

Turkey

19. TURKEY

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Major Changes

- A new order shortened the mandatory conscription into the Turkish armed forces. This order eliminated some 73,000 active duty soldiers.
 - The Turkish air force received its first two Airbus A400 transport aircraft – out of 10 ordered, after long delays.
 - The Turkish navy commissioned its second Milgem project ASW corvette – the Buyukada. The navy also received its 5th CN-235 maritime patrol aircraft.
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General Data

Official Name of the State: Republic of Turkey

Head of State: President Recep Tayyip Erdoğan

Prime Minister: Ahmet Davutoğlu

Minister of National Defense: Ismet Yılmaz

Chief of General Staff: General Necdet Özel

Commander of the Ground Forces: General Hulusi Akar

Commander of the Air Force: General Akin Ozturk

Commander of the Navy: Admiral Bulent Bostanoglu

Area: 780,580 sq. km.

Population: 73,300,000

Foreign Military Cooperation

Type	Details
• Military forces	Afghanistan (1,800 troops in ISAF) , Cyprus (35,000

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Type	Details
deployed abroad	troops), northern Iraq (1,000 troops), Israel (TIPH), Lebanon (UNIFIL), Somalia (CTF-151)
<ul style="list-style-type: none"> Foreign forces Joint maneuvers 	1,985 US troops (as of September, 2014), 400 German troops, 350 Dutch troops. China (2010), Egypt (2011), India (2011), Jordan (2010), Pakistan (2012), Syria (2010), UAE (2010), US (2012); Spain, USA, Germany (2013), USA, Pakistan, UK, Canada, Spain, Germany (2014), Romania, Bulgaria, Ukraine, Italy, Azerbaijan, Georgia, Germany (2013)
<ul style="list-style-type: none"> Security agreements 	Bosnia (2003), Chile (2004), Croatia (2001), France, Georgia (2001), Kazakhstan (2000), Kuwait (2009), Latvia, Mauritania (2005), Oman (2001), Pakistan (2003), Saudi Arabia (2010), Syria (2009), Somlia (2012)

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
EU	<ul style="list-style-type: none"> Cooperation in arms production 	Participation in the A400M transport aircraft program (2011)
France	<ul style="list-style-type: none"> Arms transfers 	AMASCOS Naval C ³ I system (2012)
Germany	<ul style="list-style-type: none"> Arms transfers 	Leopard 2A4 MBTs (2009), Type 214 submarines (2009), Leguan AVLBs (2009)
Israel	<ul style="list-style-type: none"> Arms transfers Cooperation in arms production 	Heron UAVs (2012), Dominator UAV (leased 2010), Awacs equipment (2013), upgrading of M60 tanks (2009), Kirpi MRAP (2010)
Italy	<ul style="list-style-type: none"> Arms transfers Cooperation in arms production 	ATR-72 ASW aircraft (2011), Gokturk satellite (2009), Sirio-class OPVs (2009), T129 Mangusta (2011), C-27J (2010)
Japan	<ul style="list-style-type: none"> Arms transfers 	TurkSat 4A/B (2011)
Saudi Arabia	<ul style="list-style-type: none"> Arms transfers 	C-130E aircraft (2011)
South Korea	<ul style="list-style-type: none"> Cooperation in arms production 	KT-1 aircraft (2010), XK-2 MBTs (2008), KF-X (2010)
US	<ul style="list-style-type: none"> Arms transfers 	F-16 C/D aircraft (2009), S-70B Seahawk helicopters (2012), Boeing 737 AEW aircraft (2012), upgrading of F-16 aircraft (2010), ALQ-211 AIDEWS EW systems (2009), CH-47F Chinook helicopters (2011), AAQ-33 Sniper pods (2010), AH-1W Cobra helicopters (2012), AAQ-13 LANTIRN ER pods (2010), upgrading of

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Country	Type	Details
		KC-135 tankers (2010), Patriot PAC-3 (2010), F-35 JSF (2012), Bell 429 helicopters (2012), King Air 350 ISR aircraft (2012)
	<ul style="list-style-type: none"> • Cooperation in arms production 	T-70 Blackhawk Helicopters (2014)

Arms Sales and Security Assistance Extended

Country	Type	Details
Afghanistan	<ul style="list-style-type: none"> • Military training 	Instructors in country (2010), Training of Afghan cadets in Turkey (2010)
Azerbaijan	<ul style="list-style-type: none"> • Arms transfers 	TR-107, TR-122 MRLs (2011), Turna UAVs (2010) Cobra APCs (2011), 155mm Firtina SP guns (2012)
Bahrain	<ul style="list-style-type: none"> • Arms transfers 	Cobra APCs (2010), Arma APCs (2011)
Bangladesh	<ul style="list-style-type: none"> • Arms transfers 	Cobra APCs (2010)
Egypt	<ul style="list-style-type: none"> • Arms transfers 	M RTP-20 BPs (2011)
Germany	<ul style="list-style-type: none"> • Facilities 	Positioning of 2 Patriot PAC-3 batteries on the Turkish border (2012)
Georgia	<ul style="list-style-type: none"> • Arms transfers 	Ejder APCs (2009), MRTP-33 PBs (2009)
Kazakhstan	<ul style="list-style-type: none"> • Cooperation in arms production 	Aselflir (2011), Cobra APCs (2012)
Krg	<ul style="list-style-type: none"> • Military training 	Training the Peshmerga forces (2014)
Malaysia	<ul style="list-style-type: none"> • Arms transfers 	Pars APCs (2011), MRTP-16 PBs (2011)
NATO	<ul style="list-style-type: none"> • Facilities 	HQ LANDSOUTHEAST, HQ 6 ATAF
Netherlands	<ul style="list-style-type: none"> • Arms transfers • Facilities 	Mounted Stinger SAMs (2009) Positioning of 2 Patriot PAC-2 batteries on the Turkish border (2012)
PA	<ul style="list-style-type: none"> • Military training 	Training Hamas Internal Security forces (2010)
Pakistan	<ul style="list-style-type: none"> • Arms transfers 	Upgrading of F-16 aircraft (2010), Kaan-33 and Kaan-15 PBs (2011), Aiding the construction of a tanker (2013)
Philippines	<ul style="list-style-type: none"> • Military training 	Pilots training in Turkey (2012)
Qatar	<ul style="list-style-type: none"> • Arms transfers 	ACV APCs (2010)
Romania	<ul style="list-style-type: none"> • Arms transfers 	Gozcu UAVs (2011), Bayraktar UAVs (2012)
Saudi Arabia	<ul style="list-style-type: none"> • Arms transfers 	SNR-17 patrol boats (2010)
Slovenia	<ul style="list-style-type: none"> • Arms transfers 	Upgrading of M113 APCs (2011)
Somailia	<ul style="list-style-type: none"> • Arms transfers 	Cobra APCs (2009)
South Korea	<ul style="list-style-type: none"> • Military training 	train Somali soldiers and build military bases (2012)
Syria	<ul style="list-style-type: none"> • Arms transfers 	EW training range (2012)
Turkmenistan	<ul style="list-style-type: none"> • Military training • Arms transfers 	Military taining of Syrian rebels (2014) NTPBs (2012)

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Country	Type	Details
UAE	<ul style="list-style-type: none"> • Arms transfers 	TR-122 MRLs (2009), MRTP-16 PBs (2011), Pars APCs (2011) , Patriot PAC-3 (2011)
US	<ul style="list-style-type: none"> • Cooperation in arms production • Facilities 	Participation in JSF program (2009) Use of air bases in Incirlik and Konya, Positioning of TPY-2 radar (2011), Positioning of 2 Patriot PAC-2 batteries on the Turkish border (2012)

Defense Production

	M	P	A
Weapons of mass destruction			
• Chinese WS-1 rockets		√	
• NBC protection suites	√		
Army equipment			
• 107mm, 122mm and 300mm Kasirga MRLs	√	√	
• 120mm SP mortars	√		
• 155mm Panter (towed) and 155mm Firtina SP guns	√		
• 25mm guns			√
• Akrep, Cobra, Dragon, Ejder, Kaya, Land Rover, Pars, and Otokar APC armored vehicles	√		
• Altay (XK-2) MBTs		√	
• Dalkilic, Peri, Talos UGV	√		
• FNSS ACVs and AIFVs	√		
• Hellfire ATGM mounted on ACVs	√	√	
• J-600T Yildirim artillery rockets	√	√	
• Kirpi MRAP		√	
• National HET tank transporters		√	
• OTMAS, UTMAS ATGMs	√	√	
• PARS AAB and AZMIM AECV vehicles	√		
• Piranha II and Fennek AFVs			√
• Toros 230mm and 260mm MRLs	√	√	
• Transforming of M48T5 into ARV and AEV vehicles	√	√	
• Trucks and wheeled tactical vehicles	√		
• Upgrade of 105mm and 155mm SP guns	√		
• Upgrading of Leopard-1/ 2 and M60 MBTs	√		√
Air Force equipment			
• 35mm Oerlikon SPAAGs	√	√	
• Aeroseeker, Bayraktar, Caldiran, Karayel, Malazgirt, Mosquito, Turna, and X2 UAVs	√		
• Anka UAVs	√		
• Bora, Atiligan and Zipkin, LALADMIS air defense systems	√	√	
• Cirit laser-guided rockets	√		

Turkey

	M	P	A
• CN-235 light transport aircraft		√	
• Cougar helicopters		√	
• F-16 aircraft		√	
• Fight simulators for AS-532, CN-235, F-16, F-4, KT-1T, S-70 aircraft	√	√	
• Global Observer			√
• HGK, GGB GPS-guided bombs	√		
• Jet engines		√	
• Modification of S-2E, CN-235, and ATR-72 maritime patrol aircraft		√	
• NEB Laser-guided penetration bomb	√		
• Participation in production of MD Explorer helicopter		√	
• Participation in production of PAC-3 SAMs for the UAE		√	
• Participation in the production of A-400M and F-35 JSF aircraft		√	
• Paveway II Laser-guided bombs		√	
• Popeye AGM missiles		√	
• Production of fuselage for AB 139 helicopter		√	
• Rapier surface-to-air missiles		√	√
• SF-260D, KT-1 and Hurkus basic trainers		√	
• SOM ALCM	√		
• T-70	√		
• T129 Mangusta attack helicopters		√	
• Upgrading of C-130 aircraft		√	
• Upgrading of F-16 , F-4E and F-5 aircraft			√
• Upgrading of T-38 training aircraft	√		
Naval equipment			
• Atilay class submarines			√
• Berk class missile frigates			√
• Gur class submarines		√	
• Kilic-2 class MFPBs		√	
• LCT, LST, LPD	√		
• MHV 55 Minehunters		√	
• Milgem, TF-2000 corvettes	√		
• Osman Gazi landing craft			√
• Sea Sentor SSTD anti-torpedo defense system		√	
• Ship Logisite	√		
• Sirio class OPVs		√	
• Torpedoes	√		
• Towing vessels (RATSHIP), submarine rescues ship (MOSHIP)	√		
• Type 214 submarines		√	
• Yildiz class and Dogan class MFPBs			√
• Yonca, Dearsan PBs	√		

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	M	P	A
Electronics			
• ADOP, BAIKS, Volkan fire-control systems	√		
• ADR, D-IX, Kalkan 3D, P-STAR, and TRS-22XX air surveillance radars	√	√	
• Aerial mission control computer	√		
• ALQ-178 (V) EW systems for F-4s and F-16s		√	
• ARS-2000 Ground surveillance radars	√		
• AselFLIR-200/300 thermal imaging systems	√		
• Aselpod Targeting pod	√		
• C ³ I systems		√	
• ECM systems for helicopters		√	
• EW training range	√		
• HF/SSB radios		√	
• JAMINT airborne jamming system	√		
• Land-based and naval EW sets	√		
• MARS V observation and surveillance system	√		
• Navigation systems	√		
• Sonar systems	√		
• SyAR SAR system for UAVs	√		
• Tactical communication systems	√	√	
Optronics			
• Laser range-finders	√		
• Night-vision equipment	√	√	
• Optical targeting devices/ FLIR		√	
Satellites			
• BILSAT remote sensing satellite	√		
• ITUpSAT research satellite	√		
• RASAT remote sensing satellite	√		
• TURKSAT civilian communication satellite	√		

Note: M - manufacture (indigenously developed)

P - production under license

A - assembly

Strategic Assets

NBC Capabilities

Nuclear capability

One 5Mw TR-2 research reactor at Cekmerce and one 250kw ITV-TRR research reactor at Istanbul. Turkey intends to Build a 1,200Mw reactor in Akuyu . As a member of NATO, nuclear weapons were deployed in Turkey in the past, and might be deployed again.

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

Chemical weapons and protective equipment

Personal protective suits; portable chemical detectors; Fox detection vehicles.

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Party to the CWC.

Biological weapons

No known BW activity. Party to the BWC.

Ballistic Missiles

Model	Launchers	Missiles	Since	Notes
• ATACMS	12	72	1997	Using MLRS launchers
• J-600T Yildirim	6	+	2007	
Future procurement				
• SSM				Indigenously developed missiles with 2,500km range.

Space Assets

Model	Type	Notes
Ground stations		
• BILTEN	Remote sensing	Receiving imagery from Bilsat
• SAGRES	Remote sensing	Receiving imagery from SPOT, ERS, RADARSAT and NOAA
Satellites		
• ITUpSat-1	Research	Private research satellite, indigenously built.
• Turksat	Communication	Both civilian and military; 2A and 3A and 4A are currently in orbit.
• Bilsat	Remote sensing	120kg payload, 686 km orbit, 12m resolution Earth observation civilian satellite
• RASAT	Remote sensing	Multispectral camera, 690 km orbit, 7.5m resolution Earth observation satellite
• Göktürk-2	Reconnaissance	Multispectral camera, 690 km orbit, 2.5m resolution earth observation satellite
Satellite imagery		
• Ikonos	Reconnaissance	commercial satellite imagery
Future procurement		

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Command and Control Assets

Name	Description
Air defense	
TICCS	National Early warning radar system, linking regional and national air defense command centers.
Sky Watcher (HERIKKS)	Command and control system for AD assets. Providing early warning, and distributing threats and targets between AD batteries.
Naval surveillance	
IMSS (MELTEM)	Costal surveillance radars and patrol aircraft, linked to regional and national command centers.
Border security	
Integrated Border Management	Infrared and CCD sensors deployed along the border, linked to regional command centers. 390 border patrol stations.

Armed Forces

Order-of-Battle

Year	2010	2011	2012	2013	2014
General data					
• Personnel (regular)	421,000	421,000	421,000	421,000	348,000
• SSM launchers	18	18	18	18	18
Ground Forces					
• Divisions	3	3	3	3	3
• Total number of brigades	55	55	55	55	55
• Tanks	2,890 (4,460)	2,890 (4,460)	2,890 (4,460)	2,890 (4,460)	2,890 (4,460)
• APCs/AFVs	6,733	6,800	6,800	6,800	6,800
• Artillery (including MRLs)	4,500 (4,800)	4,500 (4,800)	4,500 (4,800)	4,500 (4,800)	4,500 (4,800)
Air Force					
• Combat aircraft	355 (399)	365 (388)*	388	388	388
• Transport aircraft	92	92	92	92	92
• Helicopters	409 (427)	348 (426)*	345 (422)	345 (422)	345 (422)
Air Defense Forces					
• Heavy SAM batteries	24	16*	22	22	22
• Light SAM	196	200	238	238	2012

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Year	2010	2011	2012	2013	2014
launchers					
Navy					
• Submarines	14	14	14	14	3481,000
• Combat vessels	69	69	69	69	18
• Patrol craft	98	98	98	98	

* Due to change in estimate

Personnel

	Regular	Reserves	Total
Ground Forces	331,000	258,000	496,000
Air Force	59,000	65,000	124,000
Navy	45,000	55,000	107,000
Total	435,000	378,000	727,000
Paramilitary			
• Coast Guard	3,200		3,200
• Gendarmerie/ National Guard	100,000	50,000	150,000

Ground Forces

Formations

	Corps / armies	Divisions	Independent brigades / groups	Independent battalions	Brigades in divisions
All arms	4 armies 9 corps				
Armored Mechanized		2	14 17		1 armd., 2 mech., 1 aty. each
Infantry		1	9		4 inf., 1 aty. each
Commando Presidential Guard			6 1 (reg.)		
Border Defense			5 (reg.)	26	
Coastal Defense (reserve)			4	23	
Marines			1		
Total		3	55	49	

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Tanks

Model	Quantity	In service	Since	Notes
MBTs				
High quality				
• M60T Sabra	170	170	2007	Being upgraded from existing M60A3
• Leopard 2A4	300	300	2006	Form German drawdown
Subtotal	470	470		
Medium and low quality				
• Leopard 1T	170	170	2009	Locally upgraded
• Leopard A1/A3	220	220	1982	
• M60 A1/A3	730	730	1992	
• M48T	2,870	~1,300	1984	Some possibly in storage
Subtotal	3,990	2,420		
Total	4,460	2,890		
Future procurement				
• XK-2 Altay	250			Prototype by 2014
• Leopard 2A4	40			Under negotiation

APCs/AFVs

Model	Quantity	In service	Since	Notes
APCs				
• ACV AAPC	1,700	1,700	1997	
• BTR-80	240	240	1993	
• BTR-60	340	340	1991	
• Kirpi MRAP	303	303	2011	
• M113 A1/A2T2	2,815	2,815	1975	
• S-55	40	40	1995	
Subtotal	5,205	5,205		
IFVs				
• Condor	25	25	1988	
• UR-416	35	35	1984	
• ACV AIFV	868	868	1997	Including 170 AMVs and 48 ATVs
Subtotal	928	928		
Light Armored Vehicles				
• Cobra	410	410	2002	
• Akrep	260	260	1994	
Subtotal	670	670		

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Model	Quantity	In service	Since	Notes
Total	~6,800	~6,800		
Future procurement				
• Cobra	400			To be delivered by 2013.

Artillery

Model	Quantity	In service	Since	Notes
Self-propelled guns and howitzers				
• 203mm M110	219	219	1981	
• 203mm M-55	9	9	1978	
• 175mm M107	36	36	1976	
• 155mm Firtina	180	180	2003	
• 155mm M44T	222	222	1992	
• 155mm M52T	365	365	1995	
• 105mm M108	26	26	1982	
Subtotal	1,057	1,057		
Towed guns and howitzers				
• 203mm M115	162	162	1983	
• 155mm Panter	24	24	2002	
• 155mm M114	517	517	1979	
• 155mm M59	171	0	1975	
• 150mm Skoda	128	0	1976	
• 105mm M101/ M102	640	640	1974	
Subtotal	1,642	1,343		
Mortars, under 160mm				
• 120mm	578	578	1981	
• 107mm M30	1,265	1,265	1974	
• 107mm M106 SP	+	+	1984	
• 81mm AMV SP	170	170	1997	Mounted on ACV
Subtotal	~2,050	~2,050		
Rockets				
• 302mm TR-300 Kasirga	30	30	2000	Variant of Chinese WS-1 rockets.
MRLs				
• 227mm MLRS	12	12	1988	
• 122mm T-122	+	+		
• 107mm T-107	48	48	1975	
Subtotal	~70	~70		
Total	~4,850	~4,550		

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Model	Quantity	In service	Since	Notes
Future procurement				
• 155mm Firtina SP2000/ 155mm K9	300			Delivery in progress

Ground Surveillance

Model	Quantity	In service	Since	Notes
Artillery/mortar locating radars				
• AN/TPQ- 37	4	4	1997	
• AN/TPQ- 36	7	7	1988	
• Stentor	5	5	1988	
• Blindfire	13	13	1996	
• Cobra	2	2	2006	
Surveillance Radars				
• ARS-2000	+	+	1996	
Optical Surveillance				
• BAA	150	150	2003	

Logistic and Engineering Equipment

Mine laying and clearing, bar mine-clearing system, Leguan AVLBs (36),M48 AECVs (20), National HET , Pars AVLBs (52), Husky VMMDs (4)

Future procurement

AZMIM AECV (12), Scania HET (45), Firtina AARV (70)

Anti-Tank Missiles

Model	Launchers	Missiles	Since	Notes
• Kornet-E (AT-14)	80	800	2009	
• Milan	392	+	1984	
• TOW SP	365	+	1980	48 of which are on ACV ATV
• Cobra	186	+	1977	
Total	1,023			

Air Force

Order-of-Battle

Category	Quantity	In service	Notes
Combat	387	387	
Transport	92	92	
Helicopters	422	345	

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Combat Aircraft

Model	Quantity	In service	Since	Notes
Advanced multi-role				
• F-16C/D	241	241	1987	165 aircraft to be upgraded locally.
Multi-role				
• F-4E 2020	49	49	1999	listed also as reconnaissance
• F-4E	38	38	1973	
Subtotal	88	88		
Obsolete				
• F-5A/B	58	58	1965	
Total	387	387		
Future procurement				
• F-35 JSF	2			Delivery in 2019; Total requirement for 100 aircraft
• F-16 CCIP	165			Upgrading of existing aircraft, to be completed by 2014.

Transport Aircraft

Model	Quantity	In service	Since	Notes
• C-160D	18	18	1971	Some in EW role
• C-130E	7	7	1964	To be upgraded
• C-130B	6	6	1991	To be converted to EW role
• A-400M	2	2		8 more to be delivered to begin until 2018.
• Citation (VIP)	5	5	1985	
• CN-235	56	56	1991	2 employed in EW role, further 9 in MP.
Total	93	93		
Future procurement				
• C-130E	6			From Saudi drawdown
• ATR 72-600TMUA	2	2		
• CN-235	9			
• A-400M	9			8 more to be delivered to

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Model	Quantity	In service	Since	Notes
begin until 2018.				

Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
Jet trainers				
• F-5 2000	45	45	2002	
• T-38M	1	1	2012	Locally upgraded
• T-38 (F-5)	70	70	1965	
• Cessna 318 (T-37)	55	55	1960	To be phased out by 2013
Subtotal	170	170		
Piston/Turbo-prop				
• KT-1T	40	40	2010	Being delivered
• TB-20	7	7	2000	
• SF-260D	39	39	1990	
• Cessna 172 (T-41)	51	51	1972	26 with Army Aviation
Subtotal	100	100		
Total	272	272		
Future procurement				
• T-38M	55			Upgrading of existing aircraft

Helicopters

Model	Quantity	In service	Since	Notes
Attack				
• AH-1W/P	29	29	1990	With Army Aviation
Medium transport				
• AS-532 Cougar	47	47	1995	26 With Army Aviation
• T-129	5	5		In service
• Mi-17	18	0	1995	With gendarmerie
• S-70A Blackhawk	80	80	1992	35 with gendarmerie
• AB-412EP	14	14	2003	With Coast Guard
• T129	9	9		
• UH-1H/AB-204/AB-205	139	80	1966	Including 3 with Naval Aviation
• Bell 429	7	7		
Subtotal	298	221		
Light transport				
• MD 600N	10	10	2005	With Police
• AB 206	32	32	1968	3 with Coast Guard
• H-300C	28	28	1982	With Army Aviation

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Model	Quantity	In service	Since	Notes
• OH-58B	3	3	1994	With Army Aviation
Subtotal	73	73		
Naval attack				
• AB-212	14	14	1985	12 with Navy, in ASW role and 2 with Army Aviation
• S-70B Seahawk	8	8	2002	
Subtotal	22	22		
Total	422	345		
Future procurement				
• T-70 Blackhawk	109			Signed contract
• Bell 429	15			For Police air wing
• CH-47F Chinook	6			Delivery beginning in 2013
• T129 Mangusta	59			Delivery beginning in 2013, option for 41 additional
• S-70B Seahawk	16			Delivery by 2013

Miscellaneous Aircraft

Model	Quantity	In service	Since	Notes
Reconnaissance				
• RF-4E	11	11	1977	Also listed under Combat Aircraft
ELINT/EW				
• C-160 EW	+	+	1990	Also listed under Transport Aircraft
• Boeing 737 AEW	3	3		
• CN 235 MP	2	2	1991	Also listed under Transport Aircraft
• King Air 350 ISR	1	1	2012	On lease from USA
Maritime surveillance				
• CN-235 MP	9	4	2007	
• Maule MX 7	1	1	1993	With Coast Guard
• ATR 72-600TMPA	6	6		
Tankers				
• KC-135R	7	7	1995	Being upgraded
UAVs				
• Heron UAVs	10	7	2008	

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Model	Quantity	In service	Since	Notes
• MQ-1 Predator	4	4	2011	Operated by US military
• Harpy attack drones	108	108	2002	
mini-UAVs				
• Malazgirt mini-UAVs	2	2	2010	With Gendarmerie
• Gnat 750	2	2	1994	
• Bayraktar mini-UAVs	78	78	2010	
Subtotal	200	200		
Target drones				
• Turna	+	+	2001	
Future procurement				
• Anka UAVs	10			
• ATR-72 ASW	10			Delivered by 2012
• Boeing 737 AEW	7			Delivery in 2012
• Caldiran UAVs	12			Delivery in 2014
• Karayel	6			
• King Aie 350 ISR	5			On lease from USA
• Bayraktar Tactical UAS				

Advanced Armament

Air-to-air-missiles

AIM-7E Sparrow (690), AIM-9E/F Sidewinder (210), AIM-9J/M/S/P Sidewinder (1,460), AIM-9X sidewinder (127), AIM-120 AMRAAM (138)

Air-to-ground-missiles

AGM-65 A/G/F Maverick (300), AGM-84K SLAM-ER (57), AGM-88 HARM (100), AGM-142 Popeye/II (100), AGM-154 JSOW (104), BLU-107 Durandel (523), CBU-97 WCMD (100), Cirit Laser-guided rocket (100), Hellfire II (200), JDAM (500), Penguin SSM (16), Sea Skua (36)

Avionics

AAQ-13 LANTIRN (24), ALQ-178 SPEWS-2 ECMs (146)

Future procurement

ALQ-178 (V) ECMs (80), AIM-9X sidewinder (105), Mk-54 Lightweight Torpedoes (100), AWW-13 data-link pods (10), ALQ-211 AIDEWS ECMs (30), Aselpod reconnaissance pods, AIM-120 AMRAAMs (107), AAQ-33 SNIPER pods (30), Utmas ATGM, AAQ-13 LANTIRN ER (30), SOM ALCM

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

Turkey

Air Force Infrastructure

Military airfields 23

Adnan-Menderes, Afyon, Akhisar, Akinci, Ankara-Güvercinlik, Balikesit, Bandirma, Dalaman, Diyarbakir, Elazig, Erhac, Erkilet, Erzincan, Eskisehir, Istanbul-Sarigazi, Izmir-Kaklic, Kayseri, Konya, Malatya, Merzifon, Murted, Yalova, Yesilkoy

Air Defense Forces

Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
Heavy missiles				
• MIM-104 Patriot PAC-2/3	6		2013	Deployed and operated by NATO forces from Germany, Netherlands, and USA.
• MIM-23 I-Hawk PIP-2	8		2006	
• Nike Hercules	8		1970	8 squadrons, 24 batteries; Operational status doubtful
Total	22			
Light missiles				
• Rapier B1X		78	1999	Upgraded
• Zipkin/ Atilgan		158	2004	Stinger SP
Total		236		
Shoulder-launched missiles				
• Stinger		108	1991	
• Redeye		790	1986	
Total		~900		
Future procurement				
• LALADMIS	72			

Other Air Defense Systems

Model	Quantity	In service	Since	Notes
Air-defense systems				
• ADOP-2000 FCS	+	+	2010	Locally produced FCS
Short-range guns				
• 40mm L60/70	800	800	1970	
• 40mm T1	40	40		

Turkey

Model	Quantity	In service	Since	Notes
• 40mm M42 A1 SP	260	260	1976	
• 35mm GDF-003	120	120	1984	
• 20mm GAI-DO1	440	440	1975	
Total	1,660	1,660		
Radars				
• AN/FPS-117	1	1	1993	
• AN/TPS-59	+	+		
• AN/TPY-2	1	1	2011	Operated by US military.
• HR-3000 (HADR)	3	3	1990	
• Kalkan 3D	+	+	2010	Being delivered
• MPQ-64 Sentinel	9	9	1998	
• TRS-2100 (Tiger)	2	2	1988	
• TRS-22XX	14	14	2001	
• TRS-2000	4	4	1999	
• RAT-31DL	4	4	2001	Being upgraded
Future procurement				
• 35mm SPAAG	2			Developed by Aselsan
• Kalkan 3D	13			Being delivered
• P-STAR	+			

Navy

Submarines

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Atilay (Type 1200)	6	61.2/1,185	8x533mm torpedoes
• Gur (Type 1400)	4	62/1,586	2xSub Harpoon SSMs 8x533mm torpedoes mines
• Preveze (Type 1400)	4	62/1,586	2xSub Harpoon SSMs 8x533mm torpedoes mines
Total	14		
Future procurement			
• Type 214	6		Deliveries beginning 2015

Turkey

Combat Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
Frigates			
<ul style="list-style-type: none"> Barbaros (MEKO 200 track II-A/B) 	4	116.7/3,350	Being upgraded with Genesis and ESSM 1xAB-212 ASW helicopter 8xHarpoon SSMs 2xSeasparrow 8 SAMs 6x324mm torpedoes 1x127mm gun 3xOerlicon 25mm AD gun
<ul style="list-style-type: none"> Yavuz (MEKO 200) 	4	115.5/2,414	1xAB-212 ASW helicopter 8xHarpoon SSMs 6x324mm torpedoes 8xSeasparrow SAMs 1x127mm gun 3xOerlicon 25mm AD guns
<ul style="list-style-type: none"> Gaziantep (Oliver Perry class) 	8	135.6/3,638	Being upgraded with Genesis and ESSM 1xS-70B ASW helicopters 4xHarpoon SSMs 36xStandard SAMs 6x324mm torpedoes 1x76mm gun 1x20mm Phalanx AD gun
<ul style="list-style-type: none"> Tepe (Knox class) 	1	134/3,011	1xAB-212 ASW helicopter 8xHarpoon SSMs 1xASROC Mk112 8 torpedo launcher 4x324mm torpedoes 1x20mm Vulcan Phalanx AD gun 1x127mm gun
<ul style="list-style-type: none"> Burak (d'Orves Type 69A) 	6	80.5/1,175	2xMM 38 Exocet SSMs 2xMistral SAMs 1x100mm gun 2x20mm guns 4xECAN L5 torpedoes 1x Creusot 375mm Mk54 ASW mortar

Turkey

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
Subtotal	23		
Corvettes			
• Heybeliada (Milgem) class	2	99.5/2,300	Being delivered 1x helicopter deck
MFPBs			
• Doğan class	8	58.1/436	8xHarpoon SSMS 1x76mm gun 2x35mm guns
• Kiliç class	8	57.8/433	8xHarpoon SSMS 1x76mm gun 2x40mm gun
• Yıldız class	2	57.8/433	8xHarpoon SSMS 1x76mm gun 2x35mm guns
• Kartal (Jaguar class)	8	42.5/160	2-4xPenguin SSMS 2x533mm torpedoes 2x40mm guns 4 mines
Subtotal	26		
Mine warfare vessels			
• Aydın MHV-54 (Type 332MJ)	6	54.5/715	1x30mm gun Type 2093 active sonar PAP 104 Mk 5 mechanical sweep
• Edincik (Circé class)	5	50.9/495	1x20mm gun Mintac Robot seeker/ destroyer DUBM 20B active sonar
• Silifke class (MSC 289)	5	43/320	2x20mm guns UQS-1D Sonar
• Foça (Cove class)	4	34/180	1x12.7 MG
Subtotal	20		
Total	69		
Future procurement			
• TF-2000	6	6,000 ton	Delivery to begin in 2018
• Milgem AD corvetes	2	99.5/2,300	Being delivered. Total requirement for 12 vessels.

Patrol Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Dost (Sirio class) OPV	2	88.6/1700	Being delivered 1xAB 412 helicopter

Turkey

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Tuzla (P 1200 NTPB)	2	55.8/400	1x76mm gun 2x25mm guns Being delivered 1xAselsan ASW mortar 2x40mm guns 2x12.7mm MGs
• Hisar class (PC – 1638)	1	53/325	Simrad SP92 sonar 1x Mk 15 Hedgehog ASW rocket launchers 1x40mm gun 4x20mm guns
• Trabzon class	1	50/370	1x40mm gun 2x12.7mm MGs
• Karamürsel (Vegasack class)	5	47.3/362	2x20mm guns
• Turk class	6	40.2/170	1x Mk 20 Mousetrap ASW rocket launcher 2x40mm guns 1x20mm gun 2x12.7mm MGs
• PGM-71 class	4	30.8/130	2x Mk 22 Mousetrap ASW rocket launchers 1x40mm gun 4x20mm guns
• Taskizak (Large patrol craft)	13	40.7/195	1x40mm gun 2x12.7mm MGs (with Coast Guard)
• Gölcük (Large patrol craft)	14	40.2/180	1x40mm gun 2x12.7mm MGs (with Coast Guard)
• SAR 33 Type	10	34.6/180	1x40mm gun 2x12.7mm MGs (with Coast Guard)
• SAR 35 Type	4	36.6/210	1x40mm gun 2x12.7mm MGs (with Coast Guard)
• KW 15 class	3	28.9/70	1x40mm gun 2x20mm guns (with Coast Guard)
• Kaan 33 (MRTP 33)	13	35.7/124	4x12.7mm MGs (with Coast Guard)
• Kaan 29 (MRTP 29)	9	31/ 98	4x12.7mm MGs (with Coast Guard)
• Coastal patrol craft	11	14.6/29	1x20mm or 1x12.7mm MG (with Coast Guard)

Turkey

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Inshore patrol craft	1	11.6/10	1x12.7mm MG (with Coast Guard)
• Harbor patrol craft	1	17/35	(with Coast Guard)
Total	98		
Future procurement			
• Kaan 33 (MRTP 33)	9	35.7/124	
• Taskizak (Large patrol craft)	5	40.7/195	
• Sirio class OPV	4	88.4/1700	Delivery in progress, up to 2014.
• Tuzla (New Type) PBs	16	55.7/400	Delivery in progress, up to 2014.

Landing Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Osman Gazi (LST)	1	105/3,773	900 troops, 15 tanks 4 LCVPs 3x40mm guns 2x35mm guns 2x20mm guns
• Sarucabey (LST)	2	92/2,600	600 troops, 11 tanks 2 LCVPs 3x40mm guns 4x20mm guns
• Ertuğrul (Terrebonne Parish LST)	2	117.1/5,800	395 troops, 2,200 ton 4 LCVPs 6x76mm guns
• LCM-8	16	22/113	140 troops or 60 ton 2x12.7mm MGs
• C-151 LCT	8	80/1,155	420 ton capacity
• C-107 LCT	25	59.6/600	100 troops, 5 tanks 2x20mm guns 2x12.7mm MGs
Total	46		
Future procurement			
• LST	2	138/7,125	To be delivered in 2015 Helicopter deck 2x40mm guns 2x20mm Phalanx 1200 ton capacity 320 troops 4 LCVPs

Turkey

Auxiliary Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Tankers	8	1,440-19,000	2x20mm guns
• Water tankers	9	300-1,200 tons	
• Çubuklu Survey	1	40.5/680	2x20mm guns
• Mesaha survey ship	2	15.9/38	
• Silas bay class survey ships	2	2,843 tons	
• Rhein training ships	2	98.2/2,370	2x100mm guns 4x40mm guns
• Iskanderun transport ship	1	127.5/10,580	
• Training craft	8	28.8/94	
• Transport	49	Various sizes	
• Akar Support ship	2	145.1/19,350	
• Tugs	20	750; 1,235tons	
• Barrack ships	2		
• Floating docks	13		400-16,000 ton. Lift
• Torpedo retrievers	3		
• Boom defense	2	560-780 tons	3-4 20mm, 76mm or 40mm guns
Future procurement			
• Submarine rescue ship (MOSHIP)	1	91m	Delivery in 2014
• Towing vessels (RATSHIP)	2	69m	Delivery in 2014
• Logistical support ship	2	155/15,600	

Special Maritime Forces

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Kaan 15 (MRTP 15) Fast intervention craft	21	16.7/19	2x12.7mm MGs (18 with Coast Guard)
• Kaan 19 (MRTP 20) Fast intervention craft	3	22.5/ 38	2x12.7mm MGs (with Coast Guard)
Total	24		
Future procurement			
• Kaan 19 (MRTP 20)	15	22.5/38	To be delivered by 2012

Coastal Defense

Future procurement

IMSS system: includes 3 DR3000 radars, 3 Suricate 2000 Elint systems, and an integrations center by Thales.

Turkey

Naval Infrastructure

Naval bases	17
Aksaz, Ankara (HQ), Antalya, Bartin, Çanakkale, Erdek, Eređli, Foça, Gölçük, Iskanderun, Istanbul, Izmir, Karamürsel (training), Marmaris, Mersin, Samsun, Trabzon	
Naval aviation bases	4
Antalia, Cigli, Topel, Trabzon	
Ship maintenance and repair facilities	3
Gölçük, Taskiçak, Pendik	

Major Non-Governmental Paramilitary Forces

Personnel

	Active
• PKK	6,000

Equipment

Organization	Category	System	Quantity	Notes
PKK	Artillery	• 122mm BM-21	+	
	Air defense	• SA-7 (Strela)	80	