

## 9. LEBANON

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### Major Changes

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- Following the war in summer 2006 the Lebanese Armed forces are undergoing some significant changes. The Lebanese Armed Forces received substantial foreign aid, stocks are being refurbished and some new equipment was received – mostly through donations. This includes 9 Gazelle helicopters, 285 HMMWV (300 more to be delivered) from the USA and patrol boats from Germany and from the UAE.
  - The Internal Security Force of the Lebanese Government nearly doubled its force to some 50,000 and is still expanding. The force is part of the ministry of Interior which is controlled by a Sunni Moslem.
  - Hizbullah forces (Non Governmental) renewed all of its stocks of short and medium range artillery rockets and advanced ATGM, which were used extensively during the 2006 war. Their stock may include some Fateh-110 guided missiles and an Air Defense element.
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### General Data

Official Name of the State: Republic of Lebanon

**Head of State:** President Michel Sulayman

**Prime Minister:** Fouad Siniora

Minister of Defense: Elias Murr

Commander-in-Chief of the Armed Forces: Lieutenant General Jean Kahwaj

**Chief of General Staff:** Brigadier General Sawqi al-Massri

**Commander of the Air Force:** Brigadier General George Shaàban

**Commander of the Navy:** Rear Admiral George Maàlouf

Area: 10,452 sq. km.

Population: 4,100,000

## Lebanon

### Demography

<b>Ethnic groups</b>		
• Arabs	3,895,000	95.0%
• Armenians	164,000	4.0%
• Others	41,000	1.0%
<b>Religious groups</b>		
• Shi'ite Muslims	1,312,000	32.0%
• Sunni Muslims	861,000	21.0%
• Druze	246,000	6.0%
• Alawis	41,000	1.0%
• Christians:		
Maronites	861,000	21.0%
Greek Orthodox	328,000	8.0%
Greek Catholic	205,000	5.0%
Armenians	164,000	4.0%
(Orthodox and Catholic)		
• Others	82,000	2.0%

### Economic Data

		2003	2004	2005	2006	2007
• GDP (current prices)	\$ bn	20.0	21.0	22.0	22.0	23.0
• GDP per capita	\$					
• Real GDP growth	%	4.1	7.4	1.1	-4.3	3.6
• Consumer price index	%	3.1	2.2	2.4	4.0	4.2
• External debt	\$ bn	23.0	28.0	29.0	31.0	32.0
<b>Balance of payments</b>						
• Exports fob	\$ bn	2.0	2.0	3.0	3.0	4.0
• Imports fob	\$ bn	-7.0	-9.0	-9.0	-9.0	-12.0
• Current account balance (including services and income)	\$ bn	-5.0	-4.0	-3.0	-1.0	-2.0
<b>Government expenditure</b>						
• Total expenditure	\$ bn	7.02	6.99	6.77	7.88	8.35
• Defense expenditure	\$ bn	0.92	0.95	0.97	1.29	1.4
• Real change in defense expenditure	%	2.2	3.2	2.1	33.0	23.0
• Defense expenditure / GDP	%	4.6	4.5	4.4	5.8	6.1
Population	m	3.9	4.0	4.0	4.1	4.1
Official exchange rate	LE: \$1	1,507.5	1,507.5	1,507.5	1,507.5	1,507.5

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

## Lebanon

### Foreign Military Cooperation

Type	Details
• Foreign forces	Palestinian organizations, 2,000 Iranian instructors with Hezbollah non-government militia in the Bekaa' , UNIFIL force in south Lebanon (13,000 from Belgium, China, Denmark, Finland, France, Ghana, Greece, Hungary, India, Indonesia, Ireland, Italy, South Korea, Malaysia, Nepal, Netherlands, Norway, Poland, Portugal, Slovenia, Slovakia, Spain, Sweden and Turkey)
• Joint maneuvers	Italy (2007), USA (2008)
• Security cooperation agreements	Iran (2008)

## Lebanon

### Arms Trade

#### Arms Procurement and Security Assistance Received

Country	Type	Details
Australia	• Military training	Training of Security Forces (2007)
Belgium	• Arms transfers	Loepard-1 MBTs (2008), YPR APCs (2008)
France	• Arms transfers	HOT ATGMs (2008)
Germany	• Arms transfers	Patrol boats (2008)
Iran	• Military training	Training Common Border Force (2007)
	• Assistance	\$1 billion to Hizbullah and Islamic Jihad (2007)
	• Arms transfers	Falaq artillery rockets (2003) , Mirsad UAVs (2004), C-802 SSMs (2007), Fatah-110 rockets (2007)
Kuwait	• Military training	Advisers and training to Hizbullah and Islamic Jihad (2006)
	• Military training	trainees abroad (2004)
Russia	• Arms transfers	MiG-29 aircraft (2008)
Syria	• Arms transfers	220mm and 302mm MRLs (2006) , Metis-M and Kornet-E ATGMs (2006) , SA-18 SAMs (2007)
UAE	• Arms transfers	AS-342 Gazelle helicopters (2007), Patrol boats (2008), Milan ATGMs (2008)
US	• Military training	Training of pilots (2007)
	• Assistance	Approx. \$20 million military aid (2008)
	• Arms transfers	RHIBs (2005) , HMMWVs (2008), SMAW ATRLs (2007), Upgrading of M113 (2007), Upgrading of helicopters (2008)
	• Military training	Training of Special Forces, Internal Security Forces (2008)

#### Arms Sales and Security Assistance Extended

Country	Type	Details
PA	• Assistance	funding of Hamas operatives (2004)
	• Arms transfers	MRLs , mortars (2004)
	• Military training	Training by hizbullah (2004)

## Lebanon

### Strategic Assets

#### NBC Capabilities

##### Nuclear capability

No nuclear capability. Party to the NPT.

##### Chemical weapons and protective equipment

No known CW activity. Party to the CWC.

##### Biological weapons

No known BW activities. Party to the BWC.

### Armed Forces

#### Order-of-Battle

	2005	2006	2007	2008	2009
<b>General data</b>					
• Personnel (regular)	61,400	61,400	61,400	61,400	61,400
<b>Ground Forces</b>					
• Number of brigades	12	12	12	12	12
• Tanks	280 (350)	280 (350)	240 (350)	240 (350)	240 (350)
• APCs/AFVs	1,235 (1,380)	1,235 (1,380)	1,520 (1,665)	1,545 (1,680)	1,545 (1,680)
• Artillery (including MRLs)	~335	~335	~335	~335	~335
<b>Air Force</b>					
• Helicopters	14 (36)*	14 (36)	24 (38)	36 (43)	36 (43)
<b>Navy</b>					
• Patrol craft	20	27	38	40	40

\* Due to change in estimate.

#### Personnel

	Regular	Reserve	Total
Ground Forces	60,000	15,000	75,000
Air Force	1,000		1,000
Navy	400		400
<b>Total</b>	<b>61,400</b>		<b>76,400</b>
<b>Paramilitary</b>			
• Gendarmerie/ internal security	50,000		50,000

## Lebanon

### Ground Forces

#### Formations

	corps	Independent brigades	Independent Regiments
Armored			2
Mechanized		5	
Infantry		6	
Presidential guard		1	
Special forces/ Airborne/ Intervention	1		3
Artillery			2
Support/ Logistics/ Medical			3
<b>Total</b>		<b>12</b>	<b>8</b>

#### Tanks

Model	Quantity	In service	Since	Notes
<b>MBTs</b>				
<b>Medium and low quality</b>				
• T-55/upgraded T-54	180	180	1985	
• M48 A1/A5	130	60	1983	
Subtotal	310	240		
<b>Light tanks</b>				
• AMX-13/105mm gun	20	0	1982	Obsolete
• AMX-13/75mm gun	20	0	1981	Obsolete
Subtotal	40	0		
<b>Total</b>	<b>350</b>	<b>240</b>		
<b>Future procurement</b>				
• Leopard-1	43			Under negotiations

## Lebanon

<b>APCs/AFVs</b>					
Model	Quantity	In service	Since	Notes	
<b>APCs</b>					
• M113 A1/A2	1,100	1,100	1970	100 of which to be upgraded	
• M-3 (Panhard VIT)	15	15	1976		
Subtotal	1,115	1,115			
<b>IFVs</b>					
• VAB-VCI/VTT	100	100	1984		
• V-150 Commando	50	0	1981		
Subtotal	150	100			
<b>Reconnaissance</b>					
• AML-90	80	45	1993		
• Saracen/Saladin	60	0	1979	Possibly phased out	
Subtotal	140	45			
<b>Light Armored Vehicles</b>					
• HMMWV	285	285	2007		
<b>Total</b>	<b>1,680</b>	<b>1,545</b>			
<b>Future procurement</b>					
• HMMWV	300				
• YPR-765	71			Under negotiations	

<b>Artillery</b>					
Model	Quantity	In service	Since	Notes	
<b>Towed guns and howitzers</b>					
• 155mm M198	36	36	1984		
• 155mm M114	20	20	1980		
• 155mm M50	12	12	1970		
• 130mm M46	20	20	1986		
• 122mm D-30	24	24	1985		
• 122mm M-1938	36	36	1973		
• 105mm M101A1	15	15	1982		
• 105mm M102	10	10	1983		
Subtotal	173	173			
<b>Mortars, under 160mm</b>					
• 120mm Brandt M-50 and M-60	130	130	1973		
<b>MRLs</b>					
• 122mm BM-21/BM-11	30	30	1993		
<b>Total</b>	<b>335</b>	<b>335</b>			

## Lebanon

### Logistics and Engineering Equipment

M578 recovery vehicles (25), Minecat 230 minesweeper, Bozena minesweeper
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### Anti-Tank Missiles

Model	Quantity	In service	Since	Notes
• SMAW-D/ AT4-CS	1,000	1,000	2007	
• MILAN	100	100	2008	
<b>Total</b>	<b>1,100</b>	<b>1,100</b>		

## Air Force

### Order-of-Battle

Category	Quantity	In service	Notes
Helicopters	43	36	

### Combat Aircraft

Model	Quantity	In service	Since	Notes
<b>Future procurement</b>				
• MiG-29	10			Under negotiations

### Helicopters

Model	Quantity	In service	Since	Notes
<b>Attack helicopters</b>				
• SA-342 Gazelle	13	13	2007	
<b>Medium transport</b>				
• UH-1H (Bell 205)	22	15	1995	
• SA-330 Puma (possibly IAR-330)	3	3	2008	Refurbished
• AB-212	5	5	2008	Refurbished
Subtotal	30	23		
<b>Total</b>	<b>43</b>	<b>36</b>		

### Advanced Armament

HOT ATGMs (40)
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### Air Force Infrastructure

<b>Military airfields</b>	<b>3</b>
Rayaq, Kleiat, Beirut	



## Lebanon

### Air Defense Forces

#### Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
<b>Shoulder-launched missiles</b>				
• SA-7 (Grail)		20	2000	

#### Other Air Defense Systems

Model	Quantity	In service	Since	Notes
<b>Short-range guns</b>				
• 40mm M42 SP	10	10	1966	Probably in storage
• 23mm ZU 23x2	10	10	1981	
• 23mm ZU 23x2 SP	+	+	1985	On M113
• 20mm	+	+	1984	Probably in storage
<b>Total</b>	<b>~ 75</b>	<b>~ 75</b>		

### Navy

#### Patrol Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• Aamchit	1	34m	From German Navy drawdown
• Naquora	1	20/32	From German Navy drawdown
• Tabarja	1	27.8/126	From German Navy drawdown
• Patrol Boats	5	14m	Donated by UAE
• Patrol Boats	5	10m	Donated by UAE
• Tracker II class	7	20/38	3x12.7mm guns
• Inshore patrol craft (M-boot)	20	8.2/6	Additional 5 non operational
<b>Total</b>	<b>40</b>		
<b>Future procurement</b>			
• 36m Patrol Boats	3		

## Lebanon

### Landing Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• EDIC class LCT	2	59/670	16 Troops 8 APCs 1x81mm MRL 2x20mm guns

### Naval Special Operation Forces

Type	Quantity	Length (m.)/ displacement (t.)	Notes / armament
• RHIBs	7		

### Naval Infrastructure

Naval bases	5		
Beirut, Junieh, Sidon, Tripoli, Tyre			
Ship maintenance and repair facilities			
55 meter slipway for light craft repairs in Junieh			

## Major Non-Governmental Paramilitary Forces

### Personnel

	Active	Reserves	Total
• Hizbullah	2,500	25,000	28,000
• Popular Liberation Army (Druze)		10,000	10,000
• Amal	50-100	10,000	10,000

## Lebanon

<b>Equipment</b>				
<b>Organization</b>	<b>Category</b>	<b>System</b>	<b>Notes</b>	
<b>Hizbullah</b>	APCs	<ul style="list-style-type: none"> <li>• M113</li> </ul>		
	Mortars	<ul style="list-style-type: none"> <li>• 81mm</li> <li>• 120mm</li> </ul>		
	MRLs	<ul style="list-style-type: none"> <li>• 122mm BM-21</li> <li>• 220mm Raad</li> </ul>	Syrian made rockets	
	Artillery rockets		<ul style="list-style-type: none"> <li>• 240mm Fajr-3</li> </ul>	
			<ul style="list-style-type: none"> <li>• 302mm Khaibar</li> </ul>	Syrian made rockets
			<ul style="list-style-type: none"> <li>• 333mm Falaq</li> </ul>	
			<ul style="list-style-type: none"> <li>• 333mm Fajr-5</li> </ul>	Allegedly controlled by Iranian Revolutionary Guards
	ATGMs		<ul style="list-style-type: none"> <li>• 610mm Zelzal-2</li> </ul>	}
			<ul style="list-style-type: none"> <li>• Fatah-110</li> </ul>	Allegedly
			<ul style="list-style-type: none"> <li>• AT-3 Sagger</li> </ul>	
			<ul style="list-style-type: none"> <li>• AT-4 Fagot</li> </ul>	
			<ul style="list-style-type: none"> <li>• RPG-29</li> </ul>	
			<ul style="list-style-type: none"> <li>• Metis-M</li> </ul>	
	Anti-ship missiles		<ul style="list-style-type: none"> <li>• Kornet-E</li> </ul>	
			<ul style="list-style-type: none"> <li>• TOW</li> <li>• C-802</li> </ul>	Allegedly controlled by Iranian Revolutionary Guards
Aircraft		<ul style="list-style-type: none"> <li>• Ultra-light aircraft</li> </ul>		
UAVs		<ul style="list-style-type: none"> <li>• Mirsad-1</li> </ul>	Originally Iranian "Muhajer-4"	
Air Defense		<ul style="list-style-type: none"> <li>• SA-7/ Saeqh-1/ QW-1</li> </ul>		
		<ul style="list-style-type: none"> <li>• SA-16</li> </ul>		
		<ul style="list-style-type: none"> <li>• SA-18</li> </ul>	Allegedly	
		<ul style="list-style-type: none"> <li>• Stinger</li> </ul>		
		<ul style="list-style-type: none"> <li>• ZU-23x2</li> <li>• 57mm</li> </ul>		