black Hawk	UH-60Q	Army
BOMARC	CQM-10	Navy
Bronco	YOV-10D	Navy
Bronco	OV-10A	AF/Navy
Buckeye	YT-2B	Navy
Buckeye	DT-2B	Navy
Buckeye	T-2B	Navy
Buckeye	T-2C	Navy
Bull Pup	AGM-12B	Navy
Bull Pup	AGM-12C	Navy
Bull Pup	AGM-12A	Navy
Bull Pup Trainer	ATM-12A	Navy
Bull Pup Trainer	ATM-12B	Navy
Bulldog	ATM-83A	Navy
Bulldog	AGM-83A	Navy
Canberra	WB-57F	AF
Canberra	EB-57B	AF
Caribou	C-7A	Army
Caribou	YC-7A	Army
Caribou	RC-7B	Army
Centar	SSB-8A	AF
Chaparral	MIM-72H	Army
Chaparral	MIM-72E	Army
Chaparral	MIM-72B	Army
Chaparral	MIM-72A	Army
Chaparral	XMIM-72	Army
Chaparral	MIM-72C	Army
Chaparral	MIM-72J	Army

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Chaparral	MIM-72G	Army
Chaparral	MIM-72F	Army
Chinook	MH-47E	Army
Chinook	MH-47D	Army
Chinook	CH-47F	Army
Chinook	CH-47D	Army
CMMCA	EC-18D	AF
Cobra	AH-1G	Navy
Cobra Ball	RC-135S	AF
Cobra/TOW	TAH-1S	Army
Cobra/TOW	AH-1P	Army
Cobra/TOW	AH-1F	Army
Cochise	T-42A	Army
Comanche	RAH-66A	Army
Combat Sent	RC-135U	AF
Combat Shadow	MC-130P	AF
Combat Talon I	MC-130E	AF
Combat Talon II	MC-130H	AF
Commando Solo	EC-130J	AF
Compass Call	EC-130H	AF
Condor	AGM-53A	Navy
Condor	AGM-53B	Navy
Corsair II	A-7G	Swiss Navy
Corsair II	NA-7C	Navy
Corsair II	A-7B	Navy
Corsair II	A-7E	Navy
Corsair II	A-7C	Navy
Corsair II	A-7A	Navy
Corsair II	TA-7P	Portuguese (Port) Navy
Corsair II	A-7D	AF
Corsair II	NA-7E	Navy
Corsair II	EA-7L	Navy
Corsair II	A-7P	Port Navy
Corsair II	TA-7C	Navy
Corsair II	NA-7A	Navy
Corsair II	YA-7D	AF
Coyote	GQM-163	Navy
Creek	TH-67A	Army
Creek	YTH-67A	Army

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Crusader	F-8J	Navy
Crusader	F-8K	Navy
Crusader	DF-8L	Navy
Crusader	RF-8G	Navy
Delta Dagger	PQM-102	AF
Delta Dagger	PQM-102	AF
Delta Dart	QF-106B	AF
Delta Dart	F-106B	AF
Delta Dart	QF-106A	AF
Delta Dart	F-106A	AF
Delta II	SB-3A	AF
DMSP 5D-2	WS-1A	DoD
Dolphin	HH-65A	CG
Dolphin	HH-65C	CG
Dolphin	HH-65B	CG
Dragon Lady	U-2S	AF
Dragon Lady	U-2R	AF
Dragonfly	OA-37B	AF
DSCS II	ES-4A	DoD
DSCS III	ES-5A	DoD
DSP	LS-3A	DoD
Eagle	YF-15B	AF
Eagle	F-15B	AF
Eagle	YF-15A	AF
Eagle	F-15A	AF
Eagle	F-15C	AF
Eagle	F-15S	Saudi AF
Eagle	F-15D	AF
Extender	KC-10A	AF
Falcon	AIM-4D	AF
Falcon	AIM-4G	AF
Falcon	AIM-4F	AF
Fighting Falcon	F-16A	AF
Fighting Falcon	F-16C	AF
Fighting Falcon	F-16D	AF
Fighting Falcon	F-16B	AF
Fighting Falcon	YF-16A	AF
Fighting Falcon	NF-16A	AF
Fighting Falcon	YF-16B	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Fighting Falcon	F-16N	Navy
Fighting Falcon	TF-16N	Navy
Fighting Falcon	NF-16D	AF
Firebee	BQM-34A	AF
Firebee	MQM-34	Army
Firebee	BQM-34E	Navy
Firebee	BQM-34F	AF
Firebee	BQM-34T	Navy
Firebee	BQM-34S	Navy
Firebee	AQM-34R	AF
Firebee	AQM-34P	AF
Firebee	AQM-34	AF
Firebee	AQM-34L	AF
Firebee	AQM-34V	AF
Firebolt	XAQM-81	AF
Firebolt	AQM-81B	Navy
Flying Classroom	T-29C	Navy
Flying Classroom	T-29B	Navy
Focus I	AGM-87A	Navy
Freedom Fighter	F-5A	Foreign Military Sales (FMS)
Freedom Fighter	F-5B	FMS
Galaxy	C-5A	AF
Galaxy	C-5B	AF
Galaxy	C-5C	AF
Galaxy	C-5M	AF
Genie	AIR-2B	AF
Genie	ATR-2A	AF
Global Hawk	RQ-4A	AF
Global Hawk	RQ-4	AF
Global Hawk	RQ-4B	AF
Globemaster III	C-17A	AF
Goshawk	T-45C	Navy
Goshawk	T-45A	Navy
Goshawk	T-45B	Navy
GPS IIA	NS-7C	DoD
GPS IIF (Proposed)	NS-7E	DoD
GPS IIR	NS-7D	DoD
Greyhound	C-2A	Navy
Griffin	BGM-109	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Guardian	HU-25A	CG
Guardian	HU-25C	CG
Guardian	HU-25B	CG
Gulfstream II	C-11A	CG
Gulfstream III	C-20B	AF
Gulfstream III	C-20E	Army
Gulfstream III	C-20D	Navy
Gulfstream III	C-20C	AF
Gulfstream III	C-20A	AF
Gulfstream IV	C-20J	Army
Gulfstream IV	C-20F	Army
Gulfstream IV	C-20G	Navy
Gulfstream IV	C-20H	AF
HARM	AGM-88E	Navy
HARM	ATM-88A	AF/Navy
HARM	AGM-88A	AF/Navy
HARM	AGM-88C	Navy
HARM	AGM-88D	AF/Navy
HARM	DATM-88	AF/Navy
HARM	CATM-88	AF/Navy
HARM	CATM-88	AF/Navy
HARM	DATM-88	AF/Navy
HARM	AGM-88B	AF/Navy
HARM	ATM-88B	Navy/AF
HARM	CATM-88	AF/Navy
Harpoon	AGM-84E	Navy
Harpoon	ATM-84E	Navy
Harpoon	DATM-84	Navy
Harpoon	AGM-84F	Navy
Harpoon	AGM-84G	Navy
Harpoon	NAEM-84	Navy
Harpoon	CATM-84	Navy
Harpoon	RGM-84C	Navy
Harpoon	AGM-84H	Navy
Harpoon	UGM-84B	Navy
Harpoon	AGM-84A	Navy/AF
Harpoon	ZAGM-84	Navy
Harpoon	RGM-84A	Navy
Harpoon	UGM-84A	Navy
Harpoon	ATM-84A	Navy
Harpoon	RTM-84A	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Harpoon	UTM-84A	Navy
Harpoon	ATM-84C	Navy
Harpoon	RGM-84B	Navy
Harpoon	UTM-84D	Navy
Harpoon	ATM-84B	Navy
Harpoon	RTM-84B	Navy
Harpoon	ATM-84D	Navy
Harpoon	AGM-84C	Navy
Harpoon	UGM-84C	Navy
Harpoon	RTM-84C	Navy
Harpoon	UTM-84C	Navy
Harpoon	NAEM-84	Navy
Harpoon	AGM-84D	Navy
Harpoon	RGM-84D	Navy
Harpoon	UGM-84D	Navy
Harpoon	UTM-84B	Navy
Harpoon	RTM-84D	Navy
Harpoon	AGM-84B	United Kingdom (UK) Navy
Harpoon	CATM-84	Navy
Harrier	AV-8A	Navy
Harrier	TAV-8A	Navy
Harrier	TAV-8B	Navy
Harrier	NTAV-8B	Navy
Harrier	AV-8C	Navy
Harrier	AV-8S	Spanish Navy
Harrier	AV-8D	Navy
Harrier II	NAV-8B	Navy
Harrier II	AV-8B	Navy
Have Nap	AGM-142	AF
Have Nap	AGM-142	AF
Have Nap	AGM-142	AF
Have Nap	AGM-142	FMS
Have Nap	AGM-142	AF
Have Nap	AGM-142	ROK AF
Have Nap	AGM-142	ROK AF
Have Nap	AGM-142	AF
Hawk	MIM-23M	Army
Hawk	MIM-23H	Army

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Hawk	MIM-23G	Army
Hawk	MEM-23D	Army
Hawk	MIM-23C	Army
Hawk	MEM-23C	Army
Hawk	XMTM-23	Army
Hawk	MIM-23B	Navy/Army
Hawk	XMIM-23	Army
Hawk	MEM-23E	Army
Hawk	MIM-23L	Army
Hawk	MIM-23F	Army
Hawk	MIM-23D	Army
Hawk	MEM-23F	Army
Hawk	MIM-23E	Army
Hawk	MIM-23K	Army
Hawk	MIM-23J	Army
Hawk	XMEM-23	Army
Hawker	C-29A	AF
Hawkeye	TE-2C	Navy
Hawkeye	E-2B	Navy
Hawkeye	TE-2A	Navy
Hawkeye	E-2C	Navy
Hawkeye	YE-2C	Navy
Hellfire	AGM-114	Army
Hellfire	YAGM-11	Navy
Hellfire	AGM-114	Army
Hellfire	AGM-114	Navy
Hellfire	AGM-114	Army
Hellfire	AGM-114	Navy/Marine Corps (MC)
Hellfire	AGM-114	Army
Hellfire	ATM-114	Navy
Hellfire	AGM-114	Army
Hellfire	YAGM-11	Army
Hellfire	AGM-114	Navy
Hellfire	AGM-114	Army
Hellfire	AGM-114	Army
Hellfire	AGM-114	Army
Hellfire	AGM-114	Army
Hellfire	AGM-114	Army
Hellfire	AGM-114	Army
Hellfire	AGM-114	Army
Hercules	NC-130H	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Hercules	C-130J	AF/Air National Guard (ANG)
Hercules	C-130H	AF
Hercules	C-130F	Navy
Hercules	TC-130H	AF
Hercules	KC-130T	Navy
Hercules	LC-130F	Navy
Hercules	C-130K	UK
Hercules	HC-130H	AF/CG
Hercules	C-130T	Navy
Hercules	KC-130F	Navy
Hercules	KC-130R	Navy
Hercules	LC-130R	Navy
Hercules	LC-130H	AF
Hercules	NC-130A	AF
Hercules	NC-130E	AF
Hercules	C-130J	AF
Hercules	DC-130A	AF/Navy
Hercules	C-130B	AF
Hercules	NC-130B	AF
Hercules	C-130D	AF
Hercules	C-130E	AF
Hercules	WC-130H	AF
Hercules	C-130A	AF
Hornet	F-18A	Navy
Hornet	TF-18A	Navy
Hornet	F-18L	Navy
Hornet	A-18A	Navy
Hornet	NFA-18B	Navy
Hornet	FA-18D	Navy
Hornet	TFA-18A	Navy
Hornet	FA-18B	Navy
Hornet	RFA-18A	Navy
Hornet	FA-18C	Navy
Hornet	NFA-18A	Navy
Hornet	FA-18A	Navy
Hornet	NFA-18C	Navy
Hornet	NFA-18D	Navy
Hound Dog	AGM-28B	AF
Huey/Cobra	AH-1E	Army

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Hunter (Proposed)	RQ-5A	Army
Huron	RC-12P	Army
Huron	C-12A	Army
Huron	RC-12Q	Army
Huron	C-12U	Army
Huron	C-12S	Army
Huron	UC-12F	Navy
Huron	RC-12F	Navy
Huron	RC-12G	Army
Huron	UC-12M	Navy
Huron	NC-12B	Navy
Huron	RC-12H	Army
Huron	C-12R	Army
Huron	RC-12M	Navy
Huron	C-12C	Army/AF
Huron	C-12D	AF/Army
Huron	C-12T	Army
Huron	RC-12N	Army
Huron	UC-12B	Navy
Huron	RC-12D	Army
Huron	C-12F	AF
Huron	C-12J	AF
Huron	RC-12K	Army
Huron	C-12L	Army
Intruder	JA-6A	Navy
Intruder	A-6F	Navy
Intruder	A-6E	Navy
Intruder	A-6A	Navy
Intruder	A-6C	Navy
Intruder	EA-6A	Navy
Intruder	NA-6A	Navy
Intruder	NA-6E	Navy
Intruder	A-6B	Navy
Intruder	KA-6D	Navy
Iroquois	UH-1E	Navy
Iroquois	HH-1N	Navy
Iroquois	UH-1F	AF
Iroquois	UH-1V	Army
Iroquois	EH-1H	Army

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Iroquois	HH-1H	AF
Iroquois	UH-1H	Army/Navy
Iroquois	UH-1L	Navy
Iroquois	NUH-1E	Navy
Iroquois	NUH-1N	Navy
Iroquois	EH-1X	Army
Iroquois	TH-1L	Navy
Iroquois	UH-1P	AF
Iroquois	HH-1K	Navy
Iroquois	UH-1N	Navy
IUS	SSB-7A	AF
Javelin	FGM-148	Army
Javelin	FGM-148	Army
Jayhawk	CT-1B	Army
Jayhawk	T-1A	AF
Joint STARS	E-8A	AF
Joint STARS	E-8C	AF
Jolly Green Giant	HH-3E	AF
KFIR C-1	F-21A	Navy
King	HC-130P	AF
King	HC-130N	AF
Kiowa	OH-58A	Army/Navy
Kiowa	OH-58C	Army
Kiowa Warrior	OH-58D	Army
Lancer	B-1B	AF
Liftmaster	C-118B	Navy
Looking Glass	EC-135C	AF
Maverick	AGM-65D	AF
Maverick	AGM-65B	AF
Maverick	AGM-65E	Navy
Maverick	AGM-65F	Navy
Maverick	CATM-65	Navy
Maverick	AGM-65G	Navy
Maverick	AGM-65H	AF
Maverick	AGM-65K	AF
Maverick	CATM-65	AF
Maverick	AGM-65A	AF
Mentor	T-34A	AF
Mentor	YT-34C	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Mentor	NT-34C	Navy
Mentor	T-34B	Navy
Mentor	T-34C	Navy
Mescalero	T-41D	AF
Mescalero	T-41C	AF
Mescalero	T-41B	Army
Mescalero	T-41A	AF
MILSTAR	ES-8A	DoD
Minuteman II	NLGM-30	AF
Minuteman II	LGM-30F	AF
Minuteman III	LGM-30G	AF
Mohawk	OV-1A	Army
Mohawk	OV-1B	Army
Mohawk	JOV-1B	Army
Mohawk	OV-1C	Army
Mohawk	OV-1D	Army
Mohawk	JOV-1D	Army
Mohawk	RV-1D	Army
Mohawk	OV-1E	Army
Mohawk	RV-1E	Army
Mohawk	JOV-1C	Army
NAOC	E-4B	AF
Neptune	DP-2H	Navy
Neptune	DP-2E	Navy
Neptune	EP-2H	Navy
Neptune	SP-2H	Navy
Neptune	NP-2H	Navy
Night Hawk	F-117A	AF
Nighthawk	VH-60D	MC
Nighthawk	VH-60N	MC
Nightingale	C-9C	AF
Nightingale	C-9A	AF
Nike Hercules	MIM-14A	Army
Nike Hercules	MIM-14C	Army
Nike Hercules	MIM-14B	Army
None	EC-135G	AF
None	TU-2R	AF
None	O-1A	AF
None	O-2A	AF
None	O-2B	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	EC-130V	CG
None	WC-135B	AF
None	O-5A	Army
None	EO-5B	Army
None	P-7A	Navy
None	EC-135B	AF
None	RQ-2A	Navy/MC
None	TG-9A	AF
None	E-9A	AF
None	F-4F	German Air Force (GAF)
None	E-6A	Navy
None	F-20A	FMS
None	YF-22A	AF
None	TG-3A	AF
None	TG-4A	AF
None	TH-53A	AF
None	RG-8A	Army
None	NMH-53E	Navy
None	TG-10A	AF
None	TG-11A	AF
None	MH-1W	Navy
None	TH-6B	Navy
None	T-43A	AF
None	HH-52A	CG
None	EC-135H	AF
None	TG-7A	AF
None	UV-23A	Army
None	FB-111A	AF
None	XFV-12A	Navy
None	XV-15A	Army
None	AV-16A	Navy
None	UV-20A	Army
None	CV-22A	AF
None	HV-22A	Navy
None	MV-22A	MC
None	SV-22A	Navy
None	EC-135Y	AF
None	MV-22B	Navy
None	RC-135X	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	X-26A	Navy
None	X-29A	All
None	X-30A	DoD/National Aeronautics and Space Administration (NASA)
None	X-31A	Navy
None	X-32C	Joint Advanced Strike Technology (JAST)
None	MD-1B	AF
None	BQM-167	AF
None	X-38A	NASA
None	SZ-1A	Navy
None	HV-22B	Navy
None	OA-10A	AF
None	SR-71A	AF
None	SR-71B	AF
None	RU-38A	CG
None	T-3A	AF
None	YEZ-2A	Navy
None	CT-43A	AF
None	T-44A	Navy
None	T-47A	Navy
None	OT-47B	AF
None	EC-137D	AF
None	U-3B	AF
None	TU-2S	AF
None	EC-135J	AF
None	EC-135K	AF
None	X-36A	NASA
None	U-27A	Army/FMS
None	AQM-37D	Navy
None	EC-135L	AF
None	EC-135N	AF
None	EC-135P	AF
None	WC-135	AF
None	U-3A	AF/Navy
None	AGM-136	AF
None	XAGM-13	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	AGM-131	AF
None	DATM-14	Royal Australian Air Force (RAAF)
None	CATM-14	RAAF
None	X-44A	NASA/AF
None	RIM-162D	Navy
None	RIM-162	Navy
None	RIM-162B	Navy
None	MH-60S	Navy
None	YAIM-132	AF
None	C-21A	AF
None	XMGM-13	AF
None	YCQM-1	AF
None	CASM-13	AF
None	AGM-130	AF
None	ATM-136	AF
None	DATM-13	AF
None	BGM-136	AF
None	AGM-137	AF/Navy
None	HH-60L	Army
None	AGM-154	Navy
None	AGM-154	Navy
None	MGM-137	Army
None	YCEM-13	AF
None	RTM-139	Navy
None	RUM-139	Navy
None	DRUM-13	Navy
None	ASM-135	AF
None	TC-18E	AF
None	X-41A	DoD
None	AGM-122	Navy
None	ATM-122	MC
None	CATM-12	Navy
None	AGM-122	Navy/MC
None	CATM-12	MC
None	AGM-123	Navy
None	AGM-123	Navy
None	AGM-124	AF
None	RUM-125	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	X-47A	Navy
None	RGM-165	Navy
None	AGM-131	AF
None	MGM-140	Army
None	AGM-130	AF
None	UUM-125	Navy
None	RUM-125	Navy
None	UUM-125	Navy
None	HH-60M	Army
None	ATM-142E	RAAF
None	BGM-126	Navy
None	YBQM-12	Navy
None	YAQM-12	Navy
None	YAQM-12	Navy
None	AGM-130	AF
None	CATM-13	AF
None	DATM-13	AF
None	MGM-140	Army
None	MH-60R	Navy
None	RIM-161A	Navy
None	MGM-140	Army
None	WC-135C	AF
None	RQ-2B	Navy/MC
None	AQM-37A	Navy
None	RQ-7A	Army
None	C-40B	AF
None	C-40C	ANG
None	C-41A	AF
None	UC-35D	Navy
None	UC-35B	Army
None	C-40A	Naval Reserve
None	NC-135W	AF
None	PWN-8B	AF
None	NC-21A	AF
None	RUM-139	Navy
None	C-26D	Navy
None	X-42A	DoD
None	PWN-10A	AF
None	PWN-10B	AF
None	PWN-11A	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	PWN-12A	AF
None	ADR-8A	AF
None	MTR-15A	Army
None	MQR-16A	Navy
None	TC-12B	Navy
None	ADM-160	AF
None	RIM-162A	Navy
None	TE-8A	AF
None	X-37A	NASA
None	MIM-146	Army
None	CATM-12	AF/Navy
None	ADM-141	Navy
None	ADM-141	Navy
None	ADM-141	Navy
None	ATM-142	AF
None	CATM-14	AF
None	TC-18F	Navy
None	TG-12A	AF
None	X-40B	DoD
None	RTM-139	Navy
None	RUM-139	Navy
None	DATM-14	AF
None	X-43A	NASA
None	AIM-132A	RAAF
None	MGM-140	Army
None	DMTM-14	Army
None	BQM-147	Navy/MC
None	FQM-151	Navy/MC
None	YAIM-152	Navy
None	AGM-154	All
None	AGM-154	All
None	AGM-154	Navy/MC
None	BQM-155	Army/MC
None	RIM-156A	Navy
None	YMGM-1	Army
None	YMGM-1	Army
None	AGM-158	AF/Navy
None	AGM-159	AF/Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	MQM-143	Army
None	AGM-130	AF
None	XSS-10A	AF
None	EUH-60L	Army
None	MGM-165	Army
None	F-35C	Navy
None	F-35B	MC
None	F-35A	AF
None	AGM-158	AF/Navy
None	RQ-8A	Navy
None	RQ-1B	AF
None	MGM-164	Army
None	X-48A	NASA
None	RTM-139	Navy
None	MQM-74	Navy
None	C-23C	Army
None	MGM-166	Army
None	MQ-9A	AF
None	X-50A	Defense Advanced Research Projects Agency (DARPA)/DoD
None	RIM-156B	Navy
None	ZRGM-59	Navy
None	EC-130Q	Navy
None	WC-130J	AF
None	EC-130G	Navy
None	TG-14A	AF
None	TG-10D	AF
None	TG-10C	AF
None	ZUGM-73	Navy
None	YCGM-12	AF
None	X-47B	Navy
None	CT-49A	North Atlantic Treaty Organization (NATO)
None	U-10A	USA
None	X-45A	AF/Navy
None	FGM-148	USA
None	X-45C	AF/Army
None	X-45B	AF
None	ZADM-16	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	X-49A	Navy
None	MGM-168	Army
None	MQM-33	Army
None	MQM-33	Army
None	MQM-33	Army
None	MQM-33	Army
None	NAH-1Z	Navy
None	AQM-37	Navy
None	MD-1A	AF
None	YC-14A	AF
None	KC-767A	AF
None	T-48A	Navy
None	CQ-10A	Army
None	MGM-140	Army
None	FIM-92H	Army
None	YMQ-9A	AF
None	DMGM-1	Army
None	RD-2A	AF/Navy
None	RD-2B	AF
None	E-10A	AF
None	C-32B	AF
None	BQM-74	Navy
None	MQM-36	Navy
None	RTM-116	Navy
None	MQM-74	Navy
None	C-26B	AF
None	C-26A	AF
None	EC-24A	Navy
None	C-23B	Army
None	C-23A	AF
None	C-22B	AF
None	XRIM-113	Navy
None	C-22A	AF
None	RIM-116A	Navy
None	XRIM-116	Navy
None	RTM-116	Navy
None	C-27A	AF
None	RIM-116B	Navy
None	C-28A	Navy
None	FQM-117	Army
None	FQM-117	Army

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	FQM-117	Army
None	DATM-15	AF/Navy
None	CATM-14	AF
None	DATM-14	AF
None	DATM-86	AF
None	X-46A	Navy
None	YAIM-120	AF/Navy
None	CATM-12	AF/Navy
None	DATM-12	AF/Navy
None	CATM-12	AF/Navy
None	XRTM-11	Navy
None	RIM-101A	Navy
None	MQM-74	Navy
None	BQM-74D	Army
None	BQM-74E	Navy
None	ZRIM-85	Navy
None	ZBQM-90	Navy
None	AQM-91A	AF
None	TG-10B	AF
None	DMTM-15	Army
None	XGQM-93	AF
None	YGQM-9	AF
None	YGQM-9	AF
None	C-38A	AF
None	UC-26C	AF
None	YGQM-9	AF
None	XMQM-1	AF
None	C-31A	Army
None	UC-35A	Army
None	C-37A	AF
None	XBQM-10	AF
None	XAIM-97	AF
None	XBQM-10	AF
None	XBQM-10	Navy
None	XBQM-10	AF
None	MGM-140	Army
None	C-18B	AF
None	UC-35C	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
None	MQ-1B	AF
None	YC-15A	AF
None	XAQM-10	AF
NONW	X-40A	AF
Open Skies	OC-135B	AF
Orion	RP-3D	Navy
Orion	UP-3A	Navy
Orion	NP-3C	Navy
Orion	NP-3D	Navy
Orion	YP-3C	Navy
Orion	UP-3B	Navy
Orion	EP-3B	Navy
Orion	P-3B	Navy
Orion	NUP-3A	Navy
Orion	P-3C	Navy
Orion	EP-3J	Navy
Orion	TP-3A	Navy
Orion	P-3A	Navy
Orion	RP-3A	Navy
Orion	NP-3A	Navy
Orion	EP-3A	Navy
Orion	WP-3A	Navy
Otter	U-1A	Army
Otter	NU-1B	Navy
Outrider (Proposed)	RQ-6A	Army
Pam D II	SSB-9A	AF
Patriot	MIM-104	Army
Patriot	MIM-104	Army
Patriot	MIM-104	Army
Patriot	XMIM-10	Army
Patriot	MIM-104	Army
Patriot	MIM-104E	Army
Pave Hawk	HH-60G	AF
Pave Hawk	MH-60G	AF
Pave Low	MH-53E	Navy
Pave Low III	MH-53J	AF
Pave Low IV	MH-53M	AF
Peacekeeper	MGM-118	AF
Peacekeeper	LGM-118	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Pegasus	ASB-11A	AF
Penguin	CATM-11	Navy
Penguin	AGM-119	AF/NATO
Penguin	AGM-119	Navy
Peregrine	BQM-145	AF/Navy
Pershing	XMGM-31	Army
Phantom II	F-4M	Royal Air Force (RAF)
Phantom II	NF-4D	AF
Phantom II	QF-4G	AF
Phantom II	F-4J	Navy
Phantom II	EF-4J	Navy
Phantom II	YF-4J	Navy
Phantom II	F-4K	UK Navy
Phantom II	F-4G	AF
Phantom II	F-4B	Navy
Phantom II	RF-4B	Navy
Phantom II	QRF-4C	AF
Phantom II	QF-4B	Navy
Phantom II	F-4C	AF
Phantom II	F-4S	Navy
Phantom II	RF-4C	AF
Phantom II	F-4N	Navy
Phantom II	QF-4E	AF
Phantom II	F-4E	AF/GAF
Phantom II	F-4D	AF
Phoenix	ATM-54B	Navy
Phoenix	YAIM-54	Navy
Phoenix	XAIM-54	Navy
Phoenix	AIM-54C	Navy
Phoenix	AEM-54B	Navy
Phoenix	AEM-54A	Navy
Phoenix	AIM-54A	Navy
Phoenix	ATM-54A	Navy
Polaris	UGM-27A	Navy
Polaris	UGM-27B	Navy
Polaris	UGM-27C	Navy
Power (Proposed)	MH-68A	CG
Predator	RQ-1A	AF
Provider	UC-123K	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Provider	C-123K	AF
Prowler	EA-6B	Navy
Raptor	F-22A	AF
Raptor	FB-22A	AF
Raptor	F-22B	AF
Raptor	FA-22A	AF
Raven	EF-111A	AF
Redeye	FIM-43D	Army
Redeye	FIM-43C	Army
Redeye	FEM-43C	Army
Redeye	FIM-43B	Army
Redeye	FEM-43B	Army
Redeye	FIM-43A	Army
Regulas II	RGM-15A	Navy
Rivet Joint	RC-135V	AF
Rivet Joint	RC-135W	AF
Sabre	QF-86H	Navy
Sabreliner	T-39G	Navy
Sabreliner	T-39B	AF
Sabreliner	T-39D	Navy
Sabreliner	CT-39A	AF
Sabreliner	NT-39A	AF
Sabreliner	CT-39E	Navy
Sabreliner	CT-39G	Navy
Sabreliner	T-39N	Navy
Samaritan	C-131F	Navy
Samaritan	NC-131H	AF
Samaritan	C-131B	AF
Samaritan	C-131G	Navy
Sea Cobra	AH-1T	Navy
Sea Cobra	JAH-1T	Navy
Sea Cobra	AH-1J	Navy
Sea Cobra	AH-1W	Navy
Sea Hawk	SH-60B	Navy
Sea Hawk	NSH-60R	Navy
Sea Hawk	NSH-60F	Navy
Sea Hawk	YMH-60R	Navy
Sea Hawk	YSH-60B	Navy
Sea Hawk	SH-60F	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Sea Hawk	NSH-60B	Navy
Sea Hawk	HH-60J	Navy
Sea Hawk	SH-60R	Navy
Sea Hawk	CH-60S	Navy
Sea Hawk	HH-60H	Navy
Sea King	SH-3A	Navy
Sea King	UH-3H	Navy
Sea King	SH-3H	Navy
Sea King	SH-3G	Navy
Sea King	HH-3F	CG
Sea King	CH-3E	AF
Sea King	SH-3D	Navy
Sea King	CH-3B	Navy
Sea King	NVH-3A	Navy
Sea King	NSH-3A	Navy
Sea King	YSH-3J	Navy
Sea King	HH-3A	Navy
Sea King	UH-3A	Navy
Sea Knight	CH-46E	Navy
Sea Knight	CH-46F	Navy
Sea Knight	UH-46D	Navy
Sea Knight	CH-46D	Navy
Sea Knight	UH-46A	Navy
Sea Knight	HH-46A	Navy
Sea Knight	CH-46A	Navy
Sea Knight	NCH-46A	Navy
Sea Ranger	TH-57A	Navy
Sea Ranger	TH-57C	Navy
Sea Ranger	TH-57B	Navy
Sea Sparrow	YRIM-7F	Navy
Sea Sparrow	AIM-7E	Navy
Sea Sparrow	YRIM-7H	Navy
Sea Sparrow	RIM-7H	Navy
Sea Sparrow	RIM-7F	Navy
Sea Sparrow	RIM-7M	Navy
Sea Sparrow	AIM-7D	Navy
Sea Sprite	UH-2C	Navy
Sea Sprite	YSH-2G	Navy
Sea Sprite	SH-2G	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Sea Sprite	SH-2F	Navy
Sea Sprite	YSH-2E	Navy
Sea Sprite	SH-2D	Navy
Sea Sprite	HH-2D	Navy
Sea Stallion	CH-53D	Navy
Sea Stallion	CH-53A	Navy
Sea Stallion	NRH-53D	Navy
Sea Stallion	RH-53D	Navy
Seminole	RU-8D	Army
Seminole	U-8G	Army
Seminole	U-8F	Army
Seminole	NU-8E	Army
Seminole	U-8D	Army
Sentry	E-3A	NATO
Sentry	KE-3A	Saudi AF
Sentry	E-3D	UK
Sentry	RE-3A	Saudi AF
Sentry	E-3B	AF
Sentry	E-3F	French AF
Sentry	E-3C	AF
Sentry	RE-3B	Saudi AF
Shillelagh	MTM-51C	Army
Shillelagh	MGM-51	Army
Shillelagh	MTM-51B	Army
Shillelagh	MGM-51	Army
Shillelagh	MTM-51A	Army
Shillelagh	MGM-51	Army
Shooting Star	QT-33A	Navy
Shooting Star	T-33A	AF
Shooting Star	NT-33A	AF
Shrike	ATM-45B	AF/Navy
Shrike	AGM-45B	AF/Navy
Shrike	AGM-45A	AF/Navy
Sidewinder	AIM-9G	Navy
Sidewinder	ZAIM-9K	Navy
Sidewinder	NATM-9X	AF/Navy
Sidewinder	AIM-9S	Navy
Sidewinder	AIM-9P	AF
Sidewinder	NATM-9M	Navy/AF
Sidewinder	CATM-9	Navy/AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Sidewinder	AIM-9M	AF/Navy
Sidewinder	DATM-9X	Navy/AF
Sidewinder	AIM-9L	AF/Navy
Sidewinder	AIM-9Q	Navy
Sidewinder	AIM-9J	AF
Sidewinder	AIM-9H	Navy
Sidewinder	AIM-9B	Navy
Sidewinder	AIM-9D	Navy
Sidewinder	AIM-9E	AF
Sidewinder	ATM-9G	Navy
Sidewinder	DATM-9L	Navy/AF
Sidewinder	CATM-9X	AF/Navy
Sidewinder	ATM-9D	Navy
Sidewinder	AIM-9X	AF/Navy
Sidewinder	AIM-9N	AF
Skyhawk	OA-4M	Navy
Skyhawk	A-4E	Navy
Skyhawk	NA-4E	Navy
Skyhawk	A-4F	Navy
Skyhawk	NA-4F	Navy
Skyhawk	NTA-4F	Navy
Skyhawk	TA-4F	Navy
Skyhawk	NA-4M	Navy
Skyhawk	A-4M	Navy
Skyhawk	A-4C	Navy
Skyhawk	A-4L	Navy
Skyhawk	TA-4B	Navy
Skyhawk	NTA-4J	Navy
Skyhawk	TA-4J	Navy
Skyhawk	EA-4F	Navy
Skyraider	EA-1E	USN
Skytrain	C-117D	Navy
Skytrain	C-47T	FMS/AF
Skytrain	NC-117D	Navy
Skytrain	TC-117D	Navy
Skytrain II	C-9B	Navy
Skywarrior	RA-3B	Navy
Skywarrior	EA-3B	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Skywarrior	A-3B	USN
Skywarrior	A-3A	USN
Skywarrior	KA-3B	Navy
Skywarrior	EKA-3B	Navy
Skywarrior	NA-3B	Navy
Skywarrior	ERA-3B	Navy
Skywarrior	UA-3B	Navy
Skywarrior	TA-3B	Navy
Skywarrior	NRA-3B	Navy
Smokey Sam	DGTR-18	Navy
Sparrow	AIM-7F	AF/Navy
Sparrow	AIM-7R	Navy
Sparrow	RIM-7P	Navy
Sparrow	AIM-7P	Navy
Sparrow	CAEM-7E	AF/Navy
Sparrow	ATM-7E	AF/Navy
Sparrow	CATM-7E	AF/Navy
Sparrow	CATM-7F	AF/Navy
Sparrow	CAEM-7F	AF/Navy
Sparrow	ATM-7M	AF/Navy
Sparrow	AIM-7N	Navy
Sparrow	DATM-7E	Navy
Sparrow	CATM-7	AF/Navy
Sparrow	ATM-7F	AF/Navy
Sparrow	AIM-7M	AF/Navy
Sparrow	CAEM-7	AF/Navy
Sparrow	DATM-7F	AF/Navy
Sparrow	RIM-7R	Navy
Sparrow	DATM-7M	AF/Navy
Spectre	AC-130A	AF
Spectre	AC-130H	AF
Spirit	B-2A	AF
Spooky	AC-130U	AF
SRAM	AGM-69B	AF
SRAM	AGM-69A	AF
Standard	RIM-67D	Navy
Standard	RIM-66G	Navy
Standard	RIM-66C	Navy
Standard	RIM-66J	Navy
Standard	RIM-66B	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Standard	RIM-67C	Navy
Standard	RGM-66D	Navy
Standard	RTM-66D	Navy
Standard	RGM-66E	Navy
Standard	RIM-66E	Navy
Standard	RIM-66H	Navy
Standard	RIM-66K	Navy
Standard	RIM-66L	Navy
Standard	RIM-67B	Navy
Standard	YRQM-67	Navy
Standard	YRIM-67	Navy
Standard	RIM-66M	Navy
Standard	YRIM-66	Navy
Standard Arm	ATM-78A	Navy
Standard Arm	AGM-78D	AF/Navy
Standard Arm	AGM-78A	Navy
Standard Arm	AGM-78B	Navy
Standard Arm	ATM-78B	Navy
Standard Arm	AGM-78C	AF/Navy
Standard Arm	ATM-78D	Navy
Standard Arm	ATM-78C	AF/Navy
Starlifter	NC-141A	AF
Starlifter	C-141C	AF
Starlifter	C-141B	AF
Stinger	FIM-92E	Army
Stinger	FIM-92D	Army
Stinger	FIM-92C	Army
Stinger	FIM-92F	Army
Stinger	XFIM-92B	Army
Stinger	FIM-92A	Army
Stinger	FIM-92G	Army
Stratofortress	B-52H	AF
Stratofortress	NB-52B	AF
Stratojet	EB-47E	Navy
Stratojet	NB-47E	Navy
Stratolifter	C-135F	French AF
Stratolifter	C-135B	AF
Stratolifter	TC-135W	AF

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Stratolifter	TC-135S	AF
Stratolifter	C-135E	AF
Stratolifter	C-135C	AF
Stratoliner	C-137B	AF
Stratoliner	C-137C	AF
Stratotanker	KC-135A	AF
Stratotanker	KC-135R	AF
Stratotanker	KC-135E	AF
Stratotanker	KC-135T	AF
Stratotanker	NKC-135	AF
Stratotanker	NKC-135	AF
Stratotanker	KC-135D	AF
Streaker	MQM-107	Army
Streaker	MQM-107	AF
Streaker	MQM-107	AF
Streaker	MQM-107	AF/Army
Streaker	MQM-107	AF/Army
Strike Eagle	F-15E	AF
SUBROC	UUM-44A	Navy
Super Stallion	YCH-53E	Navy
Super Stallion	JCH-53E	Navy
Super Stallion	CH-53E	Navy
Taios	RIM-8H	Navy
Taios	RGM-8H	Navy
Talon	T-38A	AF/Navy/GAF
Talon	AT-38B	AF
Talon	T-38C	AF/Navy/GAF
Talon	T-38N	NASA
Talon	QT-38A	Navy/AF
Tartar	RIM-24A	Navy
Tartar	RIM-24B	Navy
Tartar	RIM-24C	Navy
TBD	X-32A	DARPA
TBD	MS-1A	AF
TBD	YPQM-15	Army/Navy
TBD	YPQM-14	Army/Navy
TBD	X-35C	JAST
TBD	X-35A	JAST
TBD	X-35B	JAST

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
TBD	X-32B	DARPA
TBD	YAL-1A	AF
Terrier	RIM-2A	Navy
Terrier	RIM-2F	Navy
Terrier	RIM-2E	Navy
Terrier	RIM-2D	Navy
Terrier	RIM-2C	Navy
Terrier	RIM-2B	Navy
Texan II	T-6A	AF/Navy
The Legacy	C-32A	AF
Thunderbolt II	A-10A	AF
Tiger II	F-5F	FMS
Tiger II	F-5E	FMS
Tiger II	RF-5E	FMS
Titan II	LGM-25C	AF
Titan II	SB-4A	AF
Titan IV	SB-5A	AF
Tomahawk	UGM-109	Navy
Tomahawk	BGM-109	Navy
Tomahawk	BGM-109	AF
Tomahawk	RGM-109	Navy
Tomahawk	AGM-109	AF
Tomahawk	RGM-109	Navy
Tomahawk	UGM-109	Navy
Tomahawk	AGM-109	AF
Tomahawk	AGM-109	Navy
Tomahawk	BGM-109	Navy
Tomcat	F-14B	Navy
Tomcat	NF-14A	Navy
Tomcat	F-14C	Navy
Tomcat	NF-14D	Navy
Tomcat	NF-14B	Navy
Tomcat	F-14A	Navy
TOW	BGM-71D	Army
TOW	BGM-71H	Army
TOW	BGM-71G	Army
TOW	BGM-71E	Army
TOW	BGM-71C	Army
TOW	BTM-71B	Army
TOW	BGM-71B	Army

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
TOW	BTM-71A	Army
TOW	BGM-71A	Army
TOW	BGM-71F	Army
Tracer	E-1B	Navy
Tracker	ES-2D	Navy
Tracker	S-2D	Navy
Tracker	S-2E	Navy
Tracker	US-2C	Navy
Tracker	US-2B	Navy
Tracker	US-2A	Navy
Tracker	TS-2A	Navy
Tracker	YS-2G	Navy
Tracker	US-2D	Navy
Tracker	S-2G	Navy
Trader	C-1A	Navy
Trident	UGM-96A	Navy
Trident II	UGM-133	Navy
Trojan	T-28B	Navy
Trojan	T-28C	Navy
Tweet	T-37B	AF/GAF
Twin Otter	UV-18A	Army
Twin Otter	UV-18B	AF
Typhon (MR)	RIM-55A	Navy
US Roaland	XMIM-11	Army
UTE	RU-21H	Army
UTE	RU-21E	Army
UTE	RU-21D	Army
UTE	U-21A	Army
UTE	RU-21B	Army
UTE	RU-21A	Army
UTE	U-21F	Army
UTE	RU-21C	Army
UTE	U-21J	Army
UTE	RU-21J	Army
UTE	U-21G	Army
Venom	UH-1Y	Navy
Vigilante	RA-5C	Navy
Viking	KS-3A	Navy
Viking	NS-3A	Navy

ALPHABETICAL LISTING OF APPROVED POPULAR NAMES--Continued

<u>POPULAR NAME</u>	<u>MODEL DESIGNATION</u>	<u>DEPARTMENT</u>
Viking	US-3A	Navy
Viking	S-3B	Navy
Viking	S-3A	Navy
Viper	XFGR-17	Army
Viper	AH-1Z	Navy
Warning Star	NC-121K	Navy
Warning Star	EC-121K	Navy
Weapon Alpha	RUR-4A	Navy
Zap	XAGR-14	Navy

AP4. APPENDIX 4MISSION DESIGN SERIES (MDS) DESIGNATORS APPROVED SINCE LAST PUBLICATION

AGM-114M	AGM-142F	AGM-114N
AGM-154D	AGM-142G	AGM-130D
AGM-158B	AGM-142H	AGM-154E
AGM-65K	BGM-71H	AGM-158B
AGM-86D	C-12U	AGM-88D
AIM-132A	CATM-65K	AGM-88E
ATM-142E	C-130J	ATM-114B
C-12T	F-35A	BQM-167A
C-40A	F-35B	C-23C
C-40B	F-35C	C-32B
C-40C	GQM-163A	C-5M
C-41A	HH-60M	CQ-10A
CATM-142D	MGM-140E	DMGM-140F
CATM-142E	MGM-164A	E-10A
CATM-9X	MH-60R	EUH-60L
DATM-142D	MH-60S	FA-22A
DATM-142E	MH-68A	FB-22A
DATM-158A	MQ-1B	FIM-92G
DATM-86C	MQ-9A	FIM-92H
DATM-9X	NATM-9X	HH-60L
FGM-148C	NSH-60R	KC-767A
FIM-92F	RGM-165A	MD-1A
HH-65B	RIM-156B	MD-1B
HH-65C	RIM-162B	MGM-140F
MGM-140D	RIM-162C	MGM-165A
MH-53M	RIM-162D	MGM-166A
MS-1A	RQ-8A	MIM-104E
NC-135W	RTM-139C	NAH-1Z
RQ-1B	RUM-139C	RD-2A
RQ-2B	TC-130H	RD-2B
RQ-5A	TG-10B	RQ-4B
RQ-7A	TG-10C	T-48A
RTM-139B	TG-14A	TG-10D
RUM-139B	UC-35D	X-45A
TG-12A	X-46A	X-45B
UC-35C	X-47A	X-45C
UC-35D	X-47B	X-49A

MISSION DESIGN SERIES (MDS) DESIGNATORS APPROVED SINCE LAST PUBLICATION--Continued

WC-135C	X-48A	YMH-60R
X-40B	X-50A	YMQ-9A
X-44A	ZADM-160B	

AP5. APPENDIX 5

MISSION DESIGN SERIES (MDS) DESIGNATORS REMOVED FROM DODD 4120.15-L AND PLACED
ON RETIRED LIST SINCE LAST PUBLICATION

RQ-3A