

USAF Equipment Directory
and
US Services Military Aircraft
1945 to the present

Aerostats, Airships, Blimps

History & Developments:

USN ZPG-2W/-3W programmes of the mid 1950s

Last flight of a Navy's airship was made by ZPG-2 at Lakehurst on 31 August 1962

Airships and Blimps:

	K-Ship	ZP2K	USN ASW airship	1940s
	K-Ship	ZP3K	USN ASW airship	1940s
	K-Ship	ZP4K	USN ASW airship	1940s
	K-Ship	ZP5K	USN ASW airship	18 in 1940s
		ZPN-1	USN patrol airship	1952
		ZPG-2	USN patrol airship	12
		ZPG-2W	USN AEW airship	
		ZPG-3W	USN AEW airship, largest blimp ever	
		Strato-Lab I	US high-altitude research balloon	1950s
		Strato-Lab II	US high-altitude research balloon	1950s
		Strato-Lab III	US high-altitude research balloon, 82,000 ft	1958
		Strato-Lab IV	US high-altitude research balloon	1950s
		Strato-Lab V	US high-altitude research balloon 113,740 ft	1961
	SKS-500		USN, USCG surveillance platform	
Westinghouse Airship Industries WAI	YEZ-2A	Sentinel	USN, DARPA Early warning airship	proposal, late 1980s
WAI		Sentinel 1000	USN Early warning airship based on YEZ-2A design	First flight 1991, 1 prototype
WAI		Sentinel 2000	USN giant Early warning airship based on YEZ-2A design	cancelled
WAI	YEZ-2A	Sentinel 5000	USN giant Early warning airship based on YEZ-2A design	1994, cancelled
Hughes Raytheon, Lockheed Martin, Northrop Grumman		JLENS	USA, Joint LACMD Elevated Netted Sensor System, LACMD – Land Attack Cruise Missile Defense	1996
Lockheed Martin		56K	Tethered Aerostat	
Lockheed Martin	TARS	275K	USAF Tethered Aerostat Radar System with L88(V)3 surveillance radar	
Lockheed Martin	TARS Class IV	420K	USAF Tethered Aerostat Radar System with L88(V)3 surveillance radar	6 in 2000
Lockheed Martin		595K	Tethered Aerostat	
TCOM		LASS	USAF, USCG airship for smuggling control	16 in 2000, 36 total
TCOM		15M	Tethered Aerostat	
TCOM		17M	Tethered Aerostat, trailer-mounted	+17 in 2005
TCOM		32M	Tethered Aerostat	
TCOM		38M	Tethered Aerostat	
TCOM		71M	Tethered Aerostat	1980s
TCOM		365	Tethered Aerostat	
TCOM	LASS	365H	High altitude radar platform	
Lockheed Martin		Aerocraft	Hybrid airship	1999
Lockheed Martin		Superblimp	USAF giant transport airship	Development 2000
SkyCat Technologies Inc. (STI)		SkyCat 20	Non-rigi hybrid air vehicle with payload of 20 tons, prototype for YEZ-2A	Proposal 2001
SkyCat Technologies Inc. (STI)		SkyCat 200	Non-rigi hybrid air vehicle with payload of 200 tons	Proposal 2001
SkyCat Technologies Inc. (STI)		SkyCat 1000	Non-rigi hybrid air vehicle with payload of 1000 tons	Proposal 2001
SkyCat Technologies Inc. (STI)		SkyKitten	Demonstrator vehicle for SkyCat	
		HAA	USA, High Altitude Airship program	2001
US Missile Defence Agency			Airships positioned in stratosphere as BMD assets	2002

Boeing		OSP	NASA Orbital Space Plane	2003 contract
Lockheed Martin, Aeros, DARPA		Walrus Aeroscraft	Buoyant vehicle for transport of heavy loads	2005
Lockheed Martin		Walrus	Large transport based on LM P791 design, DARPA	2006
American Blimp Corp.	MZ-3A		The USN only manned airship, based on Spector 50 (A-170 Lightship) blimp design	2006; 1 in 2012 (USN)
	LEMV		US Army Long Endurance Multi-Intelligence Vehicle	First Flight 2012

Further Literature:

IDR	6/2005	page 12	Advanced Airship Flying Laboratory
IDR	8/2005	page 23	TCOM 17M for Iraq
IDR	10/2005	page 48	Aerocraft, SkyCat, YEZ-2A
IDR	3/2006	page 23	P791
IDR	3/2006	page 55	LM HAA

Proceedings	5/2012	page 77	MZ-3A
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