

7. JORDAN

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Major Changes

- The Royal Jordanian air force will receive 20 F-16A/B from Belgium and Holland. Meanwhile the RJAF upgrades its older F-16A/B in Turkey.
 - The Jordanian armed forces upgraded 60 M60 MBTs.
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General Data

Official Name of the State: The Hashemite Kingdom of Jordan

Head of State: King Abdullah bin Hussein al-Hashimi

Prime Minister: Maaruf al-Bakhit

Minister of Defense: Faisal al-Fayez

Inspector General of the Armed Forces: Major General Abd Khalaf al-Najada

Chief of the Joint Staff of the Armed Forces: Lieutenant General Khalid Sarayrah

Commander of the Air Force: Major General Hussein al-Biss

Commander of the Navy: Commodore Ali Mahmoud al-Khasawna

Area: 90,700 sq. km.

Population: 5,900,000

Jordan

Demography

Ethnic groups		
• Arabs	5,782,000	98.0%
• Circassians and Armenians	118,000	2.0%
Religious groups		
• Sunni Muslims	5,664,000	96.0%
• Greek Orthodox and other Christians	236,000	4.0%

Economic Data

		2002	2003	2004	2005	2006
• GDP (current prices)	\$ bn	9.6	10.2	11.4	12.7	14.3
• GDP per capita	\$	1,792	1,836	2,036	2,190	2,424
• Real GDP growth	%	5.7	4.1	7.7	7.7	6.2
• Consumer price index	%	1.8	1.6	3.4	3.5	6.3
• External debt	\$ bn	8.1	8.3	8.2	8.3	8.6
Balance of payments						
• Exports fob	\$ bn	2.77	3.1	3.88	4.3	5.1
• Imports fob	\$ bn	4.5	5.1	7.26	9.32	10.15
• Current account balance (including services and income)	\$ bn	0.54	1.18	-0.01	-2.3	-2.32
Government expenditure						
• Total expenditure	\$ bn	3.23	NA	NA	NA	NA
• Defense expenditure	\$ bn	0.78	0.84	NA	NA	NA
• Real change in defense expenditure	%	2.6	7.7	NA	NA	NA
• Defense expenditure/GDP	%	8.2	8.3	NA	NA	NA
Population	m	5.3	5.5	5.6	5.8	5.9
Official exchange rate	JD: \$1	0.709	0.709	0.709	0.709	0.709

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

Jordan

Foreign Military Cooperation

Type	Details
• Cooperation in military training	Turkey (use of facilities and airspace for training of pilots) , UK
• Foreign forces	US (1,000 troops as of 2006) , UK
• Forces deployed abroad	Small contingency force in Afghanistan , Burundi (ONUB), Congo (MONUC) , East Timor (UNMISSET) , Ethiopia and Eritrea (UNMEE) , observers in Georgia (UNOMIG) , Haiti (MINUSTAH), Iraq, Ivory Coast (UNOCI), Kosovo (UNMIK) , Liberia (UNMIL), Sierra Leone (UNAMSIL)
• Joint maneuvers	Egypt (2005), France, GCC (2005), Oman, Qatar, Turkey , UAE, UK , US
• Security agreements	Saudi Arabia , Turkey, US

Jordan

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
Australia	<ul style="list-style-type: none"> • Cooperation in arms production 	SB7 Seeker light aircraft (2003)
France	<ul style="list-style-type: none"> • Arms transfers • Military training 	EC-635 helicopters (2005) Instructors for Special Forces (2004)
Netherlands	<ul style="list-style-type: none"> • Arms transfers 	F-16B aircrafts (2005)
PRC	<ul style="list-style-type: none"> • Arms transfers 	120mm mortars (2006)
Russia	<ul style="list-style-type: none"> • Arms transfers • Cooperation in Arms Production 	IL-76 transport aircraft (2005) KA-226 helicopters (2007)
South Africa	<ul style="list-style-type: none"> • Cooperation in Arms Production 	Ratel-20 IFVs (2003) , Marauder LAVs (2007)
Spain	<ul style="list-style-type: none"> • Arms transfers 	CN-295 aircraft (2003)
Switzerland	<ul style="list-style-type: none"> • Cooperation in Arms Production 	Hybrid turret for MBTs
Turkey	<ul style="list-style-type: none"> • Cooperation in Arms Production 	AAPCs (2003)
UK	<ul style="list-style-type: none"> • Military training • Arms transfers 	Flight simulation, training of helicopter pilots Challenger MBTs (2003), artillery pointing system (2003), tactical communication systems (2004) , Pinzgauer APCs (2004) , Commander HETs (2004) , RG-12 APCs (2006)
	<ul style="list-style-type: none"> • Cooperation in Arms Production • Military training 	al-Jawad APCs (2002) , Defender-110 RVs (2002) , al-Thalab RVs (2005) Trainees abroad
Ukraine	<ul style="list-style-type: none"> • Arms transfers 	Turrets for APCs (2005)
UAE	<ul style="list-style-type: none"> • Cooperation in arms production 	Upgrading of Scorpion ACVs (2003)
US	<ul style="list-style-type: none"> • Arms transfers 	F-16 combat aircraft(2006), IFCS for MBT upgrade (2006), Patriot SAMs (2003) , IDT air-combat debriefing system (2003) , M1070 HETs (2003), S-70 Blackhawk helicopters (2006) , Missile warning systems (2004), C ² system (2004), AIM-120 AMRAAMs (2005), national C ⁴ I system (2005)
	<ul style="list-style-type: none"> • Assistance • Cooperation in arms production • Facilities • Military training 	\$217 million military aid (2007) Upgrading of M113 APCs (2005), Sama CH-2000 light aircraft (2004) Construction of Special Forces training center (2006), upgrade of AFB (2006) Advisers

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Arms Sales and Security Assistance Extended

Country	Type	Details
Australia	<ul style="list-style-type: none"> • Facilities 	Use of facilities for training of Iraqi Police (2004)
Ghana	<ul style="list-style-type: none"> • Arms transfers 	SB7 Seeker aircraft (2004)
Iraq	<ul style="list-style-type: none"> • Arms transfers 	UH-1H helicopters (2004), C-130 aircraft (2004), SB7 Seeker aircraft (2004) , Sama CH2000 aircraft (2006), BTR-94 APCs (2004), Spartan APCs (2004), M113 APCs (2004)
Kuwait	<ul style="list-style-type: none"> • Military training • Arms transfers • Military training 	Training of Iraqi Security forces (2006) AB2 al-Jawad APCs (2003) Training Kuwaiti special forces (2007)
Libya	<ul style="list-style-type: none"> • Arms transfers 	Desert Iris RVs (2004)
Mauritania	<ul style="list-style-type: none"> • Arms transfers 	Al-Thalab RVs (2006)
PA	<ul style="list-style-type: none"> • Military training 	Trainees in Jordan (2005)
Saudi Arabia	<ul style="list-style-type: none"> • Arms transfers 	Desert Iris RVs (2004)
South Africa	<ul style="list-style-type: none"> • Arms transfers 	SB7 Seeker aircraft (2004)
UAE	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	Desert Iris RVs (2004) AB17 Tiger/ Nimr APCs (2007)
US	<ul style="list-style-type: none"> • Facilities 	Use of airfields by combat aircraft
Yemen	<ul style="list-style-type: none"> • Arms transfers 	SB7 Seeker aircraft (2005)

Jordan

Defense Production

	M	P	A
Army equipment			
• Upgrading of Khalid and al-Hussein MBTs	✓	✓	
• Upgrading of M60 and Tariq MBTs	✓	✓	
• Upgrading of Scorpion light tanks	✓		
• Conversion of M47 and M60 tanks to ARVs	✓		
• Conversion of Tariq to Temsah IFVs and MAP APCs	✓		
• Upgrading of M113 APCs to M113MK1J standard		✓	
• Production of AB2 al-Jawad APCs		✓	✓
• Production of modified Land Rover APCs		✓	
• Production of Toyota Land Cruiser, Lenco, Marauder APCs		✓	✓
• Production of AAPCs			✓
• Black Iris\ Desert Iris, al-Thalab and Tiger RVs	✓	✓	
• AB19 Self propelled 107mm MRLs		✓	
• Desert Ranger motorcycles		✓	
• 60mm SP mortar on Desert Iris vehicle	✓		
• RPG-29/32		✓	
• Predator RCWS for Temsah and Rooikat IFVs	✓		
• AB27 copula for M113 APCs	✓		
• High explosives (with assistance from India)	✓		
Air Force equipment			
• I-wing, Jordan Falcon, Jordan Arrow, Silent Eye and TranArrow UAVs	✓	✓	
• KA-226 helicopter			✓
• Sama CH-2000 Trainer aircraft			✓
• SB7L-360 Seeker and Blue Bird light observation aircraft			✓
Naval equipment			
• Light Craft SRB		✓	
Electronics			
• Aerial reconnaissance/ observation system			✓
• Upgrading of avionics (joint venture)	✓		
Optronics			
• Night vision equipment		✓	

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

Jordan

Strategic Assets

NBC Capabilities

Nuclear capability

No known capability. Party to the NPT.

Chemical weapons and protective equipment

No known CW activities. Personal protective and decontamination equipment. Party to the CWC.

Biological weapons

No known BW capability. Party to the BWC.

Jordan

Armed Forces

Order-of-Battle

Year	2003	2004	2005	2006	2007
General data					
• Personnel (regular)	100,700	100,700	100,700	100,700	100,700
Ground Forces					
• Divisions	4	4	4	4	4
• Total number of brigades	14	14	14	14	14
• Tanks	970 (1,467)	975 (1,525)	921 (1,223)*	927 (1,217)	927 (1,217)
• APCs/AFVs	1,813 (2,013)	1,813 (2,013)	1,643 (1,943)*	1,643 (1,943)	1,846 (2,056)
• Artillery (including MRLs)	844 (867)	844 (867)	853 (878)	853 (878)	853 (878)
Air Force					
• Combat aircraft	97 (106)	97 (106)	96 (105)	96 (105)	94 (108)
• Transport aircraft	14	14	14	14	14
• Helicopters	83	85	74 (90)	67	67
Air Defense Forces					
• Heavy SAM batteries	17	17	17	17	17
• Medium SAM batteries	12	12	12	12	12
• Light SAM launchers	50	50	50	50	50
Navy					
• Patrol craft	10	10	10	17	17

* Due to change in estimate.

Jordan

Personnel

	Regular	Reserves	Total
Ground Forces	88,000	60,000	148,000
Air Force	12,000		12,000
Navy	700		700
Total	100,700	60,000	160,700
Paramilitary			
• General Security Forces (including Desert Patrol)	25,000		25,000
• Popular Army		200,000-250,000	200,000-250,000

Note: The Popular Army is not regarded as a fighting force.

Ground Forces

Formations

	Divisions	Independent brigades / groups	Brigades in divisions
Armored	2		3 armd., 1 aty., 1 AD each
Mechanized	2		1 Inf., 2 mech., 1 aty., 1 AD each
Infantry/Royal Guard		1	
Special forces		3	
Artillery		5	
Total	4	7	

Jordan

Tanks				
Model	Quantity	In service	Since	Notes
MBTs				
High quality				
• Al-Hussein	390	390	1999	Challenger I
• Khalid	275	275	1984	Improved Chieftain
Subtotal	665	665		
Medium and low quality				
• Tariq	290	0	1995	Improved Centurion
• M60 Phoenix	182	182	2003	Upgraded M60
• M60 A1/ A3	80	80	1980	Being upgraded
Subtotal	552	262		
Total	1,217	927		
Future procurement				
• al-Hussein	+	+		To be upgraded with Hybrid torrent

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APCs/AFVs					
Model	Quantity	In service	Since	Notes	
APCs					
• M113 A1/A2	1,000	1,000	1968	To be upgraded; including M106 M-30, M901 ITV	
• M113Mk1J	255	255	2004		
• Engesa EE-11	100	100	1987	With General Security Forces	
• Spartan	100	0	2000	Transferred to Iraq	
Subtotal	1,445	1,345			
IFVs					
• Ratel 20	341	341	2003		
• BMP-2	35	35	1989		
Subtotal	376	376			
Reconnaissance					
• Scorpion	45	45	1990/2002	Converted from Light Tanks	
• Saladin/ Saracen	60	0	1963		
Subtotal	105	45			
Light armored vehicles					
• AB5 Defender 110	14	14	2001		
• AB2 al-Jawad	65	65	2001		
• Ferret Hybrid	50	0	2006	Being upgraded from obsolete vehicles	
Subtotal	130	80			
Total	2,056	1,846			
Future procurement					
• Pinzgauer				Under negotiation	
• AAPC	100				
• RG-12	40				
• M113 Mk1J	1,000			Upgraded from kits	
• Ferret hybrid	50			Upgrading of obsolete Ferret RVs	

Jordan

Artillery

Model	Quantity	In service	Since	Notes
Self-propelled guns and howitzers				
• 203mm M-110 A2	128	128	1980	
• 155mm M-109 A2	220	220	1980	
Subtotal	348	348		
Towed guns and howitzers				
• 203mm (8") M-115	25	0	1965	
• 155mm M-114	30	30	1970	
• 155mm M-59 (Long Tom)	10	10	1965	
• 105mm M102 A1	50	50	1970	
Subtotal	115	90		
Mortars, under 160mm				
• 120mm	300	300	1975	
• 107mm M-30	100	100	1975	50 M106 SP
Subtotal	400	400		
MRLs				
• 107mm AB-19	15	15	2002	mounted on HUMMWV/ Desert Iris chassis
Total	878	853		
Future procurement				
• 1200mm SP	+	+		Chinese mortars under negotiations

Ground Radars

Model	Quantity	In service	Since	Notes
Artillery/mortar locating radars				
• AN/TPQ-36/37	7	7	1990	
Future procurement				
• Border control system	+	+	2000	Including ground radars, IR cameras and aerostats

Jordan

Logistic and Engineering Equipment

Aardvark Mk 2 flail (6), Aardvark Mk 3 flail (6) , bridges, mine-clearing plows and bulldozers, UDK-1, HETs (200), M-578 recovery vehicles (30), Chieftain ARVs (6) , Scammell Commander HETs (59)

Future procurement:

M60 ARVs (20) , M1070 HETs (10), Commander HETs (41)

Precision-Guided Munitions

Model	Launchers	Missiles	Since	Notes
• BGM-71A/C TOW	260		1974	
• M901 ITV	93		1988	
• M47 Dragon	310		1976	
• Javelin	30	135	2002	
• 155mm Copperhead		100		Artillery projectiles
Total	663			

Air Force

Order-of-Battle

Category	Quantity	In service	Notes
Combat	108	94	
Transport	14	14	
Helicopters	67	67	

Combat Aircraft

Model	Quantity	In service	Since	Notes
Advanced multi-role				
• F-16 A/B	27	27	1997	Upgraded to MLU standard
Multi-role				
• Mirage F1-C/E	28	24	1981	
• F-5 E/F	53	43	1975	
Subtotal	81	67		
Total	108	94		
Future procurement				
• F-16 A/B	20			Dutch and Belgium AF drawdown

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Transport Aircraft

Model	Quantity	In service	Since	Notes
• C-130H Hercules	5	5	1972	Upgraded
• CASA C-212	2	2	1975	
• Challenger 604	2	2	2001	VIP role
• CN-235	2	2	1998	
• Gulfstream III/IV	2	2	1986	
• L-1011-500	1	1	1984	
Total	14	14		
Future procurement				
• IL-76MF	2			
• CN-295	2			

Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
Jet trainers				
• CASA C-101	10	10	1987	
Piston/Turbo-prop				
• TB-20 Socata	2	2	2000	
• T67M Firefly	16	16	2002	
• BAe-SA-3-125 Bulldog	15	15	1974	
Subtotal	33	33		
Total	46	46		
Future Procurement				
• SB7L Seeker	6			

Jordan

Helicopters

Model	Quantity	In service	Since	Notes
Attack				
• AH-1G/F/S Cobra	26	26	1985	
Medium transport				
• S-70A Black Hawk	5	5	1987	
• AS-332 Super Puma	12	12	1986	
Subtotal	17	17		
Light transport				
• EC-635	9	9	2003	
• Alouette III	1	1	1977	
• MD 500D	8	8	1980	
• MBB BO-105	3	3		With general security forces
• BK-117	3	3		
Subtotal	24	24		
Total	67	67		
Future procurement				
• EC 635	4			To be supplied in 2007
• S-70A Black Hawk	8			To be supplied by 2007

Advanced Armament

Air-to-air-missiles

AIM-9J/M/P Sidewinder (750), AIM-7M Sparrow (96), R-550 Magic

Air-to-ground-missiles

AS-30L (10), AGM-65C Maverick (60)

Bombs

Belouga CBU, Durandal anti-runway bombs

Future procurement

Night vision systems, AIM-120 AMRAAM (50)

Note: Number in parentheses refers to the quantity of missiles purchased, not to current inventory levels.

Air Force Infrastructure

Aircraft shelters

For all combat aircraft

Military airfields

6

Amman (Marka), Azrak, H-4, H-5, Jaafar, Mafrag

Jordan

Air Defense Forces

Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
Heavy missiles				
• Patriot PAC-3	3		2003	American personnel
• MIM-23B Improved HAWK	14		1978	
Total	17			
Medium missiles				
• SA-8 (Osa)	12	50	1982	
Total		50		
Light missiles				
• SA-13 (Strela-10)		50	1986	
Total		50		
Shoulder-launched missiles				
• Javelin		+		
• MIM-43A Redeye		270	1977	
• SA-14 (Strela-3)		300	1987	
• SA-18 (Igla)		240	1991	
• SA-24 (Igla-S)		1,100	2006	
Total		1,900		

Other Air Defense Systems

Model	Quantity	In service	Since	Notes
Short-range guns				
• 40mm M-42 SP	200	0	1966	To be phased out
• 23mm ZSU 23x4 SP (Gun Dish)	45	16	1983	
• 20mm M163 Vulcan SP	100	100	1976	
Total	345	116		
Radars				
• AN/TPS-43	2	2		
• AN/TPS-63	5	5		
• S-711	5	5		
Future Procurement				
• RADIANT C ⁴ I				
• FPS-117	2			

Jordan

Navy

Patrol Craft

Type	Quantity	Length (m.) / displacement (t.)	Notes / armament
• Feisal class (Commander)	4	8.1/3.4	2x12.5mm MGs
• Faysal class (Bertram)	4	11.6/8	1x12.7mm MG
• Abdullah class	4	13.2/14.5	2x12.5mm MGs
• Al-Hussein class (VT Hawk)	3	30.5/124	2x30mm guns 1x20mm gun 2x12.7mm MGs
• Al-Hashim class (type 412)	2	12.7/9	1x12.7mm MG
Total	17		

Special Maritime Forces

Type	Quantity	Length (m.) / displacement (t.)	Notes / armament
• 17ft Launch	4	5.1	
• 19ft GRP	4	5.7	
Future procurement			
• Light Craft SRB	1	10m	For Special Forces

Naval Infrastructure

Naval bases	2		
Aqaba, Hingat al-Ramat			