

## 4. IRAN

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### Major Changes

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- Iran continues its nuclear weapon project in spite of massive international pressure not to do so.
  - The acquisition of Iran's S-300PMU advanced air defense system is still questionable, despite previous reports to the contrary.
  - 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), midget submarines (Ghader and Nahang), missile boats (Kaman class) and patrol boats. Mass 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 Ahmadi-Nejad

**Minister of Defense:** Mustafa Mohammed Najjar

**General Commander of the Armed Forces:** Major General Ataollah Salehi

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

## Iran

**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 Ahmad Miqani

**Commander of the Navy:** Rear Admiral Habiballah 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 Jafar Assadi

**Commander of the IRGC Air Wing:** Brigadier General Hussein Salami

**Commander of the IRGC Naval Wing:** Rear Admiral Ali Morteza Saffari

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

**Population:** 70,000,000 est.

### Demography

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#### Ethnic groups

• Persians	33,405,000	51.0%
• Azeris	15,720,000	24.0%
• Gilaki and Mazandarani	5,240,000	8.0%
• Kurds	4,585,000	7.0%
• Arabs	1,965,000	3.0%
• Balouchis	1,310,000	2.0%
• Turkmens	1,310,000	2.0%
• Lurs	1,310,000	2.0%
• Others	655,000	1.0%

#### Religious groups

• Shi'ite Muslims	58,295,000	89.0%
• Sunni Muslims	6,550,000	10.0%
• Christians, Zoroastrians, Jews, Bahais and others	655,000	1.0%

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## Iran

### **Economic Data**

		2003	2004	2005	2006	2007
• GDP (current prices)	\$ bn	129.3	156.8	189.3	222.9	259.6
• GDP per capita	\$	1,901	2,282	2,728	3,170	3,651
• Real GDP growth	%	7.1	5.1	4.7	5.8	6.2
• Consumer price index	%	16.5	14.7	13.4	11.6	17.1
• External debt	\$ bn	13.9	20.35	21.26	20.1	20.68
<b>Balance of payments</b>						
• Exports fob	\$ bn	34.0	43.85	64.36	75.54	88.26
• Imports fob	\$ bn	-29.56	-38.2	-43.1	-49.3	-53.87
• Current account balance (including services and income)	\$ bn	0.81	1.44	16.63	20.65	28.9
<b>Government expenditure</b>						
• Total expenditure	\$ bn	NA	45.82	66.68	45.33	NA
• Defense expenditure	\$ bn	3.86	5.33	7.21	8.52	8.6
• Real change in defense expenditure	%	15.9	38.0	38.3	18.2	0.9
• Defense expenditure / GDP	%	3.0	3.4	3.8	3.8	3.3
Population	m	68.0	68.7	69.4	70.3	71.1
Official exchange rate	IR: \$1	8,194	8,614	8,964	9,171	9,281

*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; Ethiopia and Eritrea (UNMEE) ; intelligence officers in joint surveillance centers in Syria (2007)
• 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)

## Iran

### Arms Trade

#### Arms Procurement and Security Assistance Received

Country	Type	Details
India	<ul style="list-style-type: none"> <li>• Facility upgrade</li> <li>• Military training</li> </ul>	Upgrading of naval bases (2005) Trainees in India (2006)
Italy	<ul style="list-style-type: none"> <li>• Assistance</li> </ul>	cooperation in satellite launch (2005)
North Korea	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	PBs (2007) , BM-25 SSMs (2005), Yono mini-submarines (2007)
PRC	<ul style="list-style-type: none"> <li>• Arms transfers</li> <li>• Cooperation in R&amp;D and arms production</li> </ul>	J-10 aircraft (2007) C-802, TL-6 and TL-10 ASCMs (2005)
Russia	<ul style="list-style-type: none"> <li>• Arms transfers</li> <li>• Assistance</li> </ul>	Tu-334 transport aircraft (2004) , Zohreh satellite (2006), Tu-204 transport aircraft (2008), Tor-M1 SAMs (2006), Yakhont ASCM (2007), S-300 PMU SAMs (2008) Nuclear technicians in Bushehr (2006), trainees in Russia (2006)
Ukraine	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	An-140 transport aircraft (2008), Kh-55 ALCMs (2005) , Kolchuga radar (2006), AN-148 transport aircraft (2008)
USA	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	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"> <li>• Arms transfers</li> <li>• Assistance</li> <li>• Military training</li> </ul>	RPG-29 (2006) , 240mm MRLs (2008), 107mm MRLs (2008) Financial support for the Mahadi Army (2006) Some IRGC and Quds instructors with Mahadi army militia (2006)
Lebanon	<ul style="list-style-type: none"> <li>• Arms transfers</li> <li>• Assistance</li> </ul>	Hizbullah militia: artillery, MRLs (2008) , ATGMs, Strela SAMs, Muhajer UAV (2008) \$100 million annual grant to Hizbullah militia (2006)
North Korea	<ul style="list-style-type: none"> <li>• Military training</li> <li>• Cooperation in arms production, R&amp;D</li> </ul>	Training Hizbullah fighters in Iran (2008) Alleged transfer of Kh-55 ALCM technology (2005)
Palestinians	<ul style="list-style-type: none"> <li>• Assistance</li> </ul>	\$20 million annually for Hamas (2005)
Sri Lanka	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	SAMs (2005), PBs (2005)
Syria	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Shehab-3 SSMs (2007) , Tir patrol boats (2007)

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	<ul style="list-style-type: none"> <li>• Cooperation in arms production, R&amp;D</li> </ul>	Joint development of Scud D and Fateh-110 SSMs (2007), assistance in CW development (2006)
Yemen	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Muhajer UAVs (2007)

### Defense Production

	M	P	A
<b>Weapons of mass destruction</b>			
<ul style="list-style-type: none"> <li>• Assembly and production of Scud C, Shehab-2, Shehab 3, Shehab 4, and Kosar SSMs (with China, North Korea, Russia and possibly also Pakistan)</li> </ul>	✓		✓
<ul style="list-style-type: none"> <li>• Fateh-110 and Tondar-69 Solid-fuel SSM</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Chemical agents (Mustard, Sarin, Soman, Tabun, VX)</li> </ul>	✓		
<b>Army equipment</b>			
<ul style="list-style-type: none"> <li>• Production of Russian T-72S tanks</li> </ul>		✓	
<ul style="list-style-type: none"> <li>• Zulfikar and Towsan tanks</li> </ul>	✓	✓	
<ul style="list-style-type: none"> <li>• Upgrading of T-55 tanks to Iranian model Type 72Z</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Upgrading of T-54 tanks to Iranian model Safir-74</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Boragh, Cobra, Sayyad and Rakhsh APCs</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Upgraded Chieftain MBTs</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Upgraded BTR-60 APCs</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Fajer, Falaq, Nazeat, Shahin and Zelzal rockets</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• 122, 160, and 240mm MRLs</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• 122mm Thunder-1(HM51) and 155mm Thunder-2 (HM44) SP guns</li> </ul>	✓	✓	
<ul style="list-style-type: none"> <li>• 122mm (HM40) and 155mm (HM41) towed guns</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• 81, 120, 130 and 320mm mortars and artillery ammunition</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Raad (AT-3), Thunder , Towsan (AT-5), Toophan (TOW) and Saeghe (Dragon) ATGMs</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Badr-400 and Timaz AFV transporters</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• RPG-7, Nafez and Saegheh ATRLs</li> </ul>	✓	✓	
<ul style="list-style-type: none"> <li>• ERA protection for various tanks</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Gas masks</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Spare parts, trucks</li> </ul>	✓		
<b>Air Force equipment</b>			
<ul style="list-style-type: none"> <li>• Shafagh, Saegheh attack aircraft</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Azarakhsh and Owaz fighter aircraft</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Tazarve training aircraft</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• An-140 and An-74 transport aircraft</li> </ul>		✓	✓
<ul style="list-style-type: none"> <li>• 2061 and 2091 attack helicopters</li> </ul>	✓	✓	
<ul style="list-style-type: none"> <li>• Shhbaviz 275, Shahed 5, Shahed 274 , Shahed 278 helicopters</li> </ul>	✓	✓	
<ul style="list-style-type: none"> <li>• OH-78, Shahed 478 light attack helicopters</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Fajr-3 and Parasto training aircraft</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Ababil, Tallash, Saeqeh and Muhajer UAVs</li> </ul>	✓		
<ul style="list-style-type: none"> <li>• Mini-UAVs</li> </ul>	✓		

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	M	P	A
• Upgrading of F-4, F-5 and F-14 aircraft	✓		
• Upgrading of AB-206 helicopters with TOW/ Toophan ATGMs	✓		
• Fattar (Conversion of HAWK to AAM)	✓		
• ZU-23mm anti-aircraft guns		✓	
• Misagh-1/2 (QW-1) , Sayyad-1 and Shahab Thaqeb (HQ-7) SAMs	✓		
• Reverse engineering of Crotale and Rapier SAMs	✓		
• Kosar (TL-10), Fajr-y-Darya (C-701), Nasr (TL-6), Noor (C-802) ASCMs	✓		
• Sattar, Qased Laser-guided missiles	✓		
• ARM missiles	✓		
• Xh-55 ALCMs	✓	✓	
• Qadr, Zoobin TV-guided missiles	✓		
• Tolloue mini jet engines	✓		
• Spare parts for aircraft	✓		
<b>Electronics</b>			
• 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	✓		
<b>Naval equipment</b>			
• 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)	✓		
• Sabehat-15, Ghadir, Nahang, Qaaem midget submarines	✓		
• Kosar (TL-10) , Nasr (TL-6) , Noor (C-802) , Raad (HY-2) , Sagheb (C-801), Tondar SSMs		✓	
• Upgrading of Standard missiles to naval SAMs	✓		
• Hendijan auxiliary vessels	✓		
<b>Space</b>			
• 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

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##### 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. Recently agreed to sign the IAEA Additional Protocol.

##### 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.

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#### Ballistic Missiles

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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
<b>Total</b>	<b>~60</b>		
<b>Future procurement</b>			
• Shehab 3B			Includes new RV. believed to be in production
• Ghadr / Ashura / Sejil			Solid propellant. Tested once

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## Iran

### Space Assets

Name	Type	Notes
<b>Satellites</b>		
• Sina-1	Remote sensing	170 kg satellite with 50m resolution camera for earth observation.
• SMMS	Remote sensing	Multi-Mission satellite to be launched in cooperation with China and Thailand.
<b>Ground station</b>		
• Semnan		Ground command and communication station
• IRSC	Remote sensing	Multi spectral remote sensing
<b>Satellite launcher</b>		
• Kavoshgar/ Safir-e-omid		Sounding rocket/ SLV
<b>Future procurement</b>		
• Omid	Research	Micro satellite which was expected to be indigenously launched.
• Mesbah	Research	65 Kg satellite To be launched in cooperation with Italy
• Zohreh	Communication	Russian-build communication satellite.

## Iran

### Armed Forces

#### Order-of-Battle

Year	2005	2006	2007	2008	2009
<b>General data</b>					
• Personnel (regular)	520,000	520,000	520,000	520,000	520,000
• SSM launchers	40	40	50	60	60
<b>Ground Forces</b>					
• 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)
<b>Air Force</b>					
• Combat aircraft	203 (341)	203 (341)	203 (341)	237 (343)	237 (343)
• Transport aircraft	80 (114)*	80 (114)	101 (125)	101 (125)	101 (125)
• Helicopters	340 (570)*	340 (570)	340 (570)	340 (570)	340 (570)
<b>Air Defense Forces</b>					
• Heavy SAM batteries	29	29	29	29	29
• Medium SAM batteries	+	+	+	6	6
• Light SAM launchers	95	95	95	95	95
<b>Navy</b>					
• Submarines	3	3	6	8	8
• Combat vessels	56	56	56	90	90
• Patrol craft	160	160	160	185	185

\* 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
<b>Total</b>	<b>~520,000</b>	<b>350,000</b>	<b>870,000</b>
<b>Paramilitary</b>			
• 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	
<b>Total</b>	<b>4</b>	<b>12</b>	<b>14</b>	

#### IRGC Formations

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

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

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

## Iran

### APCs/AFVs

Model	Quantity	In service	Since	Notes
<b>APCs</b>				
• M113	200	200	1968	
• Boragh	140	140	1996	Based on estimated production rate of 20 per year
• BTR-50/60	300	300	1967	
• MT-LB	+	+		
Subtotal	~650	~650		
<b>IFVs</b>				
• BMP-1	300	300	1977	
• BMP-2	413	413	1991	Indigenously assembled
Subtotal	713	713		
<b>Reconnaissance</b>				
• Engesa EE-9 Cascavel	35	35	1982	
<b>Total</b>	<b>~1,400</b>	<b>~1,400</b>		

### Artillery

Model	Quantity	In service	Since	Notes
<b>Self-propelled guns and howitzers</b>				
• 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	
• 122mm 2S1	60	~50	1993	
Subtotal	~600	~300		
<b>Towed guns and howitzers</b>				
• 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	

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• 122mm D-30	~500	~500	1982
• 122mm Type 54/60	~100	~100	1990
• 105mm M101	~200	~200	1966
Subtotal	~1,900	~1,900	
<b>Mortars, over 160mm</b>			
• 320 mm	+	+	
<b>Mortars, under 160mm</b>			
• 120mm M-65	+	+	1980
• 107mm (4.2") M-30	+	+	1981
<b>MRLs</b>			
• 240mm Fajr-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	
<b>Rockets</b>			
• 610mm Zelzal-2	+	+	1998
• 355mm Nazeat	+	+	1988
• 333mm Fajr-5	+	+	1998
• 333mm Shahin 2	+	+	1989
<b>Total</b>	<b>~ 3,000</b>	<b>~ 2,700</b>	

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### Ground radars

110D, 110S

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### Logistic and Engineering Equipment

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

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### Precision-Guided Munitions

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

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## Iran

### Air Force

#### Order-of-Battle

Category	Quantity	In service	Notes
Combat	343	237	
Transport	125	101	
Helicopters	570	~340	

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

#### Combat Aircraft

Model	Quantity	In service	Since	Notes
<b>Interceptors</b>				
• F-14A Tomcat	57	44	1972	Being upgraded
• MiG-29	35	35	1990	
Subtotal	92	79		
<b>Multi-role</b>				
• F-4 D/E	67	37	1968	6 of which are RF-4E
• Phantom				
• Mirage F1-E	22	10	1991	
Subtotal	89	47		
<b>Ground attack</b>				
• Su-24	22	22	1991	
• Su-25	13	13	1991	Upgraded
• Saegheh	3	3	2006	
• Azarakhsh	6	6	2000	Indigenously developed; low production rate
Subtotal	44	44		
<b>Obsolete</b>				
• F-7	60	24	1987	
• F-5 A/B/E	58	43	1974	
Subtotal	118	67		
<b>Total</b>	<b>343</b>	<b>237</b>		
<b>Future procurement</b>				
• J-10	24			
• Saegheh	25			Indigenously developed; low production rate
• Su-27				Negotiations with Russia

## Iran

### Transport Aircraft

Model	Quantity	In service	Since	Notes
• Iran-140	5	5	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		
<b>Total</b>	<b>125</b>	<b>101</b>		
<b>Future procurement</b>				
• AN-148	50			
• Tu-204	100			
• Iran-140	45			

Iran

**Training and Liaison Aircraft**

Model	Quantity	In service	Since	Notes
<b>Jet trainers</b>				
• Tazarve	5	5	1999	Indigenously developed; low production rate
• T-33	9	9	1968	
Subtotal	12	12		
<b>Piston/ Turbo-prop</b>				
• 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	Indigenously developed; low production rate
• Pilatus PC-7 Turbo-trainer	45	45	1983	
• Pilatus PC-6	15	15	1982	
Subtotal	167	167		
<b>Total</b>	<b>179</b>	<b>179</b>		
<b>Future procurement</b>				
• Tazarve	25			Indigenously developed; low production rate
• Parastu				Indigenously developed; low production rate

## Iran

<b>Helicopters</b>				
<b>Model</b>	<b>Quantity</b>	<b>In service</b>	<b>Since</b>	<b>Notes</b>
<b>Attack helicopters</b>				
• AH-1J Cobra/ Shabaviz 2091	100	70	1974	
<b>Naval combat</b>				
• ASH-3D	9	9	1977	
• RH-53D/SH-53D	~25	6	1976	
• AB-212/Shaviz 2- 75	6	6	1971	
Subtotal	~ 40	21		
<b>Heavy transport</b>				
• CH-47C Chinook	25	25	1973	
<b>Medium transport</b>				
• 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		
<b>Light transport</b>				
• AB-206 Jetranger /Shabaviz 2061	90	40	1969	Possibly some armed
• IAR-316	12	12	1994	
• IAR-317	+	+		
Subtotal	~105	~55		
<b>Total</b>	<b>~570</b>	<b>~ 340</b>		
<b>Future procurement</b>				
• Shahed-274	20			

## Iran

### Miscellaneous Aircraft

Model	Quantity	In service	Since	Notes
<b>Surveillance</b>				
• RC-130	2	2	1970	
• RF-4E	6	6	1974	
<b>Maritime surveillance</b>				
• 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
<b>Tanker</b>				
• KC-707	3	3	1974	Also listed under Transport Aircraft
• Boeing 747	5	5	1974	Also listed under Transport Aircraft
<b>Target drones</b>				
• Tallah I/II	+	+	1996	
• Saeqeh I/II	+	+	1996	
<b>UAVs</b>				
• Ababil-S	*	*	1999	
• Ababil-T	*	*	1999	
• Mohajer III (Dorne)	+	+	1997	
• Mohajer IV (Hodhod)	+	+	2002	

## Iran

### **Advanced Armament**

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#### **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, Qased

#### **Future procurement**

AA-11 (Archer AAM), AA-12

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

### **Air Force Infrastructure**

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#### **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

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## Iran

### Air Defense Forces

#### Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
<b>Heavy missiles</b>				
• HAWK/MIM-23 B Improved HAWK	~15		1964	
• SA-2 (Guideline) / HQ-2J	~10		1986	May be under control of IRGC
• SA-5 (Gammon)	4		1995	
<b>Total</b>	<b>~30</b>			
<b>Medium missiles</b>				
• SA-6 (Gainful)	+		1974	
• Tor-M1 (SA-15)	6	29	2006	Being delivered
<b>Total</b>	<b>6</b>			
<b>Light missiles</b>				
• Shahab Thaqeb		+	2000	Part of Skyguard ADS
• Rapier		30	1971	To be upgraded
• RBS-70		50	1984	
• Tigercat		15	1968	
<b>Total</b>		<b>95</b>		
<b>Shoulder-launched missiles</b>				
• Iгла (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	
<b>Future procurement</b>				
• S-300 PMU	2			
• Pantsyr		10		Alleged

## Iran

### Other Air Defense Systems

Model	Quantity	In service	Since	Notes
<b>Air defense systems (missiles, radars and guns)</b>				
• Skyguard ADS	24	24		Including 35mm guns and missiles
<b>Short-range guns</b>				
• 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	
<b>Total</b>	<b>940</b>	<b>940</b>		
<b>Radars</b>				
• JY-14	+	+	1998	
• AR-3D	+	+		
<b>Future procurement</b>				
• Kolchuga				Alleged

## Iran

### Navy

#### Submarines

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
<ul style="list-style-type: none"> <li>Kilo class (Type 877)</li> </ul>	3	73.8/3,076	Sagheb (C-801) SSMs 6x533 torpedoes 24 mines
<b>Midget submarines</b>			
<ul style="list-style-type: none"> <li>Nahang</li> </ul>	1	25m	Indigenously build
<ul style="list-style-type: none"> <li>Ghadir (Yono IS 120)</li> </ul>	4	29/123	North Korean design

#### Combat Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
<b>Missile frigates</b>			
<ul style="list-style-type: none"> <li>Alvand class (Vosper Mk 5)</li> </ul>	4	94.5/1,100	4xC-802 SSM 1xMK-10 ASW mortar 6x324mm torpedoes 1x114mm gun 2x35mm guns 3x20mm guns
<b>MFPBs</b>			
<ul style="list-style-type: none"> <li>Kaman class (Combattante II)</li> </ul>	13	47.0/249	4xC-802/Harpoon SSMs Standard SAMs 1x76mm gun 1x40mm gun 3 based in the Caspian sea
<ul style="list-style-type: none"> <li>Thondor class (Houdong)</li> </ul>	10	36.6/171	4xC-802 SSMs 2x30mm guns
<ul style="list-style-type: none"> <li>Mk 13</li> </ul>	10	14m	2xFL-10 SSMs 2x324mm torpedoes
<ul style="list-style-type: none"> <li>China cat (C-14) class</li> </ul>	9	13.7/17.0	4xC-701/FL-10 SSMs 2x25mm guns
Subtotal	42		
<b>Gun corvettes</b>			
<ul style="list-style-type: none"> <li>Bayandor class (PF-103)</li> </ul>	2	84/900	2x76mm guns 2x40mm guns 2x20mm guns
<b>Light torpedo boats</b>			
<ul style="list-style-type: none"> <li>Kajami (Taedong B)</li> </ul>	3	21/30	Semi-submersible fast attack vessel
<ul style="list-style-type: none"> <li>Tir class</li> </ul>	10	20.0/30	1xNoor (C-802) SSM 2x torpedoes

## Iran

• Peykaap 2	11	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	42		
<b>Total</b>	<b>90</b>		
<b>Future procurement</b>			
• 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
• MIG-S-2600	6	26.2/85	1x107mm MRL 2x23mm guns
• 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	5	16/17.5	1x107mm MRL 1x23mm gun 1x12.7mm MG
• PBI (Peterson)	30	15.2/20.1	1xTigercat SSM 2x12.7mm MGs
• US Mk II	6	15.2/22.9	2x12.7mm MGs
• Boghammar	30	13 /6.4	1x107mm MRL 1x106mm RCL 3x12.7mm MGs RPG-7 ATRs
• MIL 40 Inshore Patrol Craft	2	12.9/6	1x12.7mm MG

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• 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 ATRLs 12x107mm MRL
• Ashoora (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
<b>Total</b>	<b>~185</b>		

### Landing Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• Wellington hovercraft (BH-7)	6	23.9/53.6	
• 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
<b>Total</b>	<b>24</b>		

### Auxiliary Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• Delvar support ship	6	64/890	765 dwt 2x23mm guns
• Bandar Abbas - Luh-ring Yard supply ship	2	108/4,673	3,250 dwt 1 AB 212 helicopter 3x20mm guns
• Kangan (Mazagon) water tanker	4	148/12,000	9,430 dwt 2x23mm guns
• Kharg (Swan Hunter) replenishment ship	1	207.2/33,014	9,367 dwt 3 Sea-king helicopters 1x76mm gun

## Iran

• Hamzah support vessel	1	53.7/530	2x23mm guns 4xC-802 SSMs 1x20mm gun
• Hendijan (MIG-S-4700)	12	50.8/460	40 ton on deck and 95m <sup>3</sup> liquid
• MSC 292 and MSC 268	1	44.5/384	Former acoustic and magnetic sweep used as diving tenders
• Kialas-C-Qasam	2	65 t.	Training vessels
• Damen 1550	10	16/25	

### Special Maritime Forces

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Sabehat 15/ SDV	5	8	Swimmer Delivery Vehicle, serviceability unknown

### Coastal Defense

Type	Batteries	Missiles	Notes
<b>C<sup>3</sup>I systems</b>			
• Hodhod	+		Integrating data from infrared, CCD cameras, and radars into regional control centers
<b>Missiles</b>			
• HY-2 (Silkworm)	5	300	
• C-801/ 802	15 - 25	~100	
• SS-N-22 (Sunburn)	1		Alleged; probably non-existent
<b>Total</b>	<b>25-30</b>	<b>400</b>	

### Naval Infrastructure

<b>Naval bases</b>	<b>9</b>
Bandar Abbas, Bandar Anzelli, Bandar Khomeini, Bandar Lengeh, Bushehr, Chah Bahar, Farsi Island, Jask, Kharg Island	
<b>IRGC naval bases</b>	<b>11</b>
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	
<b>Ship maintenance and repair facilities</b>	<b>1</b>
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