

GERMANY - BASIC FACTS



Population:	82.4 million
Defence budget 2006:	Euros 27.9 billion (US\$38.5 billion)
GDP:	Euros 2,320 billion (US\$3,201.6 billion)
Land area:	356,700 sq kms (137,200 sq miles)
Capital:	Berlin (Population 3.3 million)
Life expectancy:	79 years
Population growth rate:	0.3 per cent

Total Armed Forces

Army:	190,000 including about 73,000 conscripts (plus about 290,000 reserves)
Navy:	25,500 including about 7,500 conscripts (plus about 17,500 reserves)
Air Force:	67,000 including about 16,000 conscripts (plus about 48,000 reserves)

The Bundeswehr (the generic name for the German Armed Forces) is currently restructuring. Peacetime strength will be cut from around 283,000 to 250,000 by 2010.

MINISTRY OF DEFENCE

Contact Details

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GERMAN ARMY

Army Strength: approximately 190,000 including about 73,000 conscripts (plus about 290,000 reserves). There are plans to reduce the strength of the German Army to around 132,000 by 2010.

In general terms and available for immediate operations are:

- 2 x Armoured infantry divisional headquarters
- 3 x Armoured divisional headquarters
- 1 x Airmobile divisional headquarters
- 1 x Signals/intelligence and 1 x electronic warfare brigade
- 11 x armoured/mechanised infantry brigades (4 x brigades at cadre strength)
- 1 x Mountain infantry brigade
- 1 x Light infantry brigade
- 1 x Air assault brigade
- 1 x Army aviation brigade
- 5 x Support brigades
- German element of the Franco/German Brigade

Approximately 120 battalions (major units)

- 1 x Special Forces Command (KSK) with:
 - 1 x Special forces brigade
 - 2 x Airborne brigades
- Crisis reaction group

Multinational operations

Significant elements of the Germany are earmarked for multinational operations in support of either NATO (Article V – General War) or the European Union as follows.

Allied Command Europe Rapid Reaction Corps (ACE ARRC)

This multi-national corps with its headquarters in Rheindahlen has the 7 (GE) Armoured Division assigned. Should 7 (GE) Armoured Division be deployed under ARRC command, the Polish 10 Armoured Brigade would be assigned to under command 7 (GE) Armoured Division.

I (German/Netherlands) Corps

This corps headquarters in Munster deploys 1 (GE) Armoured Division and the Dutch 1 (NL) Division under NATO Article V arrangements.

2 (German/US) Corps

Located in ULM this headquarters is a NATO HQ available as a force headquarters for Article V operations. In a purely national context this HQ assists with training and national planning tasks.

5 (US/German) Corps

With its headquarters located in Heidelberg this corps has 13 (GE) Mechanised Division assigned for Article V operations.

Multinational Corps North East (MNC NE)

With its headquarters located in Szczecin this corps has 14 (GE) Mechanised Division assigned. Both Denmark and Poland contribute forces to this formation as equal partners.

Eurocorps

This headquarters is located in Strasbourg and the main German contribution is 10 (GE) Armoured Division as well as the German units assigned to the Franco/German Brigade. Other national contributions are from Belgium, France, Luxembourg and Spain. The Eurocorps organisation is covered in detail in earlier chapters.

Major German Army formations are as follows:

1 Armd Div (Hanover)

1 Mech Bde, 5 Armd Bde, 8 Armd Bde

7 Armd Div (Dusseldorf)

14 Armd Bde, 21 Armd Bde

10 Armd Div (Sigmaringen)

23 Mountain Bde, Fr/Ge Bde

13 Mech Div (Leipzig)

12 Armd Bde, 30 Mech Bde, 37 Inf Bde, 38 Mech Bde

14 Mech Div (N-Brandenburg)

18 Armd Bde, 40 Mech Bde, 41 Mech Bde

Airmobile Div (Veitshoechheim)

1 Air Assault Bde, 3 Army Aviation Bde

Special Ops Div (Regensburg)

26 Airborne Bde, 31 Airborne Bde, Special Forces

Support Command (Muhlhausen)

100 Air Def Bde, 100 Arty Bde, 100 Engr Bde, 100 NBC Bde, 200 Logistic Bde

Note:

(1) Expect brigades to have their integral artillery, engineer, logistic, maintenance and medical support.

(2) The Army Office is responsible for doctrine, future concepts, training, army schools and colleges and administration.

(3) In the following references to divisional formations all German divisions are prefixed by GE to avoid confusion with other national formations.

European Union Battlegroups

Germany has agreed to participate in the following 4 x European Union Battlegroups that are to be operational by 2012:

- a. France, Germany, Belgium, Luxembourg
- b. Germany, the Netherlands and Finland
- c. Germany, Austria and the Czech Republic
- d. Poland, Germany, Slovakia, Latvia

Restructuring 2010

Under the plans for the restructured German Army three categories of forces will be created: Response Forces; Stabilisation Forces and Support Forces. Conscripts will not serve with Response Forces. By 2010 the following formation reductions will have been achieved.:

Divisional headquarters reduced from eight to five

Active brigades reduced from 17 to 12

Battalions reduced from 120 to around 70 (depending on future planning assumptions)

These reductions will result in a force grouped around:

Response Forces

Special Operations Division

1 (GE) Armoured Division

Stabilisation Forces

10 (GE) Armoured Division
13 (GE) Mechanised Division
Airmobile Division (DLO)

Support Forces

Army Support Command

German Army – Equipment	
Main Battle Tanks (MBT)	2,000 x Leopard with 350 to be upgraded to A6. To be 852 Leopard by 2010
Reconnaissance (Recce)	409 x SPz-2 Luchs (Wheeled) 114 x TPz-1 Fuchs (NBC) (Wheeled)
Armoured Infantry Fighting Vehicles (AIFV)	2,100 x Marder (Tracked) 130 x Wiesel (Tracked) 410 x Puma (Tracked – on order)
Armoured Personnel Carrier (APC)	1,000 x M-113 (Tracked – estimate) 900 x TPz-1 Fuchs (Wheeled) 147 x Dingo (Wheeled) 21 x Wolf
Self Propelled Artillery (SP Arty)	490 x 155 mm M-109A3G (Tracked and majority in store) 165 x 155 mm PzH 2000
Towed Artillery (Towed)	50 x 105 mm M-101 (Estimate – in reserve) 160 x 155 mm FH-70
Multiple Rocket Launcher (MRL)	150 x 227 mm MLRS 24 x 110 mm LARS (Estimate - in service)
Mortars (Mor)	450 x 120 mm Tampella/Brandt (estimate)
Anti-Tank (Atk)	1500 x Milan ATGW (estimate in service) 180 x HOT ATGW on Jaguar

	100 x TOW ATGW on Wiesel
Low Level Air Defence (LLAD)	30-40 x Roland SAM (in-service)
	1,000 x Stinger SAM (estimate)
	147 x 35 mm Geppard
Army Aviation	120 x BO-105 with TOW ATGW (Attack)
	60 x BO-105M (Recce)
	107 x CH53G Stallion (Support)
	13 x EC-135 (Utility)
	28 x SA 313 Alouette II (Utility)
	118 x UH-1D Iroquois (Utility)
Note : Expect overall armoured vehicle totals to be cut by approximately 45 per cent by 2010	

GERMAN NAVY

Navy Strength: approximately 25,500 including about 7,500 conscripts (plus about 17,500 reserves)

Principal units:

- 13 x Submarines
- 14 x Frigates
- 14 x Patrol Craft
- 25 x Mine Warfare Vessels

Published plans suggest that the future German Navy will consist of about 90 vessels. This total will probably include 8 x submarines, 14 x frigates, 14 patrol and 20 x mine countermeasures vessels.

German Navy Outline Structure

Submarine Division (Eckernforde)

1st Squadron

3rd Squadron

Vessels are Type 206 and Type 212

Frigate Division (Wilhelmshaven)

1st Frigate Squadron (Sachsen Class)

2nd Frigate Squadron (Bremen Class)

4th Frigate Squadron (Bremen Class)

6th Frigate Squadron; (Brandenburg Class)

Mine Warfare Division (Wilhelmshaven)

6th Squadron (Types 332,333 and 352)

Fast Patrol Boat Division (Warnemunde)

2nd FPB Squadron (Type 143)

7th FPB Squadron (Type 143)

Naval Aviation (Eggebek)

3rd Naval Air Squadron (P-3C, Sea Lynx, D0 228)

4th Naval Air Squadron (Sea King Mk 41)

Notes:

(1) The Naval Office is responsible for policy, doctrine, security, training, schools, personnel, medical services, armaments, supply and maintenance.

German Navy – Equipment	
Submarines Tactical (SSK)	11 x Type 206
	2 x Type 212 (2 more on order – possible total of 8)
Frigates (FF)	2 x Sachsen Class
	4 x Brandenburg Class
	8 x Bremen Class
Mine Countermeasures (MCM)	12 x Frankenthal (Type 332)
	5 x Kulmbach (Type 333)
	5 x Ensdorf (Type 352)
Patrol and Coastal Combatants (PCC)	4 x Albatross (Type 143B)
	10 x Geppard (Type 143A)
Miscellaneous	6 x Landing craft

	18 x Support vessels (tankers, cargo, barracks etc)
Naval Aviation	22 x Sea Lynx Mk 88A
	8 x P-3C
	4 x DO 228
	21 x Sea King Mk 41
	38 x NFH 90 on order

GERMAN AIR FORCE

Air Force Strength: approximately 67,000 including about 16,000 conscripts (plus about 48,000 reserves)

Future plans

Germany will purchase 180 x Eurofighter Typhoon aircraft (deliveries in progress) at a cost of 19.5 billion Euros and up to 60 x A400M transport aircraft at a cost of 8.2 billion Euros. Initial operating capability for the A400M is planned for 2009. Up to 42 x NH 90 helicopters are also on order.

We expect to see about 250 x combat aircraft in the German Air Force inventory by 2010.

German Air Force Outline Structure

Air Force Commands are as follows:

Air Force Chief of Staff	(Cologne)
Air Operations Command	(Cologne)
Air Force Support Command	(Cologne)
Air Force Office	(Cologne)
Tactical Command South	(Messtellen)
Tactical Command North	(Kalkar)
Transport Command	(Munster)
EW and Comms Command	(Cologne)

Notes:

(1) The Air Force Office is responsible for policy, doctrine, security, training, schools, personnel, medical services, armaments, supply

and maintenance. Support command provides logistical and maintenance support services.

(2) Tactical Command South has two sub-units: 1st Air Division (HQ Furstenfeldbruck) and 2nd Air Division (HQ Birkenfeld).

(3) Tactical Command North also has two sub-units: 3rd Air Division (HQ Gatow – Berlin) and the 4th Air Division (HQ Aurich)..

(4) Ground based air defence is an integral part of each of the 4 x Air Divisions.

German Air Force Flying Wings		
Designation	Aircraft Type	Location
Fighterbomber Wing 31	Tornado	Norvenich
Fighterbomber Wing 32	Tornado	Lechfeld
Fighterbomber Wing 33	Tornado	Buchel
Reconnaissance Wing 51	Tornado	Schleswig Jagel
Air Transport Wing 61	Transall C-160D, UH-1D	Landsberg
Air Transport Wing 62	Transall C-160D, UH-1D	Wunsdorf & Diepholz
Air Transport Wing 63	Transall C-160D, UH-1D	Hohn
Fighter Wing 71	F-4F Phantom	Wittmundhaven
Fighter Wing 73	Tornado	Laage
Fighter Wing 74	Tornado	Neuburg/Donau
Flight Service 1	Airbus A 310 and Challenger	Koln-Bonn
Flight Service 3	AS 532U2 Cougar	Berlin-Tegel
Test & Evaluation Wing 61	All types	Manching/Ingolstadt
Training Wing	Tornado	Hollman AFB, New Mexico, USA
German Air Force Wings can have large numbers of aircraft – some Tornado Wings have as many 48 aircraft.		

Air defence operations

The assets of the German Air Force are an important element in the NATO air defence organisation in the Central Area. The Tactical Command North's ICAOC (Interim Combined Air Operations Centres) at Kalkar, and the Tactical Command South's ICAOC at Messtellen both report to the NATO CAOC at Uedem (Germany).

Overall air defence operations are coordinated from the NATO Joint Force Component Command HQ (JFCC Air) at Ramstein (Germany).

Land based air defence is structured around six squadrons equipped with Patriot SAM, six squadrons equipped with Hawk SAM and 14 squadrons equipped with Roland SAM. These SAM units are also embedded in the NATO early warning and air defence network.

German Air Force – Equipment	
Fighters (FTR)	44 x Typhoon
Reconnaissance (Recce)	41 x Tornado IDS
Fighter Ground Attack (FGA)	180 x Tornado
	44 x Phantom F-4F (in service)
Suppression of Enemy Air Defence (SEAD)	32 x Tornado ECR
Transport (Tpt)	7 x Airbus A 310
	80 x C-160D Transall
	6 x CL-601 Canadair Challenger
Training (Trg)	35 x T37B
	40 x T-38A
Helicopters (Hel)	80 x UH-1D Iroquois
	3 x AS 532U2 Cougar
	Up to 42 x NH 90 on order
Air launched missiles (ALM)	AIM-9 Sidewinder (AAM)
	ASRAAM (AAM)
	AGM-88A Harm (ARM)
	AGM-65 Maverick (ASM)
	AS-34 Kormoran (ASM)
Surface to Air Missiles (SAM)	36 x Patriot SAM fire units
	24 x Hawk SAM fire units
	45 x Roland SAM fire units (estimate)