

## 20. UNITED ARAB EMIRATES (UAE)

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### Major Changes

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- The UAE launched some major acquisition programs for the coming years. These include orders for new C-130J and C-17 transport aircraft, A-330 aerial refueling aircraft, airborne command and control aircraft, utility and light attack helicopters, upgrading of existing AH-64 attack helicopters and acquisition of some more, acquisition of UH-60 utility helicopters and arming some of them.
  - The UAE Army will procure ATACMS ballistic missiles, as a part of a deal that also includes MLRS and GMLRS rockets.
  - The Air Force is absorbing two Saab 340 early warning aircraft, purchased from Sweden.
  - The Air Defense forces are acquiring the latest version of Patriot SAMs, including the anti ballistic PAC-3 missiles. Negotiations continue for the acquisition of 3 units of the THAAD anti ballistic missile, of which the UAE will be the first non US customer.
  - The UAE Navy is awaiting its first Baynunah corvettes, the first of which is expected to enter service in 2012. These corvettes will be equipped with MM-40 block III Exocet anti ship missiles, as well as RIM-7 and SeaSparrow anti aircraft and anti missile systems. Further ordered include 2 Falaj-2 fast attack crafts, as well as one Abu-Dhabi class frigate, both from Italy.
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### General Data

**Official Name of the State:** United Arab Emirates

**Head of State:** Shaykh Khalifa ibn Zayid al-Nuhayan, Emir of Abu Dhabi

**Prime Minister:** Shaykh Mohammed ibn Rashid al-Maktum, Emir of Dubai

**Minister of Defense:** Shaykh Muhammed ibn Rashid al-Maktum

**Chief of General Staff:** HRH Lieutenant General Hamad Muhammad Thani al-Rumaithi

**Commander of the Ground Forces:** Major General Ali Mohammed Subaih al-Kaabi

**Commander of the Air Force and Air Defense Forces:** Major General Mohammed bin Suweidan Saeed al-Qamzi

**Commander of the Navy:** Rear Admiral Ahmed al-Sabah al-Tenaiji

**Area:** 82,900 sq. km. (estimate)

**Population:** 6,700,000 (estimate)

**Note:** The UAE consists of seven principalities: Abu Dhabi, Dubai, Ras al-Khaima, Sharja, Umm al-Qaiwain, Fujaira, and Ajman

### Demography

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#### Ethnic and national groups

• South Asians	3,350,000	50%
• Other Arabs and Iranians	1,541,000	23%
• Emiri	1,273,000	19%
• Westerners and East Asians	536,000	8%

#### Religious groups

• Sunni Muslims	5,360,000	80%
• Shi'ite Muslims	1,072,000	16%
• Others	268,000	4%

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### **Economic Data**

		2006	2007	2008	2009	2010
• GDP (current prices)	\$ bn	175.2	206.4	254.4	235.4	269.4
• GDP per capita	\$	35,755	38,943	45,429	41,298	40,209
• Real GDP growth	%	14.9	6.0	7.4	-3.5	5.1
• Consumer price index	%	13.5	11.1	15.8	1.5	0.9
• External debt	\$ bn	78.6	110.1	134.6	129.3	130.4
<b>Balance of payments</b>						
• Exports fob	\$ bn	145.6	178.6	239.2	174.4	198.7
• Imports cif	\$ bn	-88.1	-132.1	-176.3	-144.5	-159.2
• Current account balance (including services and income)	\$ bn	8.7	9.3	10.6	8.1	6.4
<b>Government expenditure</b>						
• Government expenditure/ GDP	%	19.9	19.4	19.0	23.2	22.1
• Defense expenditure	\$ bn	9.7	11.6	NA	NA	NA
• Real change in defense expenditure	%	28.9	19.6	NA	NA	NA
• Defense expenditure/GDP	%	5.5	5.6	NA	NA	NA
Population	m	4.9	5.3	5.6	5.7	6.7
Official exchange rate	Dh:1\$	3.67	3.67	3.67	3.67	3.67

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

### **Foreign Military Cooperation**

Type	Details
• Foreign forces	France (500), Italy (100), South Korea (130), US (Some 110 soldiers),
• Forces deployed abroad	Afghanistan (ISAF), Lebanon (de-mining), CTF-152
• Joint maneuvers	Egypt (2001), France (2009), GCC countries (2009), Jordan (2001), Kuwait (2009), Pakistan (2010), Turkey (2002), UK (2010), US (2009)
• Security agreement	France (2007), Germany, India (2003), NATO (2006), Pakistan (2006), Yemen (2005)

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## Arms Trade

### Arms Procurement and Security Assistance Received

Country	Type	Details
Austria	<ul style="list-style-type: none"> <li>• Cooperation in arms production</li> </ul>	S-100 al-Sabr UAVs (2009)
Belgium	<ul style="list-style-type: none"> <li>• Cooperation in arms production</li> </ul>	Modification of OF-40 MBTs into HIFVs (2009)
Canada	<ul style="list-style-type: none"> <li>• Arms transfer</li> </ul>	Modification of Dash-8-300 to MP aircraft (2009)
Finland	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	AMV IFVs (2009)
France	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	MM40 Exocet SSMs (2008), Damocles targeting pods (2007), AS-365 Duophin helicopter (2007), A330 MRTT tanker (2010), DV-15 PBs (2010), ECCS C <sup>4</sup> ISR system (2011), SK-105 Skylander aircraft (2010)
	<ul style="list-style-type: none"> <li>• Cooperation in arms production</li> </ul>	Baynunah MFPBs (2009)
Germany	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Fuchs 2 NBC vehicles (2007), Cobra artillery radar (2009)
India	<ul style="list-style-type: none"> <li>• Military training</li> </ul>	Trainees in India (2007)
Italy	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	AW139 helicopters (2007), M-346 trainer aircraft (suspended - 2009), Abu-Dhabi ASW corvette (2009), Marte Mk2 ASM (2010), Falaj-2 FACs (2010), upgrading MB-339 aircraft (2010), P180 Aveni (2009)
Jordan	<ul style="list-style-type: none"> <li>• Cooperation in arms production</li> </ul>	Tiger RV (2007)
Russia	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Pantsir-S1 AD systems (2010), upgrading of BMP-3 IFVs (2011), Kornet-E ATGMs (2007), RGP-29 (2007)
Singapore	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	120mm SRAMS mortars (2010)
South Africa	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	RG-31 APCs (2007), RG-12 APCs (2010)
South Korea	<ul style="list-style-type: none"> <li>• Arms transfers</li> <li>• Facilities</li> </ul>	120mm MMS mortars (2007) Construction of 1,400MW nuclear reactor (2010)
Sweden	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	120mm NAMO mortars (2009), Saab 340 AEW aircraft (2011)
Switzerland	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Minewolf mine-clearing vehicles (2008), PC-21 training aircraft (2010)
Turkey	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	TR-122 MRLs (2007), ACV-S APCs

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Country	Type	Details
		(2007), TR-300 MRLs (2009) MRTP-16 PBs (2009)
UK	<ul style="list-style-type: none"> <li>• Cooperation in arms production</li> <li>• Arms transfers</li> <li>• Military training</li> </ul>	DB-110 reconnaissance pod (2011) Training of technicians in the UK (2010)
Ukraine	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	An-32 aircraft (2007)
US	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	SeaSparrow naval SAMs (2011), AH-64D helicopters (2010), Javelin ATGMs (2008), AH-60 Battlehawk helicopters (2011), HIMARS MRLs (2010), RIM-116 RAM SAMs (2007), AGM-114L3/N Hellfire missiles (2009), E-2C AEW aircraft (2007), Patriot PAC-2/3 SAMs (2010), AMRAAM AAMs (2009), JDAM (2007), Paveway-2/3 laser-guided bombs (2009), CBU-105 SFW (2007), THAAD ABM (2009), Avenger SAMs (2008), SL-AMRAAM SAMs (2008), C-130J transport aircraft (2009), C-17 transport aircraft (2010), AGM-65 Maverick (2010), CH-47F helicopters (2009), ATACMS (2010), M-ATV APCs (2010); AT-802 aircraft (2011), Global HET (2011)
	<ul style="list-style-type: none"> <li>• Cooperation in arms production</li> <li>• Military training</li> </ul>	Talon LGR (2009) Training pilots in UAE (2009)

### Arms Sales and Security Assistance Extended

Country	Type	Details
Bahrain	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Upgrading of patrol boats (2007), 16m LCT (2010), 42m LCT (2010)
France	<ul style="list-style-type: none"> <li>• Facilities</li> </ul>	Hosting French Aerial and Naval command of the Indian Ocean at Mina Zabed (2010)
Lebanon	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	SA-342 Gazelle helicopters (2007), patrol boats (2007), Milan ATGMs (2007)
Libya	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Nimr RVs (2009)
Seychelles	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	PBs (2011), radar (2011)
UK	<ul style="list-style-type: none"> <li>• Facilities</li> </ul>	Logistical facilities
US	<ul style="list-style-type: none"> <li>• Facilities</li> </ul>	Storage facilities for naval equipment at Jebel Ali and Fujaira, use of al-Dhafra AFB and pre-positioning of equipment for an armored brigade

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**Defense Production**

	M	P	A
<b>Land force equipment</b>			
• Hunter reconnaissance vehicle	✓		
• al-Dhabi, AMV and Iguana armored vehicles		✓	
• 120mm Agrab SP mortar system		✓	
• 300mm MRLs		✓	
• Conversion of OF-40 and Scorpion light-tanks to IFVs		✓	
<b>Air force equipment</b>			
• Falco, GRD 100/200, Yabhon target drones	✓		
• S-100 al-Sabr VTUAV		✓	
• APID-55 , Nibbio, al-Shabah, Smart Eye, Yabhon-M/R UAVs		✓	
• Talon LGR		✓	
• SkyCat		✓	
<b>Naval equipment</b>			
• LEWA patrol boats		✓	
• Upgrading of TNC-45 Patrol Boats	✓		
• Swimmer delivery vehicles	✓		
• Al-Saber, al-Fattan FPBs	✓		
• Express offshore transport vessels	✓		
• Ghannatha Fast Fighting boats		✓	
• MRTP 16 Fast Interceptor vessels		✓	
• Baynunah corvettes		✓	
• Fast supply ships	✓		
• 24m, 42m and 64m amphibious landing craft	✓	✓	

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

## Strategic Assets

### NBC Capabilities

#### Nuclear capability

A 1,400MW reactor, to be constructed by Korea Electric Power by 2017.

No known nuclear activity. Signatory to the NPT.

#### Chemical weapons and protective equipment

No known CW activities. Personal protective equipment, unit decontamination equipment.

Party to the CWC.

#### Biological weapons

No known BW activities. Signed but not ratified the BWC.

#### Future procurement

Fuchs (Fox) ABC detection vehicle (32)

### Ballistic Missiles

Model	Launchers	Missiles	Since	Notes
• Scud B		6	1991	Owned by Dubai; unconfirmed
<b>Future procurement</b>				
• MGM-140 ATACMS		100		Using HIMARS launchers

### Space Assets

Model	Type	Notes
<b>Satellites</b>		
• Thuraya-1/2/3	communication	Geosynchronous, civilian satellites. The first was launch in September 2000, the second in June 2003, third in January 2008.
• DubaiSat-1	Remote sensing	Civilian satellite, launched July 2009. 680km in orbit.
<b>Ground stations</b>		
• Dubai Space Imaging	Remote sensing	Receiving satellite images from Ikonos and India's IRS satellites
<b>Future launches</b>		
• Gulf Sat	Reconnaissance	Four optic and SAR satellites. First satellite to be launched in 2012.
• Yahsat-1A/B	Telecom	Privately owned civilian satellites. The first to be launched in 2011.

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### Command and Control Assets

Name	Description
<b>Air defense</b>	
al-Sharyan	National early warning network, linking ground-based, aerostat radars, and AEW aircraft with regional command centers.
Belt of Cooperation	Joint GCC communication network, combining national Aerial surveillance assets of GCC members.
Skyguard	Command and control system linking national EW network with local AD assets.
<b>Border Surveillance</b>	
ECCS	Proposed command and control network, combining air, land and naval assets.
ORTAS	Mobile ground surveillance system, based on sensors and radars mounted on Aerostats
<b>Naval surveillance</b>	
ECDS	Naval surveillance system, consisting of sensors and radars mounted on Aerostats, combined with MP aircraft.



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**Armed Forces**

**Order-of-Battle**

Year	2007	2008	2009	2010	2011
<b>General data</b>					
• Personnel (regular)	65,500	65,500	65,500	65,500	65,500
• SSM launchers	6	6	6	6	6
<b>Ground forces</b>					
• Number of brigades	8	8	8	8	8
• Tanks	532 (604)	532 (604)	532 (604)	532 (604)	532 (604)
• APCs/AFVs	1,460	1,460	1,430	1,430	1,430
• Artillery (including MRLs)	360	360	360	364	364
<b>Air Force</b>					
• Combat aircraft	129 (142)	129 (142)	128 (141)	128 (141)	130 (143)
• Transport aircraft	35*	35	36	36	36
• Helicopters	103 (120)	113 (130)	152 (173)	166 (183)	166 (183)
<b>Air Defense Forces</b>					
• Heavy SAM batteries	5	5	7*	7	7
• Medium SAM batteries	7	9	9	9	9
• Light SAM launchers	~160	~160	~160	~160	~160
<b>Navy</b>					
• Combat vessels	14	14	12	12	12
• Patrol craft	92	92	92	112	112

\*Due to changes in estimate.

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### Personnel

	Regular	Reserves	Total
Ground Forces	59,000		59,000
Air Force	4,500		4,500
Navy	2,000		2,000
<b>Total</b>	<b>65,500</b>		<b>65,500</b>
<b>Paramilitary</b>			
• Coast Guard		+	+
• Frontier Corps		+	+

### Ground Forces

#### Formations

	Independent brigades / groups
Armored	3
Mechanized	4
Royal Guard	1
Special Forces	1
Marine	1
Artillery	1
<b>Total</b>	<b>10</b>

Note: including two mechanized brigades under Dubai National Command.

#### Tanks

Model	Quantity	In service	Since	Notes
<b>MBTs</b>				
<b>High quality</b>				
• Leclerc	388	388	1995	
<b>Medium and low Quality</b>				
• AMX-30	100	64	1981	
• OF-40 Mk 2	36	0	1982	Being upgraded
Subtotal	136	64		
<b>Light tanks</b>				
• Scorpion	80	80	1975	Being upgraded
<b>Total</b>	<b>604</b>	<b>532</b>		

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<b>APCs/AFVs</b>				
<b>Model</b>	<b>Quantity</b>	<b>In service</b>	<b>Since</b>	<b>Notes</b>
<b>APCs</b>				
• AMX-VCI	10	10	1978	
• Engesa EE-11 Urutu	30	30	1985	
• ACV-S	10	10	2007	
• VAB	20	20	1980	
• VCR	+	+		
• M-3 (Panhard)	250	250	1977	Some were transferred to Iraq
Subtotal	~320	~320		
<b>IFVs</b>				
• AMX-10P	20	20	1980	
• BMP-3	590	590	1992	To be upgraded
• BTR-94 Guardian	90	90	2002	
• AMV-L IFV	5	5	2009	
Subtotal	705	705		
<b>Reconnaissance</b>				
• AML-60/90	105	105	1980	
• Engesa EE-9 Cascavel	100	100		
• ACV AAOV	75	75	1999	
• RG-31	76	76	2006	Also listed under Artillery
Subtotal	356	356		
<b>Light armored vehicles</b>				
• Terrier	10	10	2001	
• RG-12	16	16	2003	With Police
• VBL	24	24	2004	
Subtotal	50	50		
<b>Total</b>	<b>1,430</b>	<b>1,430</b>		
<b>Future procurement</b>				
• ACV-S	+			Being delivered
• Iguana VF4-270	100			Under negotiations

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<b>Artillery</b>				
<b>Model</b>	<b>Quantity</b>	<b>In service</b>	<b>Since</b>	<b>Notes</b>
<b>Self-propelled guns and howitzers</b>				
• 155mm Mk F3 (AMX-13)	20	20	1976	
• 155mm G-6	78	78		
• 155mm M109 A3	85	85	1995	
Subtotal	183	183		
<b>Towed guns and howitzers</b>				
• 130mm Type 59	30	30		
• 105mm L-118 light gun	81	81		
Subtotal	111	111		
<b>Mortars, under 160mm</b>				
• 120mm	12	12		
• 120mm Agrab SP	4	4	2010	Being delivered; Mounted on RG-31 chassis
Subtotal	16	16		
<b>MRLs</b>				
• 122mm Firos-25/TR-122	48	48	2006	
<b>Rockets</b>				
• 300mm Smerch (BM9A52-2)	6	6	2000	
<b>Total</b>	<b>364</b>	<b>364</b>		
<b>Future procurement</b>				
• TR-300 MRLs	+			
• 120mm Agrab SP	48			Being delivered
• 227mm HIMARS	20			

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### Ground Radars

Model	Quantity	In service	Since	Notes
<b>Aerostat with Ground Surveillance Radars</b>				
• ORTAS 17M	2	2	1995/2005	
<b>Future procurement</b>				
• Cobra	3			

### Logistics and Engineering Equipment

Matenin automatic mine layers, Aardvark Mk 3 Flail, Leclerc ARVs (28), ACV AESVs (53), ACV ARVs (8), BREM-L ARVs (162)

#### Future procurement:

Leclerc AESV (18), Fuchs 2 NBC RS vehicles (32), Global HET

### Anti-Tank Missiles

Model	Launchers	Missiles	Since	Notes
• BGM-71B TOW	24	+	1983	
• Kornet-E Kwartet	+	+	2000	Mounted on HUMMWV
• Javelin	100	1,000		
• HOT	50	+		
• MILAN	230	+		
<b>Total</b>	<b>~300</b>	<b>+</b>		
<b>Future procurement</b>				
• RPG-29 Viper	+			
• 9M133 Kornet-E	+			

## Air Force

### Order-of-Battle

Category	Quantity	In service	Notes
• Combat	143	130	
• Transport	36	36	
• Helicopters	183	166	

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**Combat Aircraft**

Model	Quantity	In service	Since	Notes
<b>Advanced multi-role</b>				
• Mirage 2000-9	62	62	2003	
• F-16E/F	79	66	2005	13 of which are being used for training in the US
Subtotal	141	128		
<b>Light Attack</b>				
• AT-802U	2	2	2011	Being delivered, for Abu-Dhabi AF.
<b>Total</b>	<b>143</b>	<b>130</b>		
<b>Future procurement</b>				
• AT-802U	10			Delivery in progress

**Transport Aircraft**

Model	Quantity	In service	Since	Notes
• BAe 125	1	1		
• Beech King Air 350	2	2	2000	
• An-124	1	1	2004	
• Boeing 737	1	1	1976	
• Boeing 747	3	3	1985	
• RJ85	2	2	2007	VIP transport
• RJ70	1	1	2007	VIP transport
• RJ100	1	1	2009	VIP transport
• Britten-Norman BN-2 Islander	2	2	1983	Employed in maritime patrol role
• C-130 Hercules /L-100-30	6	6	1981	
• CASA C-212	4	4	1982	Employed in EW role
• CN-235M	7	7	1993	Some in maritime patrol role
• IL-76	4	4	1994	On lease
• Mystère-Falcon 20	1	1		
<b>Total</b>	<b>36</b>	<b>36</b>		
<b>Future procurement</b>				
• SK-105 Skylander	10			Under negotiations
• C-130J	12			Under negotiations
• C-17	6			Delivery in 2012
• An-32	5			Under negotiations

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**Training and Liaison Aircraft**

Model	Quantity	In service	Since	Notes
<b>Jet trainers</b>				
• MB-326 KD/LD	8	8	1974	
• MB-339	10	10	2010	Aerobatic team
• Hawk Mk 102	26	18	1993	
• Hawk Mk 61/63	20	14	1983/1984	
Subtotal	64	50		
<b>Piston/ Turbo-prop</b>				
• Cessna 182 Skylane	1	1	1980	
• PC-21	2	2	2010	Being delivered
• Pilatus PC-7	23	23	1982	
• G-115T (Grob)	12	12	1997	
• SF-260 WD	6	6	1983	
Subtotal	44	44		
<b>Total</b>	<b>108</b>	<b>94</b>		
<b>Future procurement</b>				
• PC-21	25			delivery in progress
• M-346	48			Under negotiation; 20 of which will be light-attack version.

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<b>Helicopters</b>				
<b>Model</b>	<b>Quantity</b>	<b>In service</b>	<b>Since</b>	<b>Notes</b>
<b>Attack</b>				
• AH-64A Apache	30	22	2004	Being upgraded to D standard
• AS-550 C3	6	6	2002	
Subtotal	36	28		
<b>Heavy transport</b>				
• Ch-47 Chinook	12	8	2006	
<b>Medium transport</b>				
• S-70 Blackhawk	40	40	2008	
• AB-205/Bell 205	8	6	1969	
• AB-212	3	3	1977	
• AB-214	4	4	1981	
• AB-412	5	2	1994	
• AW 139	8	8	2004	
• IAR-330SM Puma	25	25	2006	Upgraded older models
• AS-365 Dauphin	3	3	2004	VIP role
• AS-332B Super Puma/Cougar	2	2	1982	V.I.P, Being upgraded
Subtotal	98	93		
<b>Light transport</b>				
• AS-350/550 B2	12	12	2005	
• A-109	3	3	1995	
• BO-105	6	6	1992	
Subtotal	21	21		
<b>Naval combat</b>				
• Alouette 2/3	4	4	1980	Used in naval surveillance role
• AS-332Super Puma	5	5	1995	Anti-Submarine warfare
• AS-565SB Panther	7	7	2001	Anti-Ship warfare
Subtotal	16	16		
<b>Total</b>	<b>183</b>	<b>166</b>		
<b>Future procurement</b>				
• CH-47F Chinook	16			Under negotiations
• AH-64D	30			Under negotiations
• AH-60 Battle hawk	23			Upgrading of existing S-70 helicopters
• AH-64D	30			Upgrading of existing AH-64A



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<b>Miscellaneous Aircraft</b>				
<b>Model</b>	<b>Quantity</b>	<b>In service</b>	<b>Since</b>	<b>Notes</b>
<b>Reconnaissance</b>				
• Mirage 2000-9	8	8		Also listed under Combat Aircraft
<b>AEW aircraft</b>				
• Saab 340 AEW	2	2	2010	
<b>EW aircraft</b>				
• C-130 EW	2	2		Also listed under Transport Aircraft
• CASA C-212	4	4		Also listed under Transport Aircraft
<b>Maritime surveillance aircraft</b>				
• BN-2 Islander	2	2	1983	Also listed under Transport Aircraft
• CN-235	5	5	1993	Also listed under Transport Aircraft
<b>Target drones</b>				
• MHD	12	12		
• Yabhon	+	+		
• SAT-400	+	+		
• TTL BTT-3 Banshee	+	+		
<b>UAVs and mini- UAVs</b>				
• Beech MQM-107A	20	20		
• Yabhon-R	+	+	2009	
• Seeker	5	5	2005	
• S-100 al-Sabr UAV	60	60	2006	
<b>Future procurement</b>				
• Dash-8 Q300 MP	2			Modification of existing aircraft to MP configuration, Delivery in 2012.
• A330 MRTT	3			Delivery in 2012

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### **Advanced Armament**

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#### **Air-to-air-missiles**

AIM-9L Sidewinder, AIM-9M Sparrow (267), AIM-120 AMRAAM (491), R-550 Magic (108), Mica

#### **Air-to-ground-missiles**

AGM-65D/G Maverick (1,163), AGM-84 Harpoon (52), AGM-88 HARM (163), AGM-114 Hellfire (360), AS-11, AS-12, AS-15TT (56), AS-30L, AM-39 Exocet, al-Hakeem (PGM-1/2/3) (1,750), Black Shaheen , WCMDs (304)

#### **Bombs**

BAP-100 anti-runway, JDAMs guided bombs (700), Paveway laser-guided

#### **Navigation/ Targeting pods**

Shehab (Damocles) targeting pods , Nahar FLIR pods

#### **Future procurement**

ASRAAM, AGM-114L3/N Hellfire 2 (1,260), AIM-120C AMRAAM (224), GBU-31 JDAM (200), GBU-24 Enhanced Paveway-3 (800), GBU-49/50 Enhanced Paveway-2 (800), CBU-105 SFW, AGM-65D/G Maverick (500), DB-110 reconnaissance pod (6)

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Note: Numbers in parentheses refer to Quantity of units purchased, not to current inventory levels.

### **Air Force Infrastructure**

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#### **Aircraft shelters**

At Abu Dhabi, al-Dhafra and Jabil-Ali AF bases

**Military airfields :** 10

Abu Dhabi (international), al-Ain (Dubai), al-Dhafra (Abu Dhabi), Bateen (Abu Dhabi), Dubai (international), Fujaira, Jabil-Ali, Sharja, al-Minhad, al-Safran

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U.A.E

## Air Defense Forces

### Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
<b>Heavy missiles</b>				
• MIM-104 Patriot PAC-2	2		2009	Operated by US forces
• MIM-23B improved HAWK	5		1989	
<b>Total</b>	<b>7</b>			
<b>Medium missiles</b>				
• Pantsir-S1	3	12	2007	
• Crotale	3		1978	
• Rapier	3		1976	
<b>Total</b>	<b>9</b>			
<b>Light missiles</b>				
• RBS-70		13	1980	
• Mistral		100	1993	
• SA-24 Dzhigit (Igla-S)		40	2004	Mounted on Nissan chassis
• Javelin		+		
• Tigercat		+		Probably phased out
<b>Total</b>		<b>~160</b>		
<b>Shoulder-launched missiles</b>				
• Blowpipe		~20	1992	Probably phased out
• FIM-92A Stinger		+		
• SA-7 (Grail)		+		
• SA-14 (Gremlin)		+		
• SA-16 (Igla-1)		10	1992	
<b>Total</b>		<b>~30</b>		
<b>Future procurement</b>				
• Avenger				Under negotiations
• SLAMRAAM				Under negotiations
• THAAD ABM	4			Under negotiations
• MIM-104 Patriot PAC-3	4	16		
• Pantsir-S1		50		Being delivered

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### Other Air Defense Systems

Model	Quantity	In service	Since	Notes
<b>Air defense systems (missiles, radars, and guns)</b>				
• Skyguard AD system	7	7		
<b>Short-range guns</b>				
• 30mm M-3 SP	+	+		
• 20mm GCF-BM2 SP	+	+	1986	
<b>Radars</b>				
• AN/TPS-70	3	3		
• Watchman	+	+		
• LASS 71M	2	2		Including TPS-63

## Navy

### Combat Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
<b>Missile corvettes</b>			
• Muray-Jib (Lürssen 62)	2	63/630	1xAlouette helicopter 8xExocet MM40 SSMs 8xCrotale Navale SAM 1x76mm gun 1x30mm Goalkeeper
<b>MFPBs</b>			
• Ban-Yas (Lürssen TNC-45)	6	44.9/260	4xExocet MM40 Block 3 SSMs 1x76mm gun 2x40mm guns Being upgraded
• Mubarraz class (Lürssen)	2	44.9/260	4xExocet MM40 SSMs 1x6 Mistral SAM 1x76mm gun 2x20mm gun
Subtotal	8		
<b>Mine warfare</b>			
• Frankenthal class	2	54.5/650	2x4 Stinger SAMs

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Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
(Type 332) Mine hunters			1x40mm gun DSQS-11M sonar 2xPenguin sonar drones Ex-German navy
<b>Total</b>	<b>12</b>		
<b>Future procurement</b>			
• Falaj-2 (Diciotti) FAC	2	55/	Delivery in 2012 1x76mm Gun 1x4 Marte Mk2/N SSM 1x6 Mistral SAM Option for additional 2.
• Abu-Dhabi (Comman dante) corvette	1	88/1,650	Delivery 2011 1x76mm Gun 2x30mm Guns 6x533mm Torpedoes CAPTAS active sonar Option for additional ship.
• Baynunah corvettes	6	72/915	Delivery in 2012 AS-565 Panther helicopter 8xMM40 Exocet SSMs 1x21 Mk49 RIM-116B RAM SAMs 4x8 Mk58 RIM-162 ESSM SAMs 1x76mm Gun 2x27mm Guns

**Patrol Craft**

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Ardhana (Vosper Thornycroft type)	6	33.5/110	2x30mm guns 1x20mm gun
• Protector patrol craft	2	33/180	1x20mm gun 2x12.7mm MGs
• Baglietto GC-23	6	24/50.7	1x20mm gun with Coast Guard
• Camcraft 77ft	5	23.4/70	2x20mm guns

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Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Camcraft 65ft	16	19.8/50	with Coast Guard 1x20mm gun
• Baglietto 59 ft	3	18.1/22	with Coast Guard
• MRTP 16	7	16/	With Coast Guard
• DV-15 Fast intervention Craft	12	15.5/12	1x12.7mm MG
• Watercraft 45ft	6	13.7/25	With Coast Guard
• Al-Fattan PB	+	15m	2x12.7mm MGs With Coast Guard
• Boghammar	3	13m	With police
• Harbor patrol craft	35	6.6-10m	With Coast Guard
• Dhafeer/Spear	10	9-12m	With police
<b>Total</b>	<b>112</b>		
<b>Future procurement</b>			
• MRTP 16	34	16m	Being delivered. Based on Turkish design
• Inshore PB	1	10m	
• Al-Saber	12	34/100	1x25mm Gun 1x12.7mm MG Carrying RIB

**Landing Craft**

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Al-Feyi (Siong Huat) LCU	3	50/650	4 vehicles 2x12.7mm MGs
• LCT	7	64/850	2x 12.7mm MGs
• Um al-Narr LCU	2	44.4/380	40 troops
• Fast Supply Vessels	4	26/53	Vehicle plus 18 troops 2x12.7mm MGs
• Ghannatha (Transportbåt 2000) LCP	12	24.2/43	42 troops or 10 tons 2x12.7mm MG
<b>Total</b>	<b>28</b>		
<b>Future procurement</b>			
• Express offshore transport	2	40	
• Ghannatha FFB	24		Upgrading of existing vessels, and a further order of 12 new vessels.

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### Auxiliary Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Arun pilot craft	2		
• Coastal tug	1	35.0/795	
• Harbour Tugs	2	16.5/90	
• Diving tender	1	31.4/100	
• Helmatic Sea Keeper work boats	12	16/13.3	10 tons equipment
<b>Total</b>	<b>18</b>		

### Coastal Defense

Type	Quantity	Notes
• ECDS 32M	+ Aerostat	
• MM-40 Exocet	+ Unconfirmed	

### Special Forces

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Al-Shaali/Arctic 28 RIB	20	8.5/4	12 troops
• Sea spray Assault Boats	54	9.5m	2x7.62mm MGs
• Class 4/5 SDVs	10	9.1m	
<b>Total</b>	<b>84</b>		

### Naval Infrastructure

Naval bases **11**

(including Coast  
Guard):

Ajman, Dalma (Abu Dhabi), Fujaira, Mina Jabil (Jebel) Ali (Dubai), Mina Khalid (Sharja), Mina Khor Fakkan (Sharja), Mina Rashid (Dubai), Mina Saqr (Ras al-Khaima), Mina Sultan (Sharja), Taweela, Mina Zayd (Abu Dhabi)

#### Ship maintenance and repair facilities

Dubai wharf for maintenance and repair of merchant and naval vessels, 2 dry-docks available, ship building facility in Mussafah to be enlarged