

**TABLE 2.9
OPERATIONAL OFFENSIVE NUCLEAR DELIVERY SYSTEMS**

NAME/ DESIGNATION	AKA	WARHEAD TYPE	NUMBER OF WARHEADS	RANGE (km)	NUMBER OF SYSTEMS Active+spares
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LAND BALLISTIC MISSILES

United States-----

ICBM					
LGM-30G	Minuteman III			13,000	
	MK-12	Single	1		150
	MK-12	MIRV	3		50
	MK-12A	MIRV	3		300
LGM-118	MX/ Peacekeeper	MIRV	10	9,600	0
Actual warhead load			1,050 06(BULL)		

Russia-----

ICBM					
SS-18	Satan	MIRV	10	15,000	85
SS-19	Stiletto	MIRV	6	10,000	129
SS-24	Scalpel	MIRV	10	10,000	0
SS-25	Sickle	Single	1	10,000	291
SS-27	Topol-M	Single	1	10,500	44
SS-27M		Single	1	10,500	0
Actual warhead load			1,959 06(BULL)		

China-----

ICBM					
CSS-4	DF-5A	MIRV	4-6	13,000	20
CSS-9	DF-31	MIRV	3-5	8,000	0
Actual warhead load			20 06(BULL)		

IRBM					
CSS-2	DF-3A	Single	1	2,800	16
CSS-3	DF-4	Single	1	4,750	22
CSS-5	DF-21	Single	1	2,150	35
Actual			73		

warhead load			06(BULL)		
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SSM					
CSS-6	DF-15/M-9	Single	1	600	24
CSS-7	DF-11/M-11	Single	1	300	32
CSS-8	DF-7	Single	1	150	30
Actual warhead load			? 04(IISS)		

India-----

SSM					
Agni I		Single	1	700+	0
Agni II		Single	1	2,000+	0
Prithvi		Single	1	150	<50
Actual warhead load			<20 06(BULL)		

Pakistan-----

SSM					
	Haft 3	Single	1		<50
	Haft 4	Single	1		<50
Ghauri 1	Haft 5	Single	1	1,500	<50
Ghauri 2		Single	1	2,300	0
Actual warhead load			~25 06(BULL)		

Israel-----

SSM					
Jericho 1		Single	1	500	0
Jericho 2		Single	1	2,000	50
Actual warhead load			~50 06(BULL)		

SLBM

United States-----

UGM-96	Trident I C-4	MIRV	6	7,400	0
UGM-133	Trident II D-5	MIRV	8	12,000	336
Actual warhead load			2,016 06(BULL)		

United Kingdom-----

UGM-135	Trident II D-5	MIRV	8	12,000	50
Actual warhead load			<144 06(BULL)		

Russia-----

SS-N-8	Sawfly	Single	1	9,100	0
SS-N-18	Stingray	MIRV	3	6,500	96
SS-N-20	Sturgeon	MIRV	10	8,300	0
SS-N-23	Skiff	MIRV	4	8,300	96
SS-N-30					0
Actual warhead load			672 06(BULL)		

France-----

M-4		MIRV	6	4,000	0
M-45		MIRV	6	4,000	48
M-51					0
Actual warhead load			288 06(BULL)		

China-----

CSS-N-3	JL-1	Single	1	2,150	12
Actual warhead load			12 06(BULL)		

India-----

Dhanush		Single	1	350	0
Actual warhead load			0 06(BULL)		

AIRCRAFT

United States-----

Strategic					
B-52H	Stratofortress			16,000	94+56
B-1B		Bomb			65
B-2A	Spirit	Bomb		12,200	21+16
Actual warhead load			~1,955 06(BULL)		

Sub-strategic					
B61		Bomb	3-4		100
F-15E	Strike Eagle	Bomb	1	2,500	216
F-16A/B/C/D	Fighting Falcon	Bomb	1	2,500	1,739
F-117A	Nighthawk	Bomb	1	2,100	52
Actual warhead load			400 06(BULL)		

Russia-----

Strategic					
Tu-95 MS6	Bear	ALCM/Bomb	6/1	12,000	32
Tu-95 MS16	Bear	ALCM/Bomb	16/1	12,000	32
Tu-160	Blackjack	ALCM/Bomb	12/1	4,000	14
Tu-22M-3	Backfire	ASM		4,800	
Actual warhead load			872 06(BULL)		

Sub-strategic					
Su-24M	Fencer	Bomb	1	2,100	~ 490
Actual warhead load			~ 490 06(BULL)		

France-----

Strategic					
Mirage 2000N		ALCM	1	1,200	60
Rafale		ALCM	1	1,200	
Actual warhead load			60 06(BULL)		

Sub-strategic					
Super Etendard		ALCM	1	650	10
Actual warhead load			10 06(BULL)		

China-----

Strategic					
H-6	Tu-16	Bomb	1	5,000	100
Actual warhead load			~ 40 06(BULL)		

Sub-strategic					
Q-5	MiG-19	Bomb	1	400	
Actual warhead load			0 06(BULL)		

Israel-----

Sub-strategic					
F-4E-2000	Kumass	Bomb	1	2,200	
F-16A/B/C/D	Fighting Falcon	Bomb	1	2,500	
F-15I	Thunder	Bomb	1	2,500	

Actual warhead load			~ 50 06(BULL)		
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India-----

Sub-strategic					
Jaguar S(I)	Shamsher	Bomb	1	1,600	131
MiG-27M	Bahadur	Bomb	1	1,000	
Mirage 2000H	Vajra	Bomb	1	1,200	40
Actual warhead load			~ 20 06(BULL)		

Pakistan-----

Sub-strategic					
F-16A/B	Fighting Falcon	Bomb/Babur LACM	1	2,500	
Mirage 2000-5		Bomb	1	1,200	
Q-5	MiG-19	Bomb	1	1,200	
Actual warhead load			~ 25 06(BULL)		

North Korea-----

Sub-strategic					
H-5	Il-28	Bomb	1	2,100	
Actual warhead load			? 06(BULL)		

SLCM

United States-----

Tomahawk	TLAM-N	Single	1	2,500	100
Actual warhead load			100 06(BULL)		

Russia-----

SS-N-9	Siren	Single	1	110	
SS-N-12	Sandbox	Single	1	550	
SS-N-19	Shipwreck	Single	1	550	
SS-N-21	Sampson	Single	1	2,400	
SS-N-22	Sunburn	Single	1	120	
Actual warhead load			240 04(IISS)		

Israel-----

Turbo-Papeye		Single	1	1,500	10
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Actual warhead load			Some 04(IISS)		

ALCM

United States-----

AGM-868		Single	1	2,500	
AGM-129		Single	1	3,500	
Actual warhead load			900 04(BULL)		

Russia-----

AS-4	Kh-22 Kitchen	Single	1	310	
AS-15A	Kh-55 Kent	Single	1	2,500	
AS-15B	Kh-55SM Kent	Single	1	3,000	
As-16	Kh-15 Kickback	Single	1	150	
Actual warhead load			872 04(BULL)		

France-----

ASMP		Single	1	250	
Actual warhead load			50 04(IISS)		

NOTE: Includes systems with dedicated crews and targeting mechanisms in place. Excludes strategic defense forces. Missile range varies with payload-to-fuel ratio and firing direction. Aircraft range can be extended with in-flight fuelling.

- ACM advanced cruise missile
- AKA also known as
- ALCM air-launched cruise missile
- ASM air-to-surface missile
- MIRV multiple independently targetable re-entry vehicles
- ICBM intercontinental ballistic missile
- IRBM intermediate-range ballistic missile
- SLBM submarine-launched ballistic missile
- SLCM submarine-launched cruise missile
- SSM surface-to-surface missile
- LACM land-attack cruise missile

SOURCES: 06(BULL), 04(BULL), 04(IISS)

TABLE 2.10
OPERATIONAL NUCLEAR WARHEADS
STRATEGIC, 06(BULL)

OBS	COUNTRY	ICBM	IRBM	SLBM	ALCM/BOMBS	TOTAL
1	U.S.	1,050		2,016	1,955	5,021
2	Russia	1,959		672	872	3,503
3	France			288	60	348
4	China	20	73	12	~ 40	145
5	U.K.			144		144
6	Israel					
7	India					
8	Pakistan					
9	N. Korea					

SUB-STRATEGIC, 06(BULL)

OBS	COUNTRY	SSM	SLCM	AIR DEFENSE	AIRCAFT	TOTAL
1	Russia	900	240	700	490	2,330
2	U.S.		100		400	500
3	Israel	50+	Some		50+	100+
4	China	73			?	73+
5	Pakistan	25+			25+	50+
6	India	20+			20+	40+
7	France				10	10
8	N. Korea				<10	<10
9	U.K.					

TOTAL STRATEGIC AND SUB-STRATEGIC

OBS	COUNTRY	STOCKPILE 06(BULL)	DELIVERABLE 06(BULL)	DELIVERABLE 06(IISS)
1	Russia	16,000	5,830	
2	U.S.	9,962	5,735	
3	France	348+	348+	
4	U.K.	200+	<200	
5	China	~200	~145	
6	Israel	~100	~100	~200
7	Pakistan		<60	
8	India		<50	
9	N. Korea		<10	

ALCM air-launched cruise missile

ICBM intercontinental ballistic missile
IRBM intermediate-range ballistic missile
SLBM submarine-launched ballistic missile
SLCM sea-launched cruise missile
SSM surface-to-surface missile

SOURCES: 06(BULL), 04(BULL), 04(IISS)

TABLE 2.11
STATES POSSESSING, PURSUING OR CAPABLE OF ACQUIRING
WEAPONS OF MASS DESTRUCTION
2006

STATE	NUCLEAR ENERGYWEAPONS	NUCLEAR WEAPONS	CHEMICAL WEAPONS	BIOLOGICAL TECHNOLOGY	MISSILE
Algeria			Pursuing		
Argentina	Possessing	Capable			Pursuing
Armenia	Possessing				
Australia		Capable	Capable	Capable	Capable
Belarus		Capable			
Belgium	Possessing				
Brazil	Possessing	Capable			Possessing
Bulgaria	Possessing			Capable	
Canada	Possessing				
Chile			Capable		
China	Possessing	Possessing	Possessing	Possessing	Possessing
Cuba				Capable	
Czechia	Possessing				
Ethiopia			Pursuing		
Egypt			Possessing	Possessing	Pursuing
Finland	Possessing				
France	Possessing	Possessing	Possessing	Capable	Possessing
Germany	Possessing	Capable	Capable	Capable	Capable
Hungary	Possessing				
India	Possessing	Possessing	Possessing	Possessing	Possessing
Indonesia			Pursuing		
Iran		Pursuing	Possessing	Possessing	Possessing
Israel		Possessing	Possessing	Possessing	Possessing
Japan	Possessing	Capable	Capable	Capable	Possessing
Kazakhstan		Capable			
Laos			Pursuing	Pursuing	
Libya			Pursuing	Pursuing	Pursuing
Lithuania	Possessing				
Mexico	Possessing				
Myanmar			Pursuing		
Netherlands	Possessing				
North Korea	Possessing	Possessing	Possessing	Possessing	Possessing
Pakistan	Possessing	Possessing	Possessing	Possessing	Possessing
Romania	Possessing			Capable	
Russia	Possessing	Possessing	Possessing	Possessing	Possessing
Saudi Arabia		Pursuing	Pursuing	Pursuing	Pursuing
Serbia		Pursuing	Capable		
Slovakia	Possessing				
Slovenia	Possessing				
South Africa	Possessing	Capable	Capable	Capable	Capable
South Korea	Possessing		Capable	Capable	Capable
Spain	Possessing				
Sudan			Pursuing		
Sweden	Possessing				
Switzerland	Possessing				

Syria		Pursuing	Pursuing	Pursuing	
Taiwan	Possessing	Possessing	Possessing	Possessing	
Thailand		Pursuing			
Ukraine	Possessing	Capable			
Vietnam		Pursuing	Pursuing		
United Kingdom	Possessing	Possessing	Capable	Capable	Possessing
United States	Possessing	Possessing	Possessing	Possessing	Possessing

SOURCES: 06 (EST), 00 (BULL), 02 (E), 06 (CIA)