

20. UNITED ARAB EMIRATES (UAE)

Contents

Major Changes	1
General Data	1
Arms Trade	3
Strategic Assets	6
Armed Forces	7
Ground Forces	8
Air Force	12
Air Defense Forces	17
Navy.....	19

Major Changes

- The Emiri Army will procure ATACMS ballistic missiles from the US, as a part of a deal that also includes MLRS and GMLRS rockets.
 - The Emiri air force received all of its' F-16E/F by early 2007. The air force is also absorbing 63 Mirage 2000-9 (new and refurbished).The air force began the long process of upgrading its AH-64 Apache attack helicopter's fleet to the AH-64D standard. The air force received its first S-100 (Sber) UAVs, out of 80 ordered.
 - The Emiri navy received two indigenously made 42m-landing craft.
-

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 Maktum ibn Rashid al-Maktum, Emir of Dubai

Minister of Defense: Muhammad ibn Rashid al-Maktum

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

Commander of the Air Force and

Air Defense Forces: Brigadir General Khalid Mubarak bin Abdullah al-Bu Ainnain

Commander of the Navy: Brigadir General Suhail Shaheen al-Murar

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

Population: 4,700,000 (estimate)

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

U.A.E.

Demography

Ethnic and national groups		
• South Asians	2,350,000	50%
• Other Arabs and Iranians	1,081,000	23%
• Emiri	893,000	19%
• Westerners and East Asians	376,000	8%
Religious groups		
• Sunni Muslims	3,760,000	80%
• Shi'ite Muslims	752,000	16%
• Others	188,000	4%

Economic Data

		2002	2003	2004	2005	2006
• GDP (current prices)	\$ bn	74.3	87.6	105.2	132.2	162.1
• GDP per capita	\$	19,550	21,900	24,465	28,739	33,082
• Real GDP growth	%	2.6	11.9	9.7	8.2	10.7
• Consumer price index	%	2.9	3.1	7.0	12.5	13.5
• External debt	\$ bn	20.2	24.0	30.6	33.9	39.1
Balance of payments						
• Exports fob	\$ bn	52.2	67.1	91.0	115.4	136.3
• Imports cif	\$ bn	36.7	45.8	63.4	71.1	88.9
• Current account balance (including services and income)	\$ bn	3.5	7.6	10.6	26.5	26.1
Government expenditure						
• Total expenditure	\$ bn	23.59	24.19	NA	NA	NA
• Defense expenditure	\$ bn	2.49	2.52	2.43	2.5	NA
• Real change in defense expenditure	%	4.2	1.2	-3.6	2.9	NA
• Defense expenditure/GDP	%	3.3	2.9	2.3	1.9	NA
Population	m	3.8	4.0	4.3	4.6	4.9
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

U.A.E.

Foreign Military Cooperation

Type	Details
<ul style="list-style-type: none"> • Foreign forces • Forces deployed abroad • Joint maneuvers 	Some 80 US soldiers (as of September 2006) Lebanon (de-mining) Egypt (2001), France (2005), GCC countries (2002), Jordan (2001), Turkey (2002), US (2004)
<ul style="list-style-type: none"> • Security agreement 	France (2000), Germany, India (2003), Pakistan (2006), Yemen (2005)

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
Austria	<ul style="list-style-type: none"> • Cooperation in arms production 	S-100 al-Saber UAVs (2005)
Belgium	<ul style="list-style-type: none"> • Cooperation in arms production 	Iguana APCs (2006), upgrading of OF-40 MBTs (2006)
Denmark	<ul style="list-style-type: none"> • Arms transfers 	Naval surveillance radar (2005)
France	<ul style="list-style-type: none"> • Arms transfers 	Mirage 2000-9 combat aircraft (2003), Leclerc tanks (2006), anti ship missiles (2004), upgrading of military radars (2003), VBL LAVs (2004), A244 torpedoes (2005), Black Shaheen ALCM (2005), Mica AAMs (2005), Milan ATGMs (2004)
	<ul style="list-style-type: none"> • Cooperation in arms production 	Baynunah MFPBs (2005)
Germany	<ul style="list-style-type: none"> • Arms transfers 	Mako trainer aircraft (2005-postponed), naval systems (2004), Fuchs nuclear, biological and chemical reconnaissance vehicles (2005), upgrading of communication systems (2005), Kortenaer frigates (2006)
	<ul style="list-style-type: none"> • Military training 	Trainees in Germany (2005), foreign advisers, instructors (2005)
Italy	<ul style="list-style-type: none"> • Arms transfers 	Machine-gun turrets (2004), FCS for corvettes (2004), upgrading of helicopters (2005), AB 139 helicopters (2005)
Jordan	<ul style="list-style-type: none"> • Cooperation in arms production 	Tiger RV (2005)
	<ul style="list-style-type: none"> • Arms transfers 	Black Iris RVs (2003)
Libya	<ul style="list-style-type: none"> • Arms transfers 	CH-47 helicopters (2003)

U.A.E.

Country	Type	Details
Pakistan	<ul style="list-style-type: none"> • Military training 	Training of UAE navy officers (2003)
Romania	<ul style="list-style-type: none"> • Arms transfers 	Upgrading of IAR-330 Puma helicopters (2006)
Russia	<ul style="list-style-type: none"> • Arms transfers 	Pantzyr-S1AD systems (2006) , upgrading of BMP-3 IFVS (2006)
South Africa	<ul style="list-style-type: none"> • Arms transfers 	EW systems for helicopters (2005), naval warning systems (2004), RG-31 APCs (2005)
South Korea	<ul style="list-style-type: none"> • Arms transfers 	Tactical UAVs (2005)
Spain	<ul style="list-style-type: none"> • Arms transfers 	C-295 maritime patrol aircraft (2005-suspended)
Sweden	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	Naval surveillance radar (2004) APID-55 UAVs (2005)
Switzerland	<ul style="list-style-type: none"> • Arms transfers 	APCs (2004 – suspended)
US	<ul style="list-style-type: none"> • Arms transfers 	JDAMs guided bombs (2003), Sea Sparrow naval SAMs (2004), Harpoon Block 2 anti-ship missiles (2003), Thuraya satellites (2006) , upgrading AH-64D helicopters (2006), flight simulators (2003), WCMDs (2003), missile launchers (2004), Javelin ATM system (2004), TAS aerostat system (2005), S-70 Blackhawk helicopters (2006), HIMARS MRLs (2006), ATACAMS missiles (2006)
	<ul style="list-style-type: none"> • Military training 	Foreign advisers/instructors (some civilians), trainees abroad

U.A.E.

Arms Sales and Security Assistance Extended

Country	Type	Details
Iraq	<ul style="list-style-type: none"> • Military training • Arms transfers 	Training of Iraqi troops (2005) Comp Air 7SL aircraft (2004), Panhard M3 APC's (2004), Bell Jet Ranger helicopters (2004)
Jordan	<ul style="list-style-type: none"> • Upgrading 	Upgrading of light tanks (2003)
Oman	<ul style="list-style-type: none"> • Arms transfer 	fast assault boats (2004), landing craft (2005)
Taiwan	<ul style="list-style-type: none"> • Arms transfers 	Mini-submarines (2006)
UK	<ul style="list-style-type: none"> • Facilities 	Logistical facilities
US	<ul style="list-style-type: none"> • Facilities 	Storage facilities for naval equipment at Jebel Ali and Fujaira, use of al-Dhafra AFB and pre-positioning of equipment for an armored brigade
Yemen	<ul style="list-style-type: none"> • Arms transfers 	Patrol boats (2004)

Defense Production

	M	P	A
Land force equipment			
<ul style="list-style-type: none"> • Hunter reconnaissance vehicle • al-Dhabi and Iguana armored vehicles 	✓		
Air force equipment			
<ul style="list-style-type: none"> • Falco, GRD 100/200 target drone, GRS-100 UAV • Nibbio mini-UAV • al-Shabah UAV, S-100 al-Sabr UAV, APID-55 UAV, Yabhon-M UAV • SkyCat, 	✓	✓	
Naval equipment			
<ul style="list-style-type: none"> • LEWA patrol boats (with British cooperation) • Upgrading of TNC-45 Patrol Boats • Swimmer delivery vehicles • Al-Saber FPBs • Baynunah corvettes • 24m, 42m and 64m amphibious landing craft 	✓	✓	✓

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

U.A.E.

Strategic Assets

NBC Capabilities

Nuclear capability

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
Future procurement				
• ATACAMS		100		Using HIMARS launchers

Space Assets

Model	Type	Notes
Satellites		
• Thuraya-1/2	communication	Geosynchronous, civilian satellites. The first was launch in September 2000, the second in June 2003
Ground stations		
• Dubai Space Imaging	Remote sensing	Receiving satellite images from Ikonos and India's IRS satellites
Future launches		
• Thuraya-3		To be launched January 2007

U.A.E.

Armed Forces

Order-of-Battle

Year	2002	2003	2004	2005	2006
General data					
• Personnel (regular)	65,500	65,500	65,500	65,500	65,500
• SSM launchers	6	6	6	6	6
Ground forces					
• Number of brigades	8	8	8	8	8
• Tanks	532 (604)	539 (611)	532 (604)	532 (604)	532 (604)
• APCs/AFVs	~1,190 (~1,350)	~1,190 (~1,350)	~1,190 (~1,350)	~1,165	1,400*
• Artillery (including MRLs)	399 (422)	405 (428)	405 (428)	337 (360)	337 (360)
Air Force					
• Combat aircraft	54 (66)	47 (70)	47 (70)	93 (103)	129 (142)
• Transport aircraft	33 (36)	33 (36)	33 (36)	30 (33)	30 (33)
• Helicopters	102 (114)	102 (114)	102 (114)	102 (109)	111 (124)*
Air Defense Forces					
• Heavy SAM batteries	5	5	5	5	5
• Medium SAM batteries	6	6	6	6	6
• Light SAM launchers	~115	~115	~115	~115	~115
Navy					
• Combat vessels	12	12	12	12	12
• Patrol craft	112	128	92*	92	92

*Due to changes in estimate.

U.A.E.

Personnel

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

Ground Forces

Formations

	Independent brigades / groups
Armored	3
Mechanized	4
Royal Guard	1
Marine	1
Artillery	1
Total	10

Note: including two mechanized brigades under Dubai National Command.

Tanks

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

U.A.E.

APCs/AFVs				
Model	Quantity	In service	Since	Notes
APCs				
• AMX-VCI	10	10	1978	
• Engesa EE-11 Urutu	30	30	1985	
• VAB	20	20	1980	
• VCR	+	+		
• M-3 (Panhard)	250	250	1977	Some were transferred to Iraq
Subtotal	~ 310	~ 310		
IFVs				
• AMX-10P	20	20	1980	
• BMP-3	635	635	1992	415 of which are being upgraded
• BTR 94 Guardian	90	90	2002	
Subtotal	745	745		
Reconnaissance				
• AML-60/90	105	105	1980	
• Engessa EE-9 Cascavel	100	100		
• ACV AAOV	75	75	1999	
Subtotal	280	280		
Light armored vehicles				
• Terrier	10	10	2001	
• RG-12	+	+	2003	With Police
• VBL	24	24	2004	
• RG-31	28	28	2006	
Subtotal	65	65		
Total	1,400	1,400		
Future procurement				
• RG-31	48			Under negotiations
• Iguana VF4-270	100			
• Tiger/Nimr	500			
• M113	180			

U.A.E.

Artillery					
Model	Quantity	In service	Since	Notes	
Self-propelled guns and howitzers					
• 155mm Mk F3 (AMX-13)	20	20	1976		
• 155mm G-6	78	78			
• 155mm M109 A3	85	85	1995		
Subtotal	183	183			
Towed guns and howitzers					
• 130mm Type 59	30	30			
• 105mm L-118 light gun	81	81			
Subtotal	111	111			
Mortars, under 160mm					
• 120mm	12	12			
MRLs					
• 122mm Firos-25/30	48	25			
Rockets					
• 300mm Smerch (BM9A52-2)	6	6	2000		
Total	360	337			
Future procurement					
• 227mm HIMARS	20			Under negotiation	

U.A.E.

Ground Radars

Model	Quantity	In service	Since	Notes
Aerostat with Ground Surrveillance Radars				
• TAS 71/17	2	2	1995/2005	

Logistics and Engineering Equipment

Matenin automatic mine layers, Aardvark Mk 3 Flail; Leclerc ARVs (28), ACV AESVs (53), ACV ARVs (8)

Anti-Tank Missiles

Model	Launchers	Missiles	Since	Notes
• BGM-71B TOW	24	+	1983	
• HOT	50	+		
• MILAN	230	+		
Total	~300	+		
Future procurement				
• Javelin	100	1,000		

Anti-Tank Guns

Model	Quantity	In service	Since	Notes
• 120mm BAT L-4 recoilless rifle	*	*		
• 84mm Carl Gustav M-2 light recoilless rifle	250	250		

U.A.E.

Air Force

Order-of-Battle

Category	Quantity	In service	Notes
• Combat	142	129	
• Transport	33	30	
• Helicopters	124	111	

Combat Aircraft

Model	Quantity	In service	Since	Notes
Advanced multi-role				
• Mirage 2000-9	63	63	2003	Being delivered
• F-16E/F	79	66	2005	13 of which are being used for training in the US
Total	142	129		

Transport Aircraft

Model	Quantity	In service	Since	Notes
• BAe 125	1	1		
• Beech King Air 350	2	2		
• Boeing 737	1	1	1976	
• Boeing 747	3	3	1985	
• Britten-Norman BN-2 Islander	1	1	1983	
• C-130 Hercules /L-100-30	6	6	1981	
• CASA C-212	4	4	1982	Employed in EW role
• DHC-4 Caribou	3	0		Possibly phased out
• CN-235	7	7	1993	Some in maritime patrol role
• IL-76	4	4	1994	On lease
• Mystère-Falcon 20	1	1		
Total	33	30		

U.A.E.

Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
Jet trainers				
• Aermacchi MB-326 KD/LD	8	8	1974	
• Aermacchi MB-339	5	5	1984	
• Hawk Mk 102	26	18	1993	
• Hawk Mk 61/63	22	15	1983/1984	
Subtotal	61	46		
Piston/ Turbo-prop				
• Cessna 182 Skylane	1	1		
• Pilatus PC-7	23	23	1982	
• G-115T (Grob)	12	12	1997	
• SF-260 WD	6	6	1983	
Subtotal	42	42		
Total	103	88		

Helicopters

Model	Quantity	In service	Since	Notes
Attack				
• AH-64A Apache	30	24	1996	Being upgraded to D class
• SA-342K Gazelle	12	10	1980	
• AS-550 C3	12	12	2002	
• Alouette III	7	7		
Subtotal	61	53		
Medium transport				
• AB-205/Bell 205	8	6	1969	
• AB-212	3	3	1977	
• AB-214	4	4	1981	
• AB-412	5	2	1994	
• AS-332/532 Super Puma/Cougar	3	3	1982	V.I.P
• SA-330 Puma/IAR-330	11	11	1972	Being upgraded
Subtotal	34	29		
Light transport				
• AS-350/550 B2	3	3	2005	
• A-109	3	3	1995	

U.A.E.

Model	Quantity	In service	Since	Notes
• Bell 206 JetRanger	5	5	1984	
• BO-105	6	6	1992	
Subtotal	17	17		
Naval combat				
• AS-332/532 Super Puma/Cougar	5	5	1982	
• AS-565 Panther	7	7	1998	
Subtotal	12	12		
Total	124	111		
Future procurement				
• Ch-47 Chinook	12			Used helicopters from Libya – to be upgraded
• S-70 Blackhawk	26			
• SA-330 Puma/ IAR-330	24			Being upgraded
• AH-64D	30			Upgrading of existing AH-64A
• AB 139	8			

U.A.E.

Miscellaneous Aircraft

Model	Quantity	In service	Since	Notes
Reconnaissance				
• Mirage 2000-9	8	8		Also listed under Combat Aircraft
AEW aircraft				
• C-130 EW				Also listed under Transport Aircraft
• CASA C-212				Also listed under Transport Aircraft
Maritime surveillance aircraft				
• CN-235	5	5		Also listed under Transport Aircraft
Target drones				
• SAT-400	+	+		
• TTL BTT-3 Banshee	+	+		
UAVs and mini- UAVs				
• Beech MQM-107A	20	20		
• Seeker	+	+		
• S-100 al-Sber UAV	2	2		Being delivered
Future procurement				
• A330 MRTT	3			Delivery in 2001
• C-295	4			For Maritime Patrol missions - suspended
• S-100 UAV	80			Being delivered

U.A.E.

Advanced Armament

Air-to-air-missiles

AIM-9L Sidewinder, R-550 Magic (108), Mica

Air-to-ground-missiles

AS-11, AS-12, AS-15TT (56), AS-30L, AM-39 Exocet, al-Hakeem (PGM-1/2/3) (1,750), Black Shaheen

Bombs

BAP-100 anti-runway, JDAMs guided bombs (500)

Future procurement

AIM-120 AMRAAM (491) ASRAAM, Pave Way, AIM-9M Sparrow (267), AGM-88 HARM (163), AGM-84 Harpoon (52), AGM-65D/G Maverick (1,163), JDAM (202), WCMDs (304)

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

Air Force Infrastructure

Aircraft shelters

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

Military airfields : 8

Abu Dhabi (international), al-Dhafra (Sharja), Bateen (Abu Dhabi), Dubai (international), Fujaira, Jabil-Ali, Sharja, Mindhat

U.A.E.

Air Defense Forces

Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
Heavy missiles				
• MIM-23B improved HAWK	5		1989	
Medium missiles				
• Crotale	3		1978	
• Rapier	3		1976	
Total	6			
Light missiles				
• RBS-70		13	1980	
• Mistral		100	1993	
• Javelin		+		
• Tigercat		+		Probably phased out
Total		~115		
Shoulder-launched missiles				
• Blowpipe		~20	1992	Probably phased out
• FIM-92A Stinger		+		
• SA-7 (Grail)		+		
• SA-14 (Gremlin)		+		
• SA-16 (Gimlet)		10	1992	
Total		~30		
Future procurement				
• Pantsir-S1		50		Being delivered

U.A.E.

Other Air Defense Systems

Model	Quantity	In service	Since	Notes
Air defense systems (missiles, radars, and guns)				
• Skyguard AD system	7	7		
Short-range guns				
• 30mm M-3 SP	+	+		
• 20mm GCF-BM2 SP	+	+	1986	
C² system				
• al – Sharyan			2005	including fiber-optic datalink, as well as high-speed tactical coouncation network
Radars				
• AN/TPS-70	3	3		
• Watchman	+	+		
• TAS 71/12	2	2		

U.A.E.

Navy

Combat Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
Missile frigates			
• Abu Dhabi (Kortenaer class)	2	130.5/3,050	2xhelicopters 8xHarpoon Block II SSMs 4x324mm torpedoes 8xSea Sparrow SAM 1x76mm gun 1x30mm gun 2x20mm guns
Missile corvettes			
• Muray-Jib (Lürssen 62)	2	63/630	1xAlouette helicopter 8xExocet MM40 SSMs 8xCrotale Navale SAM 1x76mm gun 1x30mm Goalkeeper
MFPBs			
• Ban-Yas (Lürssen TNC-45)	6	44.9/260	4xExocet MM40 SSMs 1x76mm gun to be upgraded
• Mubarraz class (Lürssen)	2	44.9/260	4xExocet MM40 SSMs 1x6 Mistral SAM 1x76mm gun 2x20mm gun to be upgraded
Subtotal	8		
Total	12		
Future procurement			
• Type 332 Mine hunter	2		Ex-German navy, to be delivered in 2006
• Baynunah corvettes	6	72/500	

U.A.E.

Patrol Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Ardhana (Vosper Thornycroft type)	6	33.5/110	2x30mm guns 1x20mm gun
• Camcraft 77ft	5	23.4/70	2x20mm guns with Coast Guard
• Camcraft 65ft	16	19.8/50	1x20mm gun with Coast Guard
• Watercraft 45ft	6	13.7/25	
• Boghammar	3	13m	With police
• Baglietto GC-23	6	24/50.7	1x20mm gun with Coast Guard
• Baglietto 59 ft	3	18.1/22	With Coast Guard
• Harbor patrol craft	35	6.6-10m	With Coast Guard
• Protector patrol craft	2	33/180	1x20mm gun 2x12.7mm MGs
• Dhafeer/Spear	10	9-12m	With police
Total	92		
Future procurement			
• Al-Saber	12	34m	To be delivered from 2008.

Landing Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Al-Feyi (Siong Huat LSL)	3	50/650	
• Transportbåt 2000 LCP	12	23.5/43	42 troops or 10 tons
• LCT	7	64/850	2x 12.7mm MG
• 42 m landing craft	2	42/380	40 troops, for use by Special Forces
Total	23		
Future procurement			
• Transportbåt 2000 LCP	4		Further order of 12 already delivered

U.A.E.

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	
Future procurement			
• Fast Supply Vessels	4	26	

Coastal Defense

Type	Quantity	Notes
• MM-40 Exocet	+ Unconfirmed	

Special Forces

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Al-Shaali/Arctic 28	20	8.5/4	
• Sea spray Assault Boats	54	9.5m	2x7.62mm MGs
• Swimmer delivery vehicle	10		

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