

## 9. LEBANON

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### Major Changes

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- Due to changes in Lebanon's government, the future of the US military aid to Lebanon remains unclear.
  - Hizbullah forces (Non Governmental) stocks now some 50,000 rockets of all sizes. In particular – they received the M600 medium range ballistic missiles from Syria, as well as allegedly some Scud systems as well.
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### General Data

**Official Name of the State:** Republic of Lebanon

**Head of State:** President Michel Suleiman

**Prime Minister:** Najib Mikati

**Minister of Defense:** Elias Murr

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

**Chief of General Staff:** Brigadier General Shawki al-Masri

**Commander of the Air Force:** Brigadier General Ghassan Chahine

**Commander of the Navy:** Rear Admiral Ali al-Moallem

**Area:** 10,452 sq. km.

**Population:** 4,300,000

## Lebanon

### Demography

Ethnic groups		
• Arabs	3,895,000	95.0%
• Armenians	164,000	4.0%
• Others	41,000	1.0%
Religious groups		
• 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 (Orthodox and Catholic)	164,000	4.0%
• Others	82,000	2.0%

### Economic Data

		2006	2007	2008	2009	2010
• GDP (current prices)	\$ bn	22.4	25.1	28.8	30.2	NA
• GDP per capita	\$	5,463	5,976	6,857	7,190	NA
• Real GDP growth	%	0.6	7.5	9.0	7.8	7.2
• Consumer price index	%	5.6	9.3	5.5	2.0	4.0
• External debt	\$ bn	30.8	31.8	33.8	36.2	NA
Balance of payments						
• Exports fob	\$ bn	3.2	4.1	5.1	4.7	4.25
• Imports fob	\$ bn	-9.3	-11.9	-16.3	-16.7	-17.97
• Current account balance	\$ bn	-1.25	-1.3	-3.1	-3.0	-3.7
Government expenditure						
• government expenditure	%	35.1	33.3	34.5	39.5	NA
• Defense expenditure	\$ bn	1.0	1.15	1.17	1.43	1.63
• Real change in defense expenditure	%	4.2	15.0	1.7	22.2	14
• Defense expenditure / GDP	%	4.5	4.6	4.0	4.7	NA
Population	m	4.1	4.2	4.2	4.2	4.3
Official exchange rate	L£: \$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
<ul style="list-style-type: none"> <li>• Foreign forces</li> </ul>	Palestinian organizations, 2,000 Iranian instructors with Hezbollah non-government militia in the Bekaa' , UNIFIL force in south Lebanon (11,500 from Bangladesh, Belgium, Brunei, China, Croatia, Cyprus, El-Salvador, France, Germany, Ghana, Greece, Guatemala, Honduras, Hungary, India, Indonesia, Ireland, Italy, South Korea, Luxemburg, Malaysia, Macedonia, Nepal, Niger, Portugal, Qatar, Sierra Leone, Slovenia, Spain, Tanzania and Turkey)
<ul style="list-style-type: none"> <li>• Joint maneuvers</li> </ul>	Italy (2007), USA (2008)
<ul style="list-style-type: none"> <li>• Security cooperation agreements</li> </ul>	Iran (2008), Turkey (2009), UNIFIL (2011)

### Arms Trade

#### Arms Procurement and Security Assistance Received

Country	Type	Details
Australia	<ul style="list-style-type: none"> <li>• Military training</li> </ul>	Training of Security Forces (2007)
Belgium	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Loepard-1 MBTs (2008), YPR APCs (2009)
France	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	HOT ATGMs (2010) , upgrading of Gazelle helicopters (2010)
Germany	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Patrol boats (2008)
Iran	<ul style="list-style-type: none"> <li>• Military training</li> </ul>	Training Common Border Force (2007)
	<ul style="list-style-type: none"> <li>• Assistance</li> </ul>	\$1 billion to Hezbollah and Islamic Jihad (2007)
	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	C-802 SSMs (2007), Fatah-110 rockets (2007)
	<ul style="list-style-type: none"> <li>• Military training</li> </ul>	Advisers and training to Hezbollah and Islamic Jihad
	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	Mi-24 helicopters (2010), T-72 MBTs (2010), 130mm M-46 guns (2010)
Russia	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	SA-18 SAMs (2007), M600 SSMs (2010), Scud-B SSMs (2010)
Syria	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	SA-18 SAMs (2007), M600 SSMs (2010), Scud-B SSMs (2010)
UAE	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	AS-342 Gazelle helicopters (2007), Patrol boats (2008), Milan ATGMs (2008), IAR-330 Puma helicopters (2010), AW139 helicopter (2008) , Hawk Mk.63 aircraft (2010)
US	<ul style="list-style-type: none"> <li>• Military training</li> </ul>	Training of pilots (2007)
	<ul style="list-style-type: none"> <li>• Assistance</li> </ul>	Approx. \$100 million military aid (2010)
	<ul style="list-style-type: none"> <li>• Arms transfers</li> </ul>	RHIBs (2009) , HMMWVs (2009), SMAW ATRs (2007), Upgrading of M113 (2007), Upgrading of helicopters (2008), 155mm M198 guns (2010), Raven UAVs (2010), AC-

## Lebanon

Country	Type	Details
		208 aircraft (2009), S-61N helicopters (2009), 120mm mortars (2010), R44 Raven helicopters (2010), AMP-145 Peace Bloc (2011)
	<ul style="list-style-type: none"><li>• Military training</li></ul>	Training of Special Forces, Internal Security Forces (2010), Trainees in USA (2010)

### Arms Sales and Security Assistance Extended

Country	Type	Details
PA	<ul style="list-style-type: none"><li>• Assistance</li><li>• Arms transfers</li><li>• Military training</li></ul>	funding of Hamas operatives (2008) MRLs , mortars (2008) Training by hizbullah (2008)

## 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.

## Lebanon

### Armed Forces

#### Order-of-Battle

	2007	2008	2009	2010	2011
<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	240 (350)	240 (350)	240 (350)	240 (350)	240 (350)
• APCs/AFVs	1,520 (1,665)	1,545 (1,680)	1,800 (1,950)	1,860 (2,010)	1,860 (2,010)
• Artillery (including MRLs)	~335	~335	~335	~335	~335
<b>Air force</b>					
• Combat aircraft		2	5	5	5
• Helicopters	24 (38)	36 (43)	48 (57)	50 (59)	53 (62)
<b>Navy</b>					
• Patrol craft	38	40	41	41	41

\* 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			7
Artillery			2
Support/ Logistics/ Medical			3
<b>Total</b>		<b>12</b>	<b>14</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>				
• T-72	31			Under negotiations
• Leopard-1	43			Under negotiations

#### APCs/AFVs

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	
• YPR-765	28	28	2009	Being delivered
Subtotal	1,143	1,143		
<b>IFVs</b>				
• VAB-VCI/VTT	100	100	1984	
• V-150 Commando	50	0	1981	

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Model	Quantity	In service	Since	Notes
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	600	600	2007	
<b>Total</b>	<b>2,010</b>	<b>1,860</b>		
<b>Future procurement</b>				
• HMMWV	300			Being delivered
• YPR-765	71			Being delivered

### Artillery

Model	Quantity	In service	Since	Notes
<b>Towed guns and howitzers</b>				
• 155mm M198	77	77	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>		
<b>Future procurement</b>				
• 130mm M-46	36			Under negotiations
• 155mm M198	30			Under negotiations
• 120mm mortars	24			Delivery by 2012

### Logistics and Engineering Equipment

M578 recovery vehicles (25), Minecat 230 minesweeper, Bozena minesweeper
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## Lebanon

### 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
Combat aircraft	5	5	
Helicopters	62	53	

#### Combat Aircraft

Model	Quantity	In service	Since	Notes
<b>Ground attack</b>				
• AC-208 Caravan	1	1	2009	
• FGA-70 Hawker Hunter	4	4	2009	Refurbished
<b>Total</b>	<b>5</b>	<b>5</b>		
<b>Future procurement</b>				
• Hawk Mk 63	10			Under negotiations
• AC-208 Caravan	2			Possible future delivery

#### Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
• B.125 Bulldog	2	2	2010	Refurbished



## Lebanon

### Helicopters

Model	Quantity	In service	Since	Notes
<b>Attack helicopters</b>				
• SA-342 Gazelle	13	13	2007	From UAE drawdown
<b>Heavy transport</b>				
• S-61N Sea King	3	3	2009	From US drawdown
<b>Medium transport</b>				
• AB-212	5	5	2008	Refurbished
• AW 139	1	1	2008	VIP transport
• UH-1H (Bell 205)	23	14	1995	To be refurbished
• SA-330 Puma (possibly IAR-330)	13	13	2008	From UAE drawdown
Subtotal	42	33		
<b>Light transport</b>				
• R44 Raven	4	4	2009	
<b>Total</b>	<b>62</b>	<b>53</b>		
<b>Future procurement</b>				
• Mi-24	6			

### Miscellaneous Aircraft

Model	Quantity	In service	Since	Notes
<b>Mini-UAVs</b>				
• RQ-11 Raven	12	12	2010	

### Advanced Armament

HOT ATGMs (40)

Future procurement

HOT ATGMs (100)

### Air Force Infrastructure

Military airfields	3			
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
• Al-Kalamoun PB	1	30.3/67	1x12mm MG Ex-French Customs
• Interceptor craft	4	14.5m	Donated by UAE
• Interceptor craft	6	12.5m	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>41</b>		
<b>Future procurement</b>			
• 42m AMP-145 PB	1		Delivery by 2012

## 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
• RIBs	20	9	

### **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>	
Hizbullah	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	
	SSMs	<ul style="list-style-type: none"> <li>• M600 / Fatah-110</li> <li>• 610mm Zelzal-2</li> </ul>	} Allegedly controlled by Iranian Revolutionary Guards	
	Artillery rockets		<ul style="list-style-type: none"> <li>• Scud-B</li> </ul>	Allegedly
			<ul style="list-style-type: none"> <li>• 240mm Fadjr-3</li> </ul>	
			<ul style="list-style-type: none"> <li>• 302mm Khaibar</li> <li>• 333mm Falaq</li> </ul>	Syrian made rockets
			<ul style="list-style-type: none"> <li>• 333mm Fadjr-5</li> </ul>	Allegedly controlled by Iranian Revolutionary Guards
	ATGMs	<ul style="list-style-type: none"> <li>• AT-3 Sagger</li> <li>• AT-4 Fagot</li> <li>• RPG-29</li> <li>• Metis-M</li> <li>• Kornet-E</li> <li>• TOW</li> </ul>		
	Anti-ship missiles	<ul style="list-style-type: none"> <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> <li>• SA-16</li> <li>• SA-18</li> <li>• Stinger</li> <li>• ZU-23x2</li> <li>• 57mm</li> </ul>	Allegedly	