6. ISRAEL

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Major Changes

- Five batteries of the Iron Dome anti rocket system entered operational service and already displayed excellent performance during "Pillar of Defense" in November 2012.
- The Israeli Air force began recieving its new C-130J (Shimshon) transport air craft as well as its new M-346 (Lavi)
- Entering a period of financial difficulties the IDF is undergoing some major organizational changes that included the closing of several units including armored brigades and air force squadrons.

General Data

Official Name of the State: State of Israel

Head of State: President Shimon Peres
Prime Minister: Benjamin Netanyahu
Minister of Defense: Moshe Yaalon
Chief of General Staff: Lieutenant General Benny Gantz
Commander of Army HQ: Major General Guy Tzur
Commander of the Air Force: Major General Amir Eshel
Commander of the Navy: Rear Admiral Ram Rothberg

Foreign Military Cooperation

Type	Details
Foreign forces	USA (45), pre-positioning of $800 million worth of stockpiled US military equipment, TPY-2 AMD radar
Joint maneuvers	Bulgaria (2013), Greece (2013), Italy (2013), Poland (2012), Romania (2011), Turkey (2009), US (2013) , US (2014)
Security cooperation accords	Canada (2011), Greece (2011), Poland (2011), Russia (2010), US

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
China	• Arms transfers	Gunpowder (2012)
Germany	• Arms transfers	Dolphin submarines (2014), MAKO A-100 corvettes (2009 – postponed), TEP 90 decontamination vehicles (2012)
	• Assistance	Partial funding for submarines constructed in Germany (2012)
Italy	• Arms transfers	SAR radars for UAVs (2011), M-346 trainer aircraft (2012)
US	• Arms transfers	AH-64D Longbow helicopters (2012), upgrade to Patriot PAC-3 SAMs (2011), GBU-28 bombs (2009), David LAVs (2009), D-9 (2010), C-130J aircraft (2013), T-6 Texan aircraft (2009), GBU-39 bombs (2010) TPQ-48 radar (2009), F-35 JSF (2010), GBU-54 LJDAM (2010), AT-802 firefighter aircraft (2011), V-22 Osprey (2013), KC-135 tanker (2013), JDAM bombs (2012), GBU-39 SDBs (2012)
	• Assistance	$3.1 billion annual military aid in FY2013 (2012); additional special military aid to BMD projects ($236m in FY2012, $480 in

Country	Type	Details
		FY2013)
	• Cooperation in arms production	Namer IFVs (2013), David Sling ABM (2011), Arrow-3 ABM (2011)
	• Facilities	Upgrade of Naval and AF bases by USACE (2012), $1.2 billion in War reserve stockpiles (2012)
	• Military training	Trainees in the USA

* According to foreign publications.

Arms Sales and Security Assistance Extended

Country	Type	Details
Afghanistan*	• Arms transfers	Sufa RVs (2009)
Angola*	• Arms transfers	155mm ATMOS guns (2011), Heron UAVs (2011)
Australia	• Arms transfers	Heron UAV (2009), Armor for APCs (2009), C4ISR system (2010), Battle Management Systems for amphibious vessels (2012)
Austrian	• Arms transfers	RCWS (2009)
Azerbaijan**	• Arms transfers	Hermes-450 UAVs (2009), Upgrading of T-72 BMTs (2011), 120mm Cardom mortars (2011), Heron (2012), EL-2080 'Green Pine' radars (2012), Barak SAMs (2012)
	• Cooperation in arms production	Aerostar, Orbiter UAVs (2011)
Belgium	• Arms transfers	Spike ATGMs (2013)
Brazil *	• Arms transfers	Avionics for F-5M, AMX aircraft (2012), REMAX/ UT30 RCWS (2012), Heron UAVs (2010), Hermes 450 UAVs (2013), upgrade of HB-350 helicopters (2011), upgrading of M113 APCs (2011), DIRCM and SPS for KC-390 (2011), B767 MRTT aircraft (2013), Border surveillance sensors (2013)
Bulgaria	• Arms transfers	Sandcat LAVs (2009)
Canada	• Arms transfers	ECM for Frigates (2009), UAVs (2013)
China	• Military training	Training of Armed Police forces (2012)
Chile	• Arms transfers	Aerostar UAVs (2010), Hermes 900 UAVs (2012), Spylite UAVs (2013)
Colombia***	• Arms transfers	Upgrading Kfir aircraft (2010), AH-60 Arpia helicopters (2009), B-767 MRTT aircraft (2010), EL-2032, EL-2022 radars (2011), Derby AAMs (2011), Hermes 900 (2012), Hermes 450 (2012), Flight training center (2012)

Country	Type	Details
Denmark	• Arms transfers	120mm Cardom mortars (2010)
Dominican Republic	• Arms transfers	3D AD radars (2010)
Ecuador	• Arms transfers	Heron UAVs (2008), Searcher-2 UAVs (2008), EL/M-2022 MP radars (2008)
Ethiopia	• Arms transfers	Skylite UAVs (2011)
Equatorial Guinea	• Arms transfers	OPV (2011)
France	• Arms transfers	Skylark UAVs (2010), add-on armor for APCs (2012)
	• Cooperation in arms production	Harfeng/ Heron/ Heron TP UAVs (2011), VENuS satellite (2012)
Finland	• Arms transfers	Orbiter-2 UAVs (2012)
Germany	• Arms transfers	Heron UAVs (2010), Recclite reconnaissance pods (2009), Heron-TP UAVs (2013), EL/M-2222S Naval Self Protection System (2014)
	• Cooperation in arms production	Spike ATGMs (2009), Harop ALCM (2011), Pilum AGM (2011)
Georgia	• Arms transfers	Spyder SAMs (2009)
Greece	• Arms transfers	Spice guided-bombs (2011)
India*	• Arms transfers	Litening targeting pods (2010), Phalcon AEW aircraft (2012), Derby AAMs (2011), Spyder SAMs (2010), AEW aerostats (2010), RISAT sattelites (2009), Avionics for An-32 (2009), Harop ALCM (2010), Crystal Maze AGMs (2010), EL-2083 APR radar (2010), EL-2248 MF-STAR radars (2010), EL-2032 radars for Teja LCAs (2012), Spike ATGMs (2013), NGPGM (2012).Barak SAMs (2014).
	• Cooperation in arms production	Barak-NG, MRSAM SAMs (2012), G150 aircraft (2009), Chetak/ Dhruv NRUAV (2011), Aerostar UAV (2010), POP EO systems (2010), APS system for submarines (2012), upgrading Heron/ Searcher UAVs (2012), Compass payloads (2013)
Italy	• Arms transfers	Spike ATGMs (2009), Recclite reconnaissance pods (2010), Music DIRCM for transport aircraft (2011), G550 AEW (2012), OPTSAT satellite (2012)
	• Cooperation in arms production	multi-spectral satellites (2010)
Kazakhstarn	• Cooperation in arms production	Nazia MRL (2010)

Country	Type	Details
Mexico	• Arms transfers	Hermes 450 UAVs (2010), Skylark UAVs (2010), Orbiter UAVs (2009), Skystar aerostats (2009), Hermes 900 (2012)
Macedonia	• Military training	Training school for helicopter pilots (2011)
Netherlands	• Arms transfers	Aerostar UAVs (2010), Recclite reconnaissance pods (2010)
Nigeria	• Arms transfers	Shaldag PBs (2012)
Paraguay	• Arms transfers	EL-2106NG AD radars (2011)
Peru	• Arms transfers	Spike ATGMs (2010), G-550 AEW aircraft (2011), Mini Falcon UAVs (2011), Spyder SAMs (2012)
Poland	• Arms transfers	Orbiter UAVs (2009), Aerostar UAV (cancelled - 2012), Surveillance payload for Rosomak APCs (2010)
	• Cooperation in arms production	Upgrading Boeing 767 aircraft (2009)
Romania	• Arms transfers	Upgrading of C-130 aircraft (2011)
Russia	• Cooperation in arms production	I-view, Searcher-2 UAV's (2010)
Singapore*	• Arms transfers	G550 CAEW aircraft (2009), Spyder SAM (2010), Barak SAMs (2011), Heron UAVs (2012)
South Africa	• Arms transfers	Litening targeting pods (2010)
South Korea*	• Arms transfers	Helmet Mounted Cueing-system and Avionics for helicopters (2009), EL-2032 radars for FA-50 aircraft (2012), ECM/ EW for aircraft (2011), EL-2080 'Green Pine' radars (2009), Spike ATGMs (2013), upgrading C-130 aircraft (2012)
Spain	• Arms transfers	Spike ATGMs (2009), Litening targeting pods (2010), Cardom SP mortars (2012)
	• Cooperation in arms production	Orbiter UAVs (2011)
Sri Lanka	• Arms transfers	Super Dvora PBs (2009)
Sweden	• Arms transfers	PAWS-2 (passive airborne warning system) for the Gripen fighter (2014)
Switzerland	• Arms transfers	UAVs (2012)
Turkey	• Cooperation in arms production	Heron UAVs (2010), IMINT pods (Cancelled - 2011)
Uganda	• Arms transfers	Falcon Eye UAVs (2009), 155mm ATMOS gun (2011)
US	• Arms transfers and cooperation in arms	*Air Force equipment*: Helmet Mounted Cueing-system (2010), AH-60 Battle-hawk (2009), HUD displays (2010), upgrading AH-

Country	Type	Details
	production	1Ws targeting systems (2010) *Ground Forces equipment:* Typhoon and 120mm Cardom mortars (2010), Mortar FCS (2010), FMAB (2010), reactive armor for Bradley IFVs (2010), Skystar-180 aerostat (2011), GATR guided rockets (2013) *Naval equipment*: installing Spike missiles on USVs (2012)

* According to foreign publications.
** According to Azeri publications.
*** According to Colombian publications.

Defense Production

	M	P	A
Ground Forces equipment			
THEL system	✓		
Merkava MBTs	✓		
Self propelled and towed artillery guns	✓		
120mm Cardom, Hanit SP mortars	✓		
LORA, EXTRA, Magic Spear Heavy artillery rockets	✓		
Several types of ACVs (some based on old tank hulls)	✓		
David, Sandcat, Sufa Light armored vehicles	✓	✓	
Granite, Legatus, Raccoon, Spider reconnaissance vehicles	✓		
NBC reconnaissance and decontamination vehicles	✓		
Avantguard, Guardium, Nahshon UGVs	✓		
Tank guns	✓		
Spike (SR, MR, ER, NLOS) and Lahat ATGMs	✓		
B-300, LAW-4/6/9, Matador ATRLs	✓		
Overhead weapon systems for IFVs (RCWS)	✓		
Carpet mine-clearing system	✓		
Tread-width mine plows for tanks (TWMP)	✓		
Tank-towed bridges (TAB)	✓		
Upgrading of M60 tanks	✓		
Mines	✓		
Small arms	✓		
Simulators	✓		
Fire ball, Dagger, Rakefet guided mortar Shells	✓		
Morty guided mortar shell			
GPS-guided MRLs	✓		
Artillery, mortar and small arms ammunition	✓		
Trophy, Iron Fist APS	✓		
Add on armor kits	✓		
Air force equipment			
Arrow , David Sling , and Iron Dome ABM systems	✓		
G150, G250 business jets		✓	

	M	P	A
Upgrading of combat aircraft	✓		
Upgrading of helicopters	✓		
C-295, Il-76, G550 AEW aircraft conversion	✓		
ADAMS, Barak-8, Defender, SPYDER, Red Sky AD system	✓		
Delilah, Harop, MSOV ALCMs	✓		
AAMs	✓		
AGMs	✓		
CBUs	✓		
Lizard, Opher, Pyramid, Spice TV and laser guided bombs	✓		
Star, Whipshot , Zuni Laser-guided rockets	✓		
ELINT, target designation and surveillance pods	✓		
Airmule, Flying Elephant resupply UAVs	✓		
UAVs and mini-UAVs , Butterfly	✓		
Harpy, Harop anti-radiation drones	✓		
Air-launched decoys	✓		
Operational flight trainer systems	✓		
Refueling system for aircraft	✓		
Helicopter parts		✓	
Flight simulators	✓		
Combat aircraft parts		✓	
Navy equipment			
LCTs	✓		
MFPBs	✓	✓	
PBs	✓		
Predetor, Sea Star, Silver Marine USVs	✓		
Ship-based Barak AD missiles	✓		
Torbuster APS for submarines	✓		
Torpedo components		✓	
Electronics			
Radars – early warning, missile detection, Ship born AD, ground surveillance, Naval surveillance, airborne SAR	✓		
Search and rescue system	✓		
ELINT equipment	✓		
Airborne ESM systems	✓		
EW jammers	✓		
Audio/video microwave transceivers	✓		
Radio voice scramblers and encryption units	✓		
Command and control system			
APC simulator	✓		
Optronics			
Long range observation systems	✓		
Night vision devices	✓		
Laser rangefinders and target designators	✓		
Space			
Shavit/Ofeq satellite launcher			

	M	P	A
Ofeq series imaging satellite	✓		
Amos/MILCOM communications satellite	✓		
EROS imaging satellite	✓		
TECHSAR radar imaging satellite			

Note: M - manufacture (indigenously developed)
P - production under license
A - assembly

Strategic Assets

NBC Capabilities

Nuclear capabilities

Two nuclear research reactors; alleged stockpile of nuclear weapons*. Nuclear-safety cooperation agreement with the USA. Not a party to the NPT.

Chemical weapons and protective equipment

Personal protective equipment; Unit decontamination equipment. Fuchs (Fox) NBC detection vehicles (8); SPW-40 P2Ch NBC detection vehicles (50); Girit decontamination vehicles; TEP 90 decontamination vehicles (8); AP-2C CW detectors. Signed but not yet ratified the CWC.

BW capabilities

Not a party to the BWC.

* According to foreign publications.

Ballistic Missiles

Model	Launchers	Missiles	Since	Notes
• MGM-52C (Lance)	12		1976	
• Jericho Mk 1/2/3 SSM *	+			Upgraded
• Black/ Blue Sparrow	+			Target decoy
Total	+			
Future procurement				
• LORA	+			Under negotiations

* According to foreign publications.

Space Assets

Model	Type	Notes
Satellites		
• Amos	Communication	Civilian, currently deployed Amos 2/3/5.
• Ofeq	Reconnaissance	Currently deployed Ofeq-5, Ofeq-7 and Ofeq-9
• Eros	Reconnaissance	Civilian derivate of Ofeq, currently

Model	Type	Notes
		Eros-1B
• TECHSAR	Reconnaissance	SAR imagery satellite, known as "Ofeq-8", 260kg, 550 km in orbit
• TechSat	Research	Civilian, "Ofeq-10"
Satellite launcher		
• Shavit	SLV	
Future procurement		
• Shalom	Remote sensing	Multi-spectral satellites, in cooperation with Italy.
• VENuS	Remote sensing	Civilian multi-spectral micro-satellite, developed in cooperation with France. To be launched in 2014.
• Nano-satellites	Reconnaissance	Optical satellites with 1.5m resolution
• Amos-4,6	Communication	Civilian-owned satellites. To be launched in 2013 and 2015. respectively
• MILCOM	Communication	

Command and Control Assets

Name	Description
Air defense	
NCCS	National early warning system, linking radars, aerostats and regional command centers.
Naval surveillance	
CSS	National system, linking regional command centers with a network of coastal radars and optical sensors.
Border security	
Sentry Tech/ See-Shoot	Linking regional command centers with ground surveillance radars, reconnaissance vehicles, and remotely-operated weapon stations.

Armed Forces

Order-of-Battle

Year	2010	2011	2012	2013	2014
General data					
• Personnel (regular)	176,500	176,500	176,500	176,500	176,500
• SSM launchers	+	+	+	+	+
Ground forces					
• Divisions	16	16	16	16	16

Year	2010	2011	2012	2013	2014
• Total number of brigades	79	79	79	79	79
• Tanks	3,120 (3,630)	2,940 (3,070)*	2,840 (3,070)	2,840 (3,070)	2,840 (3,070)
• APCs/AFVs	7,900 (8,400)	7,875*	7,850	7,850	7,850
• Artillery (including MRLs)	+	+	+	+	+
Air force					
• Combat aircraft	515 (874)	440 (614)*	446 (520)	446 (520)	446 (520)
• Transport aircraft	66 (77)	57 (60)*	57 (60)	57 (60)	58 (61)
• Helicopters	171 (201)	171 (201)	155 (182)*	154 (181)	154 (181)
Air defense forces					
• Heavy SAM batteries	19*	19	19	19	19
• Medium SAM batteries	1	4	5	5	5
• Light SAM launchers	70	70	70	70	70
Navy					
• Submarines	3	3	4	4	4
• Combat vessels	13	13	13	13	13
• Patrol craft	56	56	56	56	56

* Due to change in estimate.

Personnel

	Regular	Reserves	Total
• Ground Forces	133,000	380,000	513,000
• Air Force	34,000	55,000	89,000
• Navy	9,500	10,000	19,500
Total	**176,500**	**445,000**	**621,500**
Paramilitary			
• Border Police	7,650		7,650

Ground Forces

Formations

	Corps/HQ	Divisions	Independent brigades/groups	Brigades in divisions
All arms	3*			
Armored		12		2-3 armd., 1 mech., 1 aty. Each
Mechanized/ Infantry		4	5	
Territorial		4	12	
Airborne			4	
Total		**16**	**21**	

Anti-guerrilla HQ: 3 divisional HQ for control of units engaged in anti-guerrilla activities in Judea, Samaria and on the Gaza and Lebanese borders. In emergency, the HQ will be reinforced by armor, infantry, helicopters, engineering and anti-tank forces.
* According to foreign publications.

Tanks

Model	In stock	In service	Since	Notes
MBTs				
High quality				
• Merkava Mk 4	360	360	2003	Some with Trophy ADS installed
• Merkava Mk 3	780	780	1989	
Subtotal	1,140	1,140		
Medium and low quality				
• Merkava Mk 1/2	580	580	1979/1983	In operational storage
• M60 A3/upgraded M60/Magach 7	1,040	1,040	1980	
• Centurion/upgraded Centurion	350	120	1965	In operational storage
Subtotal	1,970	1,740		
Total	**3,070**	**2,840**		
Future procurement				
• Merkava Mk 4	300			Being delivered

Note: Old MBT chassis are being converted into AFVs.

APCs/AFVs

Model	In stock	In service	Since	Notes
• Achzarit	215	215	1994	
• Namer	130	130	2008	Being delivered
• M113 (various marks)	5,500	5,500		Some being upgraded
• Nagmashot*	}		1989	
• Nagmachon	}	400		
• Nakpadon	}			
Subtotal	6,245	6,245		
Light armored vehicles				
• Akrep	30	30	1998	
• Caracal/ Sandcat	70	70	2010	With Border Police
• M1114 up-armored HMMWV	+	+	2004	
• Ze'ev	300	300	2004	
• Sufa-2	700	700	2006	Armored version
• David	400	400	2008	Armored Defender-110
Subtotal	1,600	1,600		
UGVs				
• AvantGuard	+	+	2010	Under evaluation
• Guardium	+	+	2009	In Force Protection role
Total	**7,850**	**7,850**		
Future procurement				
• Namer				Total requirement up to 600

* According to foreign publications.

Artillery

Model	In stock	In service	Since	Notes
Self-propelled guns and howitzers				
• 203mm M110	36	36	1975	
• 175mm M107	140	70	1974	
• 155mm M109 variants	600	600		To be upgraded
• 155mm M-50/ 155mm L-33	120	120		
Subtotal	896	756		

Model	In stock	In service	Since	Notes
Towed guns and howitzers				
• 155mm M-71	+	+		
• 130mm M-46	+	+		
• 122mm D-30	+	+		
Subtotal	+	+		
Mortars, over 160mm				
• 160mm SP	+	+		Phased out
Mortars, under 160mm				
• 120mm Keshet/ Cardom SP	64	64	2006	
• 120mm	250	250		
Subtotal	314	314		
MRLs				
• 122mm BM-21	+	+		
• 160mm Accular/ Magic Spear	12	12	2012	
• 227mm MLRS	48	48	1995	
• 290mm MAR 290	+	+		
Future procurement				
• 120mm Keshet/ Cardom SP				Follow-on order

Ground Radars

Model	In stock	In service	Since	Notes
Artillery/ mortar-locating radars				
• AN/TPQ-37 (Nurit)	+	+		
• AN/PPS-15	+	+		
• EL/M-2112	+	+	2007	Part of Sentry Tech
• EL/M-2084 MMR (Raaz)	+	+	2009	Part of Iron Dome AD system
• AN/TPQ-48 LCMR	+	+		
• Shilem	+	+		
Specialized reconnaissance vehicles				
• TOM SP	+	+	2011	Mounted on patrol vehicles
• Granite	+	+	2011	Based on Caracal/ Sandcat chassis; with Spider payload
• Raccoon/Stalker II	+	+	2000	

Model	In stock	In service	Since	Notes
Aerostats with radars				
• Hila	+	+	2008	
• Skystar 300 aerostat	+	+	2007	Part of Sentry Tech; with Spider payload

Advanced Munitions

Morty guided mortar shell , APAM-MP-T, M329 Cartridge (Kalanit) , APAM-MP-T M117/1 Cartridge (Rakefet) ,

.

Logistic and Engineering Equipment

Gilois motorized bridges, M-123 Viper minefield crossing system, M60 AVLB, mine-clearing rollers, mine layers, Pomins II portable mine neutralization system*, Puma ECVs, TAB (towed assault bridge, towed by tanks), TLB (trailer-launched bridge), TWMP (tread-width mine ploughs), M-1000 heavy equipment transporters, Namer ARV, D9R bulldozers (100), M88 ARV, Lioness ECV, CX-1, Guardium UGV, Viper UGVs (Pazit), Ami bulldozers (3), Bobcat UGVs

* According to foreign publications as cited by Israeli publications.

Anti-Tank Missiles

Spike missiles (NT-S, NT-G, NT-D), BGM-71A/C TOW, Israeli improved BGM-71C TOW, Mapats SP, Nimrod, M-47 Dragon, Matador , Tamuz/ Spike NLOS SP

* According to foreign publications.

Air Force

Order-of-Battle

Category	In stock	In service	Notes
• Combat	520	446	Including aircraft in operational storage
• Transport	54	52	
• Helicopters	181	154	

Combat Aircraft

Model	In stock	In service	Since	Notes
Advanced multi-role				
• F-16 I (Soufa)	100	100	2004	
• F-16 2020	1	1	2010	

Model	In stock	In service	Since	Notes
• F-16 C/D (Barak)	135	135	1990	Being upgraded to 2020 standard.
• F-16 A/B (Netz)	107	107	1980/1986	To be phased out
• F-15 I (Ra'am)	25	25	1998	
Subtotal	368	368		
Advanced interceptors				
• F-15 A/B (Baz)	30	16	1976	Being upgraded to "Baz 2000" standard
• F-15 C/D (Baz)	42	42	1982/ 1998	Upgraded to "Baz 2000" standard
Subtotal	72	58		
Obsolete				
• A-4 Skyhawk	80	20	1967	Used for advanced training. The rest are in operational storage.
Total	**520**	**446**		
Future procurement				
• F-16 C/D 2020	+			Upgrading of existing aircraft
• F-35 JSF	20			Total requirement up to 100

Transport Aircraft

Model	In stock	In service	Since	Notes
• Boeing 707 (Reem)	7	7	1973	In tanker role
• C-130E Hercules	8	6	1970	To be phased out
• C-130H Hercules (Karnaf)	10	10	1980	Being upgraded; Four in tanker role
• Beech King Air B-200/200T (Ztufit)	29	29	1990	Some in surveillance role
Total	**54**	**52**		
Future procurement				
• V-22 Osprey	6-8			Delivery in 2015-2016
• C-130J-30	2	2		Delivery in 2014-2015, with four more will arrive in the future.

Training and Liaison Aircraft

Model	In stock	In service	Since	Notes
Jet trainers				
• M-346 Master (Lavi)	2	0	1960	Being deliverd
• CM-170 Fouga Magister (Tzukit)	35	0	1960	In operational storage
Piston/Turbo-prop				
• Bonanza A-36 (Hofit)	22	22	2005	
• T-6A (Efrony)	19	19	2009	Privately owned basic trainers
• AT-802 Fire Boss	8	8	2011	Privately owned, in firefighting role
• G 120A (Snunit)	27	27	2003	Privately owned primary trainers
Subtotal	76	76		
Total	**111**	**76**		
Future procurement				
• M-346 Master	30		2015	Privately owned advanced trainers

Helicopters

Model	In stock	In service	Since	Notes
Attack				
• AH-64A Apache (Peten)	27	27	1990	
• AH-64D Apache (Saraf)	18	18	2005	
• AH-1G/S Cobra (Tsefa)	45	32	1981	To be upgraded
Subtotal	90	77		
Heavy transport				
• CH-53-2000 (Yasoor)	37	23	1970	Being upgraded to CH-53-2025
Medium transport				
• S-70A Blackhawk (Yanshouf)	49	49	1994/2002	
Naval combat				
• AS 565SA Panther (Atalef)	5	5	1995	
Total	**181**	**154**		

Miscellaneous Aircraft

Model	In stock	In service	Since	Notes
AEW/AWACS				
• Gulfstream G550 CAEW (Eitam)	2	2	2006	Systems are installed in Israel
ELINT and EW				
• Gulfstream G500 SEMA (Shavit)	3	3	2005	
• King Air A200CT/ B-200T (Ztufit)	16	16	1990/ 2001	
Maritime surveillance aircraft				
• Heron (Shoval)	8	8	2006	MP radar payload
• Seascan (1124N)	3	3		
UAVs				
• Aerostar	+	+		
• Hermes 450 (Khamsan)	+	+		
• Hermes 900 UAV	+	+	2011	
• Heron (Soval)	+	+	2009	
• Heron TP (Eitan)	+	+	2010	
• Delilah/ Light Defender	+	+		In combat role*
• Harpy	+	+		Anti-radiation drone*
mini-UAVs				
• Skylark LE (Rokhev Shamaim)	20	20	2010	Used by ground forces
• Skylark 2 (Doher Shamaim/ project Shani)	+	+	2011	Operational evaluation
• Other UAVs				I-view, Mini-V, dominator, Orbiter, skylite
Target drones				
Beech AQM-37A; Beech BQM-107B, MQM-74C Chuckar II, Teledyne Ryan 1241				
Tankers				
• KC-707 tanker	5	5	2002	Upgraded tankers
• KC-130 tanker	3	3	1976	Included in transport aircraft
Future procurement				
• KC-135 stratotanker	+			Under negotiations

Model	In stock	In service	Since	Notes
• Eitan UAV	+			
• Orbiter UAV	4			For naval FMPBs
• Ghost Mini-UAV	+			For special forces
• Hermes 900 UAV	+			
• Skylark 2/ LE UAV (project Shani)	+			

* According to foreign publications.

Advanced Armament

Air-to-air missiles

AIM-9L/M Sidewinder , AIM-7 Sparrow, Python 3, Python 4, Derby, AIM-120B/ C AMRAAM (200)

Air-to-ground missiles

AGM-78D Standard ARM, AGM-65 Maverick, AGM-62A Walleye, AGM-45A/B Shrike, AGM-114 Hellfire, AGM-142 Popeye*, Nimrod ATGM, Spike (LR, ER. NLOS) ATGM*

Bombs

CBU (including Tal-1, ATA-1000, ATA-500), Delilah ALCM , GBU-28 guided bombs (150), GBU-39 SDB guided bombs (1,000) (Barad Khad), GBU-54 LJDAM (100),runway-penetration bombs, Griffin, Guillotine, JDAMs (Barad Kaved), Opher, PB-500 , Pyramid, Spice- 1000/2000 (Barad Plada)

Target designation pods

LANTIRN (Inbar), Litening , EL-20600 RTP (Gondola)

Reconnaissance pods

EL/M-2022 MP radar, EL-2060P SAR (Yanshuphon) , Reccelite (Ogen Krav), Reec-U (Ogen Khad)

EW and CEW

Chaff and flare dispensers for combat aircraft, Delilah ALCM , Samson AN/ADM-141 TALD, EL/L-8202 ECM pod, EL/L-8230 ECM system, EL/L-8231 ECM system, EL/L-8240 ECM system, EL/M-2160 warning system, LWS-20 system, SRS-25 airborne receiver, SPS-20 self protection system, SPS-65 self protection system, SPS-200 airborne self protection system, SPS-1000 EW system, SPS-2000 self protection system, Sky-Jam 200 jammer , AN/ALQ 131 electronic countermeasure systems (20)

Future procurement

Star-1 AGM/cruise missile (under development), JDAMs guided bombs (2,700), BLU-109 guided bombs (2,000), Paveway 2 guided bombs (4,000), AGM-114L3 Hellfire II AGMs (480), Lizard-3 , Spice, Lahat ATGM

* According to foreign publications.

Air Force Infrastructure

Aircraft shelters

In all operational airfields, for combat aircraft

Military airfields 11

Haifa, Hatzerim, Hatzor, Lod, Nevatim, Palmachim, Ramat David, Ramon, Tel Aviv, Tel Nof, Uvda

Aircraft maintenance and repair capability

Maintenance on all models in service, partly in airfields, partly at Israel Aircraft Industries facilities

Air Defense Forces

Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
Heavy Batteries				
• MIM-23B Improved HAWK	10		1965	
• MIM-104 Patriot	2		1991	
• MIM-104 Patriot PAC-2	4		2000	Upgraded with GEM-T missiles
• Arrow- 1/2 ATBM	3	16	1998	Including Green Pine radar
Total	**19**			
Medium Batteries				
• Iron Dome	9		2010	
Light missiles				
• MIM-72A Chaparral		~50		
• Stinger		~ 20	1997	Part of Mahbet AD system
Total		**~70**		
Shoulder-launched missiles				
• FIM-92C Stinger		+		In operational storage
Future procurement				
• Iron Dome	9			
• David Sling	+		2015	
• Arrow- 3 ATBM	+			

Other Air Defense Systems

Model	In stock	In service	Since	Notes
Air Defense systems				
• Mahbet SP	20	20	2002	M-163 Vulcan with

Model	In stock	In service	Since	Notes
				Stinger SAMs
Short-range guns				
• 40mm Bofors L70	+	+		
• 23mm ZU 23x2	+	+		
• 20mm TCM-20 Hispano Suiza SP	+	+		
Total	**~900**	**~900**		
Radars				
• EL-2084 MMR	5	5	2009	Part of with Iron Dome batteries
• Ramit	+	+		
• FPS-100	+	+		
• AN/TPS-43	+	+		
• EL-2083 Green Pine/ Great Pine	3	3	1998	Part of Arrow batteries
• Alufa-3	+	+		
• Nautilus	+	+		
Aerostats with airborne radars				
• Airstar	+	+	2009	71M aerostat, mounted with EL-2083 APR radar, and EL-3330 GMTI radar.
Future procurement				
• EL/M-2084 MMR	3			

Navy

Submarines

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
Submarines			
• Dolphin (Type 212/ 800)	4	57.3/1,900	Sub-Harpoon SSMs 6x533mm torpedoes total of 16 torpedoes/missiles
Future procurement			
• Dolphin AIP	3	68/ 2,300	Delivery in 2013-2017

Combat vessels

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
Missile corvettes			
• Eilat class (Sa'ar 5)	3	86.4/1,075	1xSA-536 helicopter 8xHarpoon SSMs 64xBarak-1 SAMs 1x76mm gun 2x25mm Sea Vulcans 6x324mm torpedoes Barak-8 SAMs
MFPBs			
• Hetz class (Sa'ar 4.5)	8	61.7/488	8xHarpoon SSMs 6xGabriel II SSMs 32xBarak I SAMs 1x76mm gun 1x20mm Vulcan Phalanx 2x12.7mm MGs
ASW vessels			
• Reshef class (Sa'ar 4)	2	58/415	4xHarpoon SSMs 4-6xGabriel II SSMs 1-2x76mm guns 2x20mm guns 1x20mm Vulcan Phalanx 2x12.7mm MGs In ASW role: 2-3x324mm torpedoes sonar
Total	**13**		
Future procurement			
• LCS/ MAKO Future corvette	2		Under negotiations

Patrol Craft

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
• Shaldag-2	5	23.6/56	1x25mm Typhoon gun 1x20mm Gun Spike ER ATGMs APS
• Super Dvora Mk-I/II	13	21.6/54	2x20mm/ 25mm guns 2x12.7mm MGs 1x84mm MRL depth charges

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
• Super Dvora Mk-III	10	27.4/72	2x324mm torpedoes 1x25mm Typhoon gun 1X20mm gun Spike ER ATGMs APS
• Dabur	15	19.8/39	2x324mm torpedoes depth charges 2x20mm guns 2x12.7mm MGs
• Stingray (Nahshol)	3	12/10.5	2x324mm torpedoes 1x84mm MRL depth charges
• Defender class (Tzir'ah)	8	9.5/2.7	7.62mm gun Radar Personal optical sensors
• Protector USV	2	9/	1x30mm gun
Total	**56**		
Future procurement			
• Protector	+		

Landing Craft

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
• Ashdod class LCT	1	62.7/400	In reserve
Future procurement			
• Newport LST	1		Under negotiations

Auxiliary Vessels

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
• Stollergrund (Type 745 – Bat Yam)	2	38.6/450	Support ships
• Ro-Ro	1		

Special Maritime Forces

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
• Mulit (RHIB)	+		
• Snunit	+		

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
• Zaharon fast boats (Firefish)	12	12.5	
• Morena (RHIB)	2	13	Search radar

Coastal Defense

Type	In stock	Notes
Costal surveillance radars		
• EL/M-2226	+	Part of CTS surveillance system

Naval Infrastructure

Naval bases	3
Ashdod, Eilat, Haifa	
Ship maintenance and repair facilities	
Repair and maintenance of all naval vessels at Haifa, partly in conjunction with Israel Dockyards	