

4. IRAN

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Major Changes

- Iran continues its nuclear weapon project in spite of massive international pressure not to do so.
 - Despite repeated promises by Russia to supply Iran's S-300PMU advanced air defense system – their delivery is still questionable.
 - The Iranian military industry continues to develop more and more advanced systems. Among these are long range coastal anti ship missiles, Submarine launched and airborne versions of anti ship missiles, long range ballistic missiles (principally the two stage solid-fuelled Sejil missile, and the satellite launch vehicle Safir-e-Omid and Simorgh), midget submarines (Ghader and Nahang), missile boats (Kaman and Mowj class) and patrol boats. Serial production of combat aircraft like the Azarakhsh and Saegheh, and UAVs.
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General Data

Official Name of the State: Islamic Republic of Iran

Supreme Religious and Political National Leader

(Rahbar): Ayatollah Ali Hoseini Khamenei

Head of State (formally subordinate to National Leader):

President Mahmud Ahmadinejad

Minister of Defense: Ahmed Vahidi

General Commander of the Armed Forces: Major General Ataollah Salehi

Head of the Armed Forces General Command Headquarters: Major General Hasan Firuzabadi

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Chief of the Joint Staff of the Armed Forces: Brigadier General Abdolrahim Mousavi

Commander of the Ground Forces: Brigadier General Ahmad-Reza Pourdastan

Commander of the Air Force: Brigadier General Hassan Shahsafi

Commander of the Air-Defense Forces: Brigadier General Ahmad Miqani

Commander of the Navy: Rear Admiral Habibollah Sayyari

Commander-in-Chief of the Islamic

Revolutionary Guards Corps (IRGC): Major General Mohammed Ali Jaafari

Chief of the Joint Staff of the IRGC: Brigadier General Mohammed Hejazi

Commander of the IRGC Ground Forces: Brigadier General Mohammad

Pakpour

Commander of the IRGC Air Wing: Brigadier General Amir Ali Hajizadeh

Commander of the IRGC Naval Wing: Brigadier General Ali-Reza Tangsiri

Commander of the IRGC Resistance Force (Basij): Brigadier General Mohammed Reza Naqbi

Area: 1,647,240 sq. km. (not including Abu Musa Island and two Tunb islands; control disputed)

Population: 74,200,000 est.

Demography

Ethnic groups		
• Persians	37,842,000	51.0%
• Azeris	18,550,000	24.0%
• Gilaki and Mazandarani	5,936,000	8.0%
• Kurds	4,194,000	7.0%
• Arabs	2,226,000	3.0%
• Balouchis	1,484,000	2.0%
• Turkmens	1,484,000	2.0%
• Lurs	1,484,000	2.0%
• Others	742,000	1.0%
Religious groups		
• Shi'ite Muslims	66,038,000	89.0%
• Sunni Muslims	7,420,000	10.0%
• Christians, Zoroastrians, Jews, Bahais and others	742,000	1.0%

Iran

Economic Data

		2005	2006	2007	2008	2009
• GDP (current prices)	\$ bn	189.35	222.88	286.0	337.34	358.92
• GDP per capita	\$	2,674	3,113	3,950	4,602	4,837
• Real GDP growth	%	4.7	5.8	7.8	6.5	0.5
• Consumer price index	%	13.4	11.6	17.1	25.5	15.8
• External debt	\$ bn	21.26	20.11	21.0	21.92	19.2
Balance of payments						
• Exports fob	\$ bn	64.36	76.05	97.4	98.4	70.15
• Imports fob	\$ bn	-43.1	-50.0	-56.58	-67.25	-57.16
• Current account balance	\$ bn	16.64	20.4	34.1	20.18	2.23
Government expenditure						
• Government expenditure	%	42.1	27.5	21.4	22.4	23.6
• Defense expenditure	\$ bn	7.2	8.55	8.22	9.17	NA
• Real change in defense expenditure	%	24.0	18.7	-3.9	11.6	NA
• Defense expenditure / GDP	%	3.8	3.8	2.9	2.7	NA
Population	m	70.8	71.6	72.4	73.3	74.2
Official exchange rate	IR: \$1	8,964	9,171	9,281	9,429	9,928

Sources: EIU Quarterly Report, EIU Country Profile, IMF International Financial Statistical Yearbook, SIPRI Yearbook

Foreign Military Cooperation

Type	Details
• Forces deployed abroad	150 IRGC troops in Lebanon; 1,000 intelligence officers and military personnel in Syria (2009)
• Joint maneuvers	India (2003), Italy (2001), Oman (observers 1999), Pakistan (naval maneuvers - 2008)
• Security agreements	Azerbaijan (2005), India (2003), Iraq (2005), Lebanon (2008), Pakistan (2003), Sudan (2007), Syria (2007), Tajikistan (2005), Ukraine (2007), Venezuela (2009)

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
Eritrea	• Facilities	Use of Naval base at Assab (2009)
India	• Facility upgrade	Upgrading of naval bases (2005)
	• Military training	Trainees in India (2006)
Italy	• Assistance	cooperation in satellite launch (2005)
North Korea	• Arms transfers	PBs (2007), BM-25 SSMs (2005), Yono mini-submarines (2007)
PRC	• Arms transfers	J-10 aircraft (2007)
	• Cooperation in R&D	C-802, TL-6 and TL-10 ASCMs (2005)

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	and arms production	
Russia	<ul style="list-style-type: none"> • Arms transfers • Assistance 	Zohreh satellite (2006), Tu-204 transport aircraft (2008), Tor-M1 SAMs (2006), Yakhont ASCM (2007), S-300 PMU SAMs (2010) Nuclear technicians in Bushehr (2006), trainees in Russia (2006)
UK	<ul style="list-style-type: none"> • Arms transfers 	Challenger PBs (2010)
Ukraine	<ul style="list-style-type: none"> • Arms transfers 	An-140 transport aircraft (2008), Kh-55 ALCMs (2005) , Kolchuga radar (2006), AN-148 transport aircraft (2010)
USA	<ul style="list-style-type: none"> • Arms transfers 	Spare parts for American-made aircraft (unauthorized by government)

Arms Sales and Security Assistance Extended

Country	Type	Details
Iraq	<ul style="list-style-type: none"> • Arms transfers 	RPG-29 (2006) , 240mm MRLs (2008), 107mm MRLs (2008)
	<ul style="list-style-type: none"> • Assistance 	Financial support for the Mahadi Army (2006)
	<ul style="list-style-type: none"> • Military training 	Some IRGC and Quds instructors with Mahadi army militia (2006)
Lebanon	<ul style="list-style-type: none"> • Arms transfers 	Hizbullah militia: artillery, MRLs (2008) , ATGMs, Strela SAMs, Muhajer UAV (2008)
	<ul style="list-style-type: none"> • Assistance 	\$100 million annual grant to Hizbullah militia (2006)
	<ul style="list-style-type: none"> • Military training 	Training Hizbullah fighters in Iran (2008)
North Korea	<ul style="list-style-type: none"> • Cooperation in arms production, R&D 	Alleged transfer of Kh-55 ALCM technology (2005)
	<ul style="list-style-type: none"> • Assistance 	Annual founding for SSM projects
Palestinians	<ul style="list-style-type: none"> • Arms transfers 	Igla/ Misagh SAMs for Hamas (2009)
	<ul style="list-style-type: none"> • Assistance 	\$20 million annually for Hamas (2005)
Sri Lanka	<ul style="list-style-type: none"> • Arms transfers 	SAMs (2005), PBs (2005)
	<ul style="list-style-type: none"> • Arms transfers 	Shehab-3 SSMs (2007) , Tir patrol boats (2007)
Syria	<ul style="list-style-type: none"> • Cooperation in arms production, R&D 	Joint development of Scud D and M600 (Fateh-110) SSMs (2009), assistance in CW development (2006)
	<ul style="list-style-type: none"> • Arms transfers 	Muhajer UAVs (2007)

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Defense Production

	M	P	A
Weapons of mass destruction			
• Assembly and production of Scud C, Shehab-2, Shehab 3, Shehab 4, and Kosar SSMs (with China, North Korea, Russia and possibly also Pakistan)	✓		✓
• Fateh-110 and Tondar-69 Solid-fuel SSM	✓		
• Chemical agents (Mustard, Sarin, Soman, Tabun, VX)	✓		
Army equipment			
• Production of Russian T-72S tanks		✓	
• Zulfikar and Towsan tanks	✓	✓	
• Upgrading of T-55 tanks to Iranian model Type 72Z	✓		
• Upgrading of T-54 tanks to Iranian model Safir-74	✓		
• Boragh, Cobra, Sayyad and Rakhsh APCs	✓		
• Upgraded Chieftain MBTs	✓		
• Upgraded BTR-60 APCs	✓		
• Fajer, Falaq, Nazeat, Shahin and Zelzal rockets	✓		
• 122, 160, and 240mm MRLs	✓		
• 122mm Thunder-1(HM51) and 155mm Thunder-2 (HM44) SP guns	✓	✓	
• 122mm (HM40) and 155mm (HM41) towed guns			
• 81, 120, 130 and 320mm mortars and artillery ammunition	✓		
• Raad (AT-3), Thunder , Towsan (AT-5), Toophan (TOW) and Saeghe (Dragon) ATGMs	✓		
• Badr-400 and Timaz AFV transporters	✓		
• RPG-7, Nafez and Saegheh ATRLs	✓	✓	
• ERA protection for various tanks	✓		
• Gas masks	✓		
• Spare parts, trucks	✓		
Air Force equipment			
• Shafagh, Saegheh attack aircraft	✓		
• Azarakhsh and Owaz fighter aircraft	✓		
• Tazarve, Kosar training aircraft	✓		
• An-140 and An-74 transport aircraft		✓	✓
• 2061 and 2091 attack helicopters	✓	✓	
• Shhbaviz 275, Shahed 5, Shahed 274 , Shahed 278 helicopters	✓	✓	
• OH-78, Shahed 478, Shahed 285 light attack helicopters	✓		
• Fajr-3 and Parasto training aircraft	✓		
• Ababil, Nazir, Muhajer, Saeqeh, and Tallash UAVs	✓		
• Raad attack UAV	✓		
• Upgrading of F-4, F-5 and F-14 aircraft	✓		
• Upgrading of Simorgh AEW aircraft	✓		
• Fatteh (Conversion of HAWK to AAM)	✓		
• IR-seeking AAMs		✓	
• ZU-23mm anti-aircraft guns		✓	

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	M	P	A
• Misagh-1/2 (QW-1) , Sayyad-1, Shahab Thaqeb (HQ-7), Shahin (Hawk), Qaem SAMs	✓		
• Reverse engineering of Crotale and Rapier SAMs	✓		
• Kosar (TL-10), Fajr-y-Darya (C-701), Nasr (TL-6), Noor (C-802) ASCMs	✓		
• Sattar, Qassed Laser-guided missiles	✓		
• ARM missiles	✓		
• Xh-55 ALCMs	✓	✓	
• Qadr, Zoobin TV-guided missiles	✓		
• Tolloue mini jet engines	✓		
• Spare parts for aircraft	✓		
Electronics			
• FCS for T-72 MBTs	✓		
• Radio transceivers (copy of US models)	✓		
• Training simulators for aircraft and MBTs	✓		
• Hasib, 110-S, 110-D ground radars	✓		
• Basir-110 and phased-array AD radars	✓		
• HMS-100/200/400/500 EO surveillance systems	✓		
• Imaging camera for satellites	✓		
• Laser detector	✓		
• Night vision systems	✓		
Naval equipment			
• Mowj destroyer, Sina-1 Frigates	✓		
• Ashura, Paykan, Tareq, Tir, and Zulfaqar patrol craft	✓		
• MIG-S-1800, MIG-S-1900 and MIG-S-2600 patrol crafts	✓		
• MIG-S-3700 LCU (Foque class)	✓		
• Younes-6 hovercraft	✓		
• Sabehat-15, Ghadir, Nahang, Qaaem midget submarines	✓		
• Kosar (TL-10) , Nasr (TL-6) , Nour (C-802) , Raad (HY-2) , Sagheb (C-801), Tondar SSMs		✓	
• Upgrading of Standard missiles to naval SAMs	✓		
• Hendijan auxiliary vessels	✓		
Space			
• Telecommunication satellite under development, to be launched with Russian cooperation	✓		

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

Note: Some of the weapons systems may be copies of foreign types and not indigenously developed. In addition, some may be only prototypes, which were displayed for propaganda purposes and are not in production.

Iran

Strategic Assets

NBC Capabilities

Nuclear capability

One 5 Mw research reactor acquired from the US in the 1960s (in Tehran) and one small 30 kW miniature neutron source reactor (in Esfahan). One 1,000 Mw VVER power reactor under construction, under a contract with Russia, in Bushehr; uranium enrichment facility in Natanz and heavy water production facility in Arak - connected to an alleged nuclear weapons program.

Party to the NPT. Safeguards agreement with the IAEA in force.

Chemical weapons and protective equipment

Iran admitted in 1999 that it had possessed chemical weapons in the past.

Party to the CWC, but nevertheless suspected of still producing and stockpiling mustard, sarin, soman, tabun, VX and other chemical agents. Alleged delivery systems include aerial bombs, artillery shells and SSM warheads. PRC and Russian firms and individuals allegedly provide assistance in CW technology and precursors.

Personal protective equipment and munitions decontamination units for part of the armed forces.

Biological weapons

Suspected biological warfare program; no details available. Party to the BWC.

Ballistic Missiles

Model	Launchers	Missiles	Notes
• SS-1 (Scud B/ Scud C)	~20	300 Scud B, 100 Scud C	
• Shehab-2	+	+	Probably similar to the Syrian Scud-D
• Shehab-3 / 3B	10	90	
• Ghadr-101/110	+		Alleged
• BM-25	+	18	Operational status unknown
• Tondar-69 (CSS-8)	16		
• Fateh-110	+		Operational status unknown
Total	~60		
Future procurement			
• Shehab 3B			Includes new RV, believed to be in production
• Ghadr / Ashura / Sejil			Solid propellant.

Iran

Space Assets

Name	Type	Notes
Satellites		
• Sina-1	Remote sensing	170 kg satellite with 50m resolution camera for earth observation.
• SMMS	Remote sensing	Multi-mission satellite, launched in cooperation with China and Thailand.
• Omid	Research	20 kg micro satellite
Ground station		
• Semnan		Ground command and communication station
• IRSC	Remote sensing	Multi spectral remote sensing
Satellite launcher		
• Kavoshgar		Sounding rocket
• Safir / Simorgh		SLV
Future procurement		
• Toloo	Reconnaissance	100 kg military reconnaissance satellite, 500km in orbit
• Ya-Mahdi	Research	Test bed for indigenous camera equipment.
• Mesbah	Research	65 kg, store and forward satellite. To be launched in 2011, cooperation with Italy.
• Zohreh	Communication	Russian-built communication satellite.

Iran

Armed Forces

Order-of-Battle

Year	2006	2007	2008	2009	2010
General data					
• Personnel (regular)	520,000	520,000	520,000	520,000	520,000
• SSM launchers	40	50	60	60	60
Ground Forces					
• Divisions	32	32	32	32	32
• Total number of brigades	87	87	87	87	87
• Tanks	~1,620	~1,620	~1,620	~1,620	~1,620
• APCs/AFVs	~1,400	~1,400	~1,400	~1,400	~1,400
• Artillery (including MRLs)	~2,700 (~3,000)	~2,700 (~3,000)	~2,700 (~3,000)	~2,700 (~3,000)	~2,700 (~3,000)
Air Force					
• Combat aircraft	203 (341)	203 (341)	237 (343)	235 (341)	235 (341)
• Transport aircraft	80 (114)	101 (125)	101 (125)	105 (129)	105 (129)
• Helicopters	340 (570)	340 (570)	340 (570)	340 (570)	340 (570)
Air Defense Forces					
• Heavy SAM batteries	30	30	30	30	30
• Medium SAM batteries	+	+	6	6	6
• Light SAM launchers	95	100	120	120	120
Navy					
• Submarines	3	6	8	8	11
• Combat vessels	56	56	90	90	106
• Patrol craft	160	160	185	185	150

* Due to change in estimate.

Iran

Personnel

	Regular	Reserves	Total
Ground Forces	~350,000	350,000	~700,000
Air Force	18,000		18,000
Air Defense	12,000		12,000
Navy	~18,000		~18,000
IRGC – Ground Forces	100,000		100,000
IRGC – Navy	20,000		20,000
Total	~520,000	350,000	870,000
Paramilitary			
• LEF	120,000		120,000
• Baseej		2,000,000	2,000,000

Ground Forces

Formations

	Corps / armies	Divisions	Independent brigades / groups	Brigades in divisions
All arms	4			
Armored		4	1	3 armd., 1 mech., 1 aty. each
Mechanized/ Infantry		6	1	4 inf., 1 aty. each
Airborne			1	
Special forces		2	5	3 commando each
Artillery			6	
Total	4	12	14	

IRGC Formations

	Divisions	Independent brigades / groups	Brigades in divisions
Armored	4		
Mechanized/ Infantry	16		
Special forces		3	
Artillery		6	
SSM		1-2	
Total	20	10-11	

Note: The IRGC has possibly reorganized as 26 divisions without independent brigades. IRGC divisions are smaller in size than army divisions, sometimes equivalent to the strength of one brigade.

Iran

Tanks					
Model	Quantity	In service	Since	Notes	
MBTs					
High quality					
• T-72 S/M1	422	422	1990	Indigenously assembled tanks. Based on estimated production rate of 20 per year	
• Zulfikar	~100	~100	1996		
Subtotal	~520	~520			
Medium and low quality					
• Chieftain MK 3/ MK 5	~100	~ 100	1973	Type 69/Type 59/ Type 72Z/Safir 74	
• T-62	50	50	1982		
• T-55 and derivatives	~550	~550	1985/ 1996		
• M60 A1	150	150	1972		
• M48/M47	150	150	1958		
Subtotal	~1,000	~1,000			
Light tanks					
• Scorpion	~80	~80	1977		
• Towsan	+	+	1998		
Subtotal	~100	~100			
Total	~1,620	~1,620			
Future procurement					
• Zulfikar				Being produced locally	

APCs/AFVs					
Model	Quantity	In service	Since	Notes	
APCs					
• M113	200	200	1968	Based on estimated production rate of 20 per year	
• Boragh	140	140	1996		
• BTR-50/60	300	300	1967		
• MT-LB	+	+			
Subtotal	~650	~650			
IFVs					
• BMP-1	300	300	1977	Indigenously assembled	
• BMP-2	413	413	1991		
Subtotal	713	713			

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Reconnaissance

• Engesa EE-9 Cascavel	35	35	1982
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Total	~1,400	~1,400
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Artillery

Model	Quantity	In service	Since	Notes
Self-propelled guns and howitzers				
• 203mm M110	~30	~30	1976	
• 175mm/170mm Koksan M-1978	~20	~20	1994	
• 175mm M107	25	25	1975	
• 155mm M109	440	~150	1978	
• 155mm Thunder/ Raad 2	+	+	1998	Indigenously developed
• 122mm Thunder/ Raad 1	+	+	1998	Indigenously developed
• 122mm 2S1	60	~50	1993	
Subtotal	~600	~300		
Towed guns and howitzers				
• 203mm (8") M-115	30	~30	1974	
• 155mm G-5	30	30	1989	
• 155mm GHN-45	100	100	1988	
• 155mm M114	~100	~100	1970	
• 152mm (PRC)	30	30		
• 130mm M-46/ Type 59	~800	~800	1973	
• 122mm D-30	~500	~500	1982	
• 122mm Type 54/60	~100	~100	1990	
• 105mm M101	~200	~200	1966	
Subtotal	~1,900	~1,900		
Mortars, over 160mm				
• 320 mm	+	+		
Mortars, under 160mm				
• 120mm M-65	+	+	1980	
• 107mm (4.2") M-30	+	+	1981	
MRLs				
• 240mm Fadjr-3	+	+	1994	
• 230mm Oghab	+	+	1987	
• 122mm BM-21	~100	~100	1978	
• 122mm Hadid/ Azrash/Nur	50	50	1994	
• 107mm Type 63	100	100	1986	
Subtotal	~250	~250		

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Rockets

• 610mm Zelzal-2	+	+	1998
• 355mm Nazeat	+	+	1988
• 333mm Fadjr-5	+	+	1998
• 333mm Shahin 2	+	+	1989
Total	~ 3,000	~ 2,700	

Ground radars

110D, 110S

Logistic and Engineering Equipment

Pontoon bridges, light infantry assault boats, self-propelled pontoons, AFV transporters (several hundred)

Precision-Guided Munitions

AT-11 (Spandrel), AT-4 (Spigot), AT-3 (Sagger), BGM-71A TOW, SS-11/SS-12, Towsan, Toophan, Raad, Krasnopol-M

Iran

Air Force

Order-of-Battle

Category	Quantity	In service	Notes
Combat	341	235	
Transport	129	105	
Helicopters	570	340	

Note: all figures include aircraft with army and navy aviation.

Combat Aircraft

Model	Quantity	In service	Since	Notes
Interceptors				
• F-14A Tomcat	57	44	1972	Being upgraded
• MiG-29	34	34	1990	
Subtotal	91	78		
Multi-role				
• F-4 D/E	67	37	1968	6 of which are RF-4E
• Phantom				
• Mirage F1-E	22	10	1991	
Subtotal	89	47		
Ground attack				
• Su-24	22	22	1991	
• Su-25	13	13	1991	Upgraded
• Saegheh	10	10	2006	Indigenously developed; low production rate
• Azarakhsh	6	6	2000	
Subtotal	51	51		
Obsolete				
• F-7	60	24	1987	
• F-5 A/B/E	57	42	1974	
Subtotal	117	66		
Total	341	235		
Future procurement				
• J-10	24			
• Saegheh	25			Indigenously developed; low production rate
• Su-27				Negotiations with Russia

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Transport Aircraft

Model	Quantity	In service	Since	Notes
• Iran-140	9	9	2000	Low production rate
• IL-76MD	12	12	1990	Some in service
• Y-7	14	14	2004	Being delivered
• Y-12	9	9	2000	7 employed in maritime surveillance role
• An-74	11	11	1999	
• C-130 E/H Hercules	43	19	1970	Some in electronic surveillance and maritime patrol
• Boeing 747	5	5	1976	
• Boeing 707 and KC-707 tanker	3	3	1973	Including Boeing 707s in electronic surveillance/ECM/ECCM role
• Aero Commander 690	3	3	1978	
• Dornier Do-228	4	4		Employed in maritime surveillance role
• Fokker F-27 400M/ 600	14	14	1972	4 are employed in maritime patrol missions
• Mystère-Falcon 20	1	1	1991	
• Jetstar	1	1		
Total	129	105		
Future procurement				
• AN-148	50			
• Tu-204	100			
• Iran-140	45			

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Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
Jet trainers				
• Tazarve	5	5	1999	Indigenously developed; low production rate
• T-33	9	9	1968	
Subtotal	14	14		
Piston/ Turbo-prop				
• Beechcraft Bonanza F-33	~25	~25	1974	
• Cessna 185/180/150	10	10	1978	
• Embraer EMB-312 (Tucano)	23	23	1989	
• Mushshak (PAC Mushshak)	25	25	1991	
• Socata TB 21/ TB 200 (Trinidad/ Tobago)	12	12	1996	
• Parastu	12	12	1997	
• Pilatus PC-7 Turbo-trainer	45	45	1983	
• Pilatus PC-6	15	15	1982	
Subtotal	167	167		
Total	181	181		
Future procurement				
• Tazarve	25			Indigenously developed; low production rate

Helicopters

Model	Quantity	In service	Since	Notes
Attack helicopters				
• AH-1J Cobra/ Shabaviz 2091/ Toophan	100	70	1974	
• Shahed 285	10	10	2009	
Subtotal	110	80		
Naval combat				
• ASH-3D	9	6	1977	
• RH-53D/SH-53D	~25	6	1976	
• AB-212/Shaviz 2-75	9	6	1971	
Subtotal	~ 40	18		
Heavy transport				
• CH-47C Chinook	25	25	1973	

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Model	Quantity	In service	Since	Notes
Medium transport				
• AB-214A	~200	~70	1974	
• AB-205	50	50	1969	
• Mi-171(Sh)	45	45	2000	Some are armed
• SA-330/IAR-330 Puma	+	+		
• AS-61	2	2	1978	
Subtotal	~300	~170		
Light transport				
• AB-206 Jetranger /Shabaviz 2061	90	40	1969	Possibly some armed
• IAR-316	12	12	1994	
• IAR-317	+	+		
Subtotal	~105	~55		
Total	570	340		
Future procurement				
• Shahed-274	20			

Miscellaneous Aircraft

Model	Quantity	In service	Since	Notes
Surveillance				
• RC-130	2	2	1970	
• RF-4E	6	6	1974	
Maritime surveillance				
• Dornier DO-228	2	2		Also listed under Transport Aircraft
• P-3F Orion	2	2	1974	
• C-130H MP	5	5	1970	Also listed under Transport Aircraft
• Y-12 MP	7	7	2000	Also listed under Transport Aircraft
• Fokker F-27 400M/ 600 MP	2	2	1972	Also listed under Transport Aircraft
Tanker				
• KC-707	3	3	1974	Also listed under Transport Aircraft
• Boeing 747	5	5	1974	Also listed under Transport Aircraft

Iran

Model	Quantity	In service	Since	Notes
Target drones				
• Tallah I/II	+	+	1996	
• Saeqeh I/II	+	+	1996	
UAVs				
• Ababil-S	+	+	1999	
• Ababil-T	+	+	1999	
• Mohajer III (Dorne)	+	+	1997	
• Mohajer IV (Hodhod)	+	+	2002	

Advanced Armament

Air-to-air-missiles

AA-10 (Alamo), AA-11 (Archer), AIM-54A Phoenix (280), AIM-9L Sidewinder (1,270), AIM-7 Sparrow (430), PL-2 (540), PL-7 (360), Fattar (Sidewinder), Sedjil (modified Hawk)

Air-to-ground-missiles

AGM-65 Maverick, AS 10 (Karen), AS-12, C-801K, Fajr e-Darya (C-701), Kosar (TL-10) , Noor (C-802) , Towsan, Toophan , Zoobin

Guided bombs

Sattar, Qadr, Qassed

Future procurement

AA-11 (Archer AAM), AA-12

Note: Number in parentheses refers to quantity of missiles purchased, not current inventory levels.

Air Force Infrastructure

Aircraft shelters

In all operational airfields

Military airfields 13

Bandar Abbas, Birjand, Bushehr, Chah-Bahar, Ghaleh-Marghi, Isfahan, Kerman, Kharg Island, Mehrabad, Mashhad, Qeshm, Shiraz, Tabriz, Tehran, Zahedan

Iran

Air Defense Forces

Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
Heavy missiles				
• HAWK/MIM-23B Improved HAWK	~15		1964	Iranian name: Mersad/ Shahin
• SA-2 (Guideline) / HQ-2J	~10		1986	May be under control of IRGC
• SA-5 (Gammon)	4		1995	
Total	~30			
Medium missiles				
• SA-6 (Gainful)	+		1974	
• Tor-M1 (SA-15)	6	29	2006	
Total	6			
Light missiles				
• Shahab Thaqeb		24	2000	Part of Skyguard ADS
• Rapier		30	1971	To be upgraded
• RBS-70		50	1984	
• Tigercat		15	1968	
Total		120		
Shoulder-launched missiles				
• Igla (SA-16)		700	2000	
• FIM-92A Stinger		+	1987	With IRGC
• Misagh-1/2		+	2002	Sometimes spelled as Mithaq-1q2
• SA-7 (Grail) /HN-5A /SA-14		+	1974	
Future procurement				
• S-300 PMU	15			
• Pantsyr		10		Alleged

Iran

Other Air Defense Systems

Model	Quantity	In service	Since	Notes
Air defense systems (missiles, radars and guns)				
• Skyguard ADS	24	24		Including 35mm guns and missiles
Short-range guns				
• 57mm ZSU 57x2 SP	100	100	1974	
• 57mm S-60	50	50	1966	
• 40mm L-70	95	95		
• 40mm M1	20	20	1968	
• 35mm GDF	100	100		Part of Skyguard
• 23mm ZSU 23x4 SP (Gun Dish)	75	75	1974	
• 23mm ZU 23x2	500	500	1977	
Total	940	940		
Radars				
• JY-14	+	+	1998	
• AR-3D	+	+		
Future procurement				
• Kolchuga				Alleged

Iran

Navy

Submarines

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• Kilo class (Type 877)	3	73.8/3,076	Sagheb (C-801) SSMs 6x533 torpedoes 24 mines
Midget submarines			
• Nahang	1	25m	Indigenously build
• Ghadir (Yono IS 120)	7	29/123	North Korean design
Total	8		
Future procurement			
• Ghadir (Yono)	3	29/123	

Combat Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
Missile frigates			
• Mowj class (Alvand)	1	/1,400	Nour/C-802 SSM 324mm torpedos AB-212 helicopter
• Alvand class (Vosper Mk 5)	3	94.5/1,100	4xC-802 SSM 1xMK-10 ASW mortar 6x324mm torpedoes 1x114mm gun 2x35mm guns 3x20mm guns
Subtotal	4		
MFPBs			
• Kaman class (Combattante II)	13	47.0/249	4xC-802/Harpoon SSMs Standard SAMs 1x76mm gun 1x40mm gun 3 based in the Caspian sea
• Thondor class (Houdong)	10	36.6/171	4xC-802 SSMs 2x30mm guns
• Mk 13	10	14m	2xFL-10 SSMs 2x324mm torpedoes
• Wellington hovercraft (BH-7)	4	23.9/53.6	Nour (C-802) SSM
• China cat (C-14) class	9	13.7/17.0	4xC-701/FL-10 SSMs 2x25mm guns
Subtotal	46		

Iran

Gun corvettes			
• Bayandor class (PF-103)	2	84/900	2x76mm guns 2x40mm guns 2x20mm guns
Light torpedo boats			
• Kajami (Taedong B)	3	21/30	Semi-submersible fast attack vessel
• Tir class	10	20.0/30	1xNoor (C-802) SSM 2x torpedoes
• Peykaap 2	25	17/13.8	2xFL-10/C-701 SSMs
• Peykaap 1	15	16.3/13.8	2x324mm torpedoes 1x12.7mm MG
• Gahjae (Taedong C)	3	15/7	Semi-submersible fast attack vessel
Subtotal	56		
Total	106		
Future procurement			
• Sina (Kaman) frigates			Under construction
• Mowj (Alvand) corvettes	3	1200 t.	Under construction in Bandar Abbas

Patrol Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• Parvin (PGM-71)	3	30.8/98	2xSSMs 1x40mm gun 2x20mm guns 2x12.7mm MGs
• Kaivan (Cape)	3	28.9/148	1x40mm gun 2x23mm guns 2x12.7mm MGs
• US Mk III	10	19.8/41.6	1x20mm gun 1x12.7mm MG
• Pashe (MIG-G-1900) Coastal Patrol Craft	10	19.5/30	2x23mm guns
• Ghaem (MIG-S-1800) Coastal Patrol Craft	20	18.7/60	1x20mm gun 1x12.7mm MG
• MIL 55 Inshore Patrol Craft	1	16.4/15.3	
• Kashdom 2 Inshore Patrol Craft	15	16/17.5	1x107mm MRL 1x23mm gun 1x12.7mm MG
• US Mk II	6	15.2/22.9	2x12.7mm MGs
• Boghammar	20	13 /6.4	1x107mm MRL 1x106mm RCL 3x12.7mm MGs RPG-7 ATRLs

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• MIL 40 Inshore Patrol Craft	2	12.9/6	1x12.7mm MG
• Sewart Inshore Patrol Craft	3	12.2/9	1x12.7mm MG Based in the Caspian sea
• Tarlan	15	11.9/8.5	ATGMs
• Murce (MIG-G-0900) Inshore Patrol Craft	20	9.2/3.5	3x12.7mm MGs RPG-7 ATRs 12x107mm MRL
• Ashoorra (MIG-G-0800) Inshore Patrol Craft	20	6.7/1.3	1x107mm MRL 1x12.7mm MG Boston Whaler type
• Various other small craft	+	5 - 7 m	Some with 12.7mm MGs
Total	~150		

Landing Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• Wellington hovercraft (BH-7)	2	23.9/53.6	Additional 4 under MFPBs
• Iran (SRN-6) hovercraft	1	14.8/10	26 troops; 2 tons
• Hengam	4	93/2,540	Up to 9 tanks or 227 troops; 600 tons 4x40mm guns 8x23mm guns 2x12.7mm MGs
• Iran Hormuz 24 LST	3	73.1/2,014	9 tanks or 140 troops
• Iran Hormuz 21 LST	2	65/1,280	600 ton
• LCT	2	11.6/49	800 ton
• Karbala (MIG-S-3700) LSL	6	37/276	140 ton
Total	20		
Future procurement			
• Younes-6	+		

Auxiliary Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• Delvar support ship	6	64/890	765 dwt 2x23mm guns
• Bandar Abbas - Luhring Yard supply ship	2	108/4,673	3,250 dwt 1 AB 212 helicopter 3x20mm guns
• Kangan (Mazagon)	4	148/12,000	9,430 dwt

Iran

water tanker			2x23mm guns
• Kharg (Swan Hunter) replenishment ship	1	207.2/33,014	9,367 dwt 3 Sea-king helicopters 1x76mm gun 2x23mm guns
• Hamzah support vessel	1	53.7/530	4xC-802 SSMS 1x20mm gun
• Hendijan (MIG-S-4700)	12	50.8/460	40 ton on deck and 95m ³ liquid
• Kialas-C-Qasam	2	65 t.	Training vessels

Special Maritime Forces

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Ya Mahdi	+		Alleged USVs
• Bradstone Challenger	+	15	Fast Attack crafts
• Sabehat 15/ SDV	8	8	Swimmer Delivery Vehicle, serviceability unknown

Coastal Defense

Type	Batteries	Missiles	Notes
C⁴ systems			
• Hodhod	+		Integrating data from infrared, CCD cameras, and radars into regional control centers
Missiles			
• HY-2 (Silkworm)	5	300	
• C-801/ 802	15 - 25	~100	
• SS-N-22 (Sunburn)	1		Alleged; probably non-existent
Total	25-30	400	

Naval Infrastructure

Naval bases	10
Babolsar, Bandar Abbas, Bandar Anzelli, Bandar Khomeini, Bandar Lengeh, Bushehr, Chah Bahar, Farsi Island, Jask, Kharg Island	
IRGC naval bases	11
Abadan oil terminal, Abu Musa Island, al-Fayisiyah Island, al-Salouyeh, Cyrus oilfield, Halul Island platform (unconfirmed), Larak Island, Qeshm Island, Rostam Island oilfield, Sir Abu Nuair, Sirri Island	
Ship maintenance and repair facilities	1
MAN Nordhaman 28,000-ton floating dock	

Iran

Major Non-Governmental Paramilitary Forces

Pro-government organizations

Personnel

	Active
• Ismael Khan (Afghans)	1,000-2,000
• Kurdish Workers Party (PKK)	800
• Supreme Council for Islamic Revolution in Iraq (SCIRI)	15,000

Anti-government organizations

Personnel

	Active
• Democratic Party of Iranian Kurdistan (DPIK)	10,000