

## Sudan

# 16. SUDAN

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### Major Changes

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- The Sudanese armed forces underwent a major reorganization. No data available except new appointments in the high command.
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### General Data

**Official Name of the State:** The Republic of Sudan

**Head of State:** President Omar Hassan Ahmad al-Bashir

**Defense Minister:** Abdul Rahim Mohammed Hussein

**Chief of General Staff:** Lt. General Ahmed Ali Jili

**Inspector General of the Armed Forces:** General Mohammed Abdul Qader Nasser Eddin

**Commander of the Army:** General Mohammed Mahmoud Jama

**Commander of the Air Force:** Air Marshal Hassan Abdul Qader

**Commander of the Navy:** Vice Admiral al-Zein Bala

**Area:** 2,504,530 sq. km.

**Population:** 37,000,000

## Sudan

### Demography

<b>Ethnic groups</b>		
• Arabs	14,430,000	39%
• Nilotics	19,240,000	52%
• Beja	2,220,000	6%
• Foreigners	740,000	2%
• Others	370,000	1%
<b>Religious groups</b>		
• Sunni Muslims	25,900,000	70%
• Indigenous beliefs	9,250,000	25%
• Christians (Coptic, Greek Orthodox, Catholic, Protestant)	1,850,000	5%

### Economic Data

		2002	2003	2004	2005	2006
• GDP (current prices)	\$ bn	16.4	19.1	23.0	29.6	39.7
• GDP per capita	\$					
• Real GDP growth	%	6.1	5.1	5.2	7.9	9.6
• Consumer price index	%	6.9	7.7	8.4	8.5	7.5
• External debt	\$ bn	23.6	24.2	26.3	27.7	29.2
<b>Balance of payments</b>						
• Exports fob	\$ bn	1.95	2.54	3.78	4.82	5.97
• Imports fob	\$ bn	2.29	2.54	3.59	5.95	8.69
• Current account balance (including services and income)	\$ bn	-1.0	-0.95	-0.87	-3.0	-5.47
<b>Government expenditure</b>						
• Total expenditure	\$ bn	1.91	NA	NA	NA	NA
• Defense expenditure	\$ bn	0.35	0.32	NA	NA	NA
• Real change in defense expenditure	%	NA	-8.57	NA	NA	NA
• Defense expenditure/GDP	%	2.8	2.05	NA	NA	NA
Population	M	34.2	34.9	35.5	36.2	37.0
Official exchange rate	SD:\$1	263.3	261.0	257.9	243.6	217.1

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

## Sudan

### Foreign Military Cooperation

Type	Details
• Foreign Forces	PRC (alleged presence of forces for the defense of Chinese-operated oil fields) (2005); African Union protection force in Darfur province (7,800 personnel), UNMIS (2005)
• Security agreements	Syria (2000), Egypt (2001), Russia (2002)

### Arms Trade

#### Arms Procurement and Security Assistance Received

Country	Type	Details
Belarus	• Arms transfers	ARVs, APCs, IFVs and artillery guns (2004)
India	• Military training • Arms transfers	Training of troops (2003) Surveillance radar (2005)
Iran	• Military training	IRGC personnel; trainees abroad
PRC	• Arms transfers • Military training	Upgrading of Mi-8 helicopters (2004) Military advisers (alleged)
Russia	• Arms transfer	BTR 80A (2003)
Syria	• Military training	Trainees abroad (2004)
Ukraine	• Arms transfers	MiG-21 aircraft (2004)

#### Arms Sales and Security Assistance Extended

Country	Type	Details
Iran	• Facilities	Iranian IRGC; facilities for Iranian ships at Port Sudan
Lebanon	• Facilities	Training facilities for Hizballah, Islamic Jihad

## Sudan

### Strategic Assets

#### NBC Capabilities

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##### Nuclear capability

No known nuclear activity. Party to the NPT.

##### Chemical weapons and protective equipment

Alleged CW from Iran (unsubstantiated); Alleged production of CW (unsubstantiated);

Personal protective equipment; unit decontamination equipment.

Party to the CWC.

##### Biological weapons

No known BW activities. Party to the BWC.

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### Armed Forces

#### Order-of-Battle

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Year	2003	2004	2005	2006	2007
<b>General data</b>					
• Personnel (regular)	104,000	104,000	104,000	104,000	104,000
<b>Ground Forces</b>					
• Divisions	9	9	9	9	9
• Total number of brigades	61	61	61	61	61
• Tanks	~350	~350	350	350	350
• APCs/AFVs	~575 (~745)	~575 (~745)	670 (810)	670 (810)	670 (810)
• Artillery (including MRLs)	~778 (~793)	~778 (~793)	810 (815)	810 (815)	810 (815)
<b>Air Force</b>					
• Combat aircraft	~51 (71)	~50 (72)	40 (62)	40 (62)	40 (62)
• Transport aircraft	24	24	14	14	14
• Helicopters	75 (87)	75 (87)	43 (48)	43 (48)	43 (48)
<b>Air Defense Forces</b>					
• Heavy SAM batteries	20	20	20	20	20
<b>Navy</b>					
• Patrol craft	16	16	15	15	15

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\* Due to change in estimate.

## Sudan

### Personnel

	Regular	Reserves	Total
Ground Forces	100,000		100,000
Air Force	3,000		3,000
Navy	1,000		1,000
<b>Total</b>	<b>104,000</b>		<b>104,000</b>
<b>Paramilitary</b>			
• People's Defense Forces	15,000	85,000	100,000
• Border Guard	2,500		2,500

### Ground Forces

#### Formations

	Divisions	Independent brigades/groups
Armored		1
Mechanized/ Infantry		7
Airborne		1
Artillery		3
Reconnaissance		1
Engineering		1
<b>Total</b>	<b>10</b>	<b>28</b>

#### Tanks

Model	Quantity	In service	Since	Notes
<b>MBTs</b>				
<b>Medium and low quality</b>				
• M60 A3	20	20	1981	
• T-54/ T-55/Type 59	~250	~250	1969	Number unconfirmed
• Type 62	70	70	1972	
<b>Total</b>	<b>~350</b>	<b>~350</b>		

## Sudan

<b>APCs/AFVs</b>				
<b>Model</b>	<b>Quantity</b>	<b>In service</b>	<b>Since</b>	<b>Notes</b>
<b>APCs</b>				
• al-Walid	150	100	1986	
• M-113	80	36	1982	
• BTR-152	80	80	1960	
• BTR-50	20	20	1970	
• BTR-80A	47	47	2001	
• Fahd	*	*	1989	
• M-3 (Panhard)	*	*	1983	
• OT-62	20	20		
• OT-64	55	55	1973	
Subtotal	~455	~360		
<b>IFVs</b>				
• V-150 Commando	100	55	1984	
• BMP-2	20	20	2004	
• AMX-VCI	+	+		
Subtotal	120	75		
<b>Reconnaissance</b>				
• BRDM-2	120	120	1980	
• Saladin	50	50	1961	
• AML-90	5	5		
Subtotal	175	175		
<b>Light Armored Vehicles</b>				
• Ferret	60	60	1960	
<b>Total</b>	<b>810</b>	<b>670</b>		
<b>Future procurement</b>				
• BTR 80A	10			Being delivered.

## Sudan

### Artillery

Model	Quantity	In service	Since	Notes
<b>Self-propelled guns and howitzers</b>				
• 155mm Mk F-3 (AMX)	10	6	1984	
• 122mm 2S1	10	10	2003	
Subtotal	20	16		
<b>Towed guns and howitzers</b>				
• 155mm M-114	20	12	1981	
• 130mm Type 59 /M-46	75	75		
• 122mm D-30	22	22	2002	
• 105mm M-101	20	20		
Subtotal	137	129		
<b>Mortars, under 160mm</b>				
• 120mm	+	+	1970	
<b>MRLs</b>				
• 122mm BM-21	90	90	1989	
• 122mm Saqr	50	50	1986	
• 122mm type 81	18	18	1992	
• 107mm Type 63	500	500		
Subtotal	658	658		
<b>Total</b>	<b>815</b>	<b>810</b>		

### Anti-Tank Missiles

Model	Launchers	Missiles	Since	Notes
• BGM-71C improved TOW	+	+		Not all serviceable
• AT-3 (Sagger)	+	+		

## Sudan

### Air Force

#### Order-of-Battle

Category	Quantity	In service	Notes
• Combat	62	40	
• Transport	14	14	
• Helicopters	48	43	

#### Combat Aircraft

Model	Quantity	In service	Since	Notes
<b>Interceptors</b>				
• MiG-29	12	12	2003	
• MiG-23	2	2	1987	
Subtotal	14	14		
<b>Multi-role</b>				
• F-5E/F	8	0	1984/1982	
<b>Obsolete</b>				
• F-6 Shenyang/J-6	12	12	1981	
• MiG-21 (Fishbed)/F-7	28	~14	1970	
Subtotal	40	~26		
<b>Total</b>	<b>62</b>	<b>40</b>		
<b>Future procurement</b>				
• MiG-21	12			From Ukraine

#### Transport Aircraft

Model	Quantity	In service	Since	Notes
• An-24 (Coke)/An-26	4	4		
• C-130H Hercules	4	4	1978	
• DHC-5D Buffalo	3	3	1978	
• Fokker F-27	1	1	1974	
• Mystère-Falcon 50	1	1	1983	
• Mystère-Falcon 20	1	1	1978	
<b>Total</b>	<b>14</b>	<b>14</b>		

## Sudan

### Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
<b>Jet trainers</b>				
• BAC-145 Jet Provost	5	5	1969	
• BAC-167 Strikemaster	5	3	1984	
<b>Total</b>	<b>10</b>	<b>8</b>		

### Helicopters

Model	Quantity	In service	Since	Notes
<b>Attack</b>				
• Mi-24	20	20	2002	
<b>Medium transport</b>				
• Mi-8 (Hip)	11	6		
• SA-330/IAR-330 Puma	12	12	1985	
Subtotal	23	18		
<b>Light transport</b>				
• MBB BO-105	5	5	1980	Some serving with police
<b>Total</b>	<b>48</b>	<b>43</b>		

### Advanced Armament

#### Air-to-air missiles

- AA-2 (Atoll)

### Air Force Infrastructure

**Military airfields :** 13

Atbara, al-Fasher, al-Geneina, Juba, Khartoum, Malakal, Merowe, al-Obeid, Port Sudan, Port Sudan (new), Wad Medani, Wadi Sayidina, Wau

## Sudan

### Air Defense Forces

#### Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
<b>Heavy missiles</b>				
• SA-2 (Guideline)	20		1981	
<b>Shoulder-launched missiles</b>				
• SA-7 (Grail)		250	1980	
• MIM-43A Redeye		25	1984	
<b>Total</b>		<b>275</b>		

#### Other Air Defense Systems

Model	Quantity	In service	Since	Notes
<b>Short-range guns</b>				
• 57mm	+	+		
• 40mm	60	60		
• 37mm M-1939	110	80	1973	
• 23mm ZU 23x2	50	50	1984	
• 20mm M-3 VDA	12	12		
• 20mm M163A-1 Vulcan SP	8	8	1986	
• 20mm M167 Vulcan	16	16	1986	
<b>Total</b>	<b>~260</b>	<b>~230</b>		

## Sudan

### Navy

#### Patrol Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Ashoora I class	7	8.1/3	
• Sewart class	4	12.9/9.1	1x12.7mm MG
• Kurmuk (Yugoslav type 15)	4	16.9/19.5	1x20mm gun
<b>Total</b>	<b>15</b>		

#### Landing Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Type II LCVP	5		Delivered from Yugoslavia

#### Auxiliary Vessels

Type	Quantity	Length (m.) / displacement (t.)	Notes / armament
• Yugoslav supply ships	2	47.3/410	1x20mm gun 2x12.7mm MG
• Baraka 21	1		
• Rotork 512 craft	1		
<b>Total</b>	<b>4</b>		

#### Naval Infrastructure

Naval bases :	3
Port Sudan, Flamingo Bay, Khartoum	

## Sudan

### Major Non-Governmental Paramilitary Forces

#### Personnel

	Regular	Reserves	Total	Notes
<ul style="list-style-type: none"> <li>• National Democratic Alliance (NDA)</li> </ul>				A coordinating organization of all active opposition organizations
<ul style="list-style-type: none"> <li>• Sudan People's Liberation Army (SPLA)</li> </ul>	30,000	100,000	130,000	The main non-governmental military organization active in southern Sudan
<ul style="list-style-type: none"> <li>• South Sudan Independence Movement (SSIM)</li> </ul>	10,000		10,000	Also known as SPLA United; in 1996 signed a truce with the government
<ul style="list-style-type: none"> <li>• Sudan Alliance Forces</li> </ul>	1,000-2,000		1,000-2,000	Active in eastern Sudan
<ul style="list-style-type: none"> <li>• Beja Congress Forces</li> </ul>	500		500	Active in eastern Sudan
<ul style="list-style-type: none"> <li>• New Sudan Brigade</li> </ul>	2,000		2,000	Recent activity unknown

#### Equipment

Organization	Category	System	Notes
SPLA	Tanks	<ul style="list-style-type: none"> <li>• T-54/55</li> </ul>	
	MRLs	<ul style="list-style-type: none"> <li>• BM-21</li> </ul>	
	Artillery guns	<ul style="list-style-type: none"> <li>• +</li> <li>• 122mm</li> </ul>	
	Mortars	<ul style="list-style-type: none"> <li>• 120mm</li> <li>• 60mm</li> </ul>	
	Air Defense	<ul style="list-style-type: none"> <li>• SA-7 SAM</li> <li>• 14.5mm AAG</li> </ul>	