

1. The Order of Battle (OOB) of German Land Combat Units from 22nd June to 4th July 1941

1) The German Deployment Matrix

The Orders of Battle (OOB) of the German Army, Waffen SS and Luftwaffe flak combat units, in all areas of the Reich between 22nd June and 4th July 1941, are shown in the series of tables with the common title German Deployment Matrix (shown on pages 10 to 63).

Together, these tables will henceforth be referred to as the ‘German Deployment Matrix’, and all combat units in the ‘German Deployment Matrix’ are classified as being in a Deployed (D) state in the German FILARM model.

For the purposes of this work (i.e. the German FILARM model and the German Deployment Matrix), the terms ‘**the East Front**’ (or the Eastern Front or the East), ‘**the Western Fronts**’ (or the West), and ‘**the Replacement Army**’ are used. These are defined as:

- **The East Front:** includes Army Group North, Army Group Centre, Army Group South, the Norway Army - *Befehlsstelle Finnland* (East Front only) and OKH Reserves.
- **The Western Fronts:** includes Army Group D (also the *Oberbefehlshaber West*), the Norway Army (Norway occupation duties), the 12th Army (Yugoslavia-Serbia-Greece-Crete) and the German Africa Corps (*Deutsches Afrika Korps* - D.A.K).
- **The Replacement Army:** includes all forces under the *Chef Heeresrüstung und Befehlshaber der Erstazarmee* (Chef H.Rust. u. B.d.E. or Commander of the Replacement Army).¹ The Commander of the Replacement Army controlled the German troops in Denmark (the *Befehlshaber der deutschen Truppen in Danemark*) and the Replacement Army troops (*Erstazarmee Truppen*) in the various military districts in Germany, Austria, and the protectorate of Bohemia and Moravia (the *Wehrkreise*).

In addition, for the German FILARM model, the ‘Replacement Army’ includes the administration and security forces under *Militarbefehlshaber* (MB) *Belgien & Nordfrankreich*, MB *Frankreich*, MB *Serbien* and MB *im General-Gouvernement* (Poland), and any additional forces in Germany, Austria and Czechoslovakia (e.g. the Luftwaffe Flak forces).²

All the combat units that existed between 22nd June and 4th July 1941, and that are identified in Volume IIA 3. (The Tables of Organisation and Equipment (TOE) for German Land Combat Units), are listed in the left hand column of the Deployment Matrix pages.

The German Deployment Matrix lists each army group, separate army, separate corps (the DAK), OKH reserves, and major rear area commands in the *Reich* on 22nd June 1941. Within each army group the subordinate armies, panzer groups and army group reserves are shown as columns. In addition, within each army, panzer group and army group reserve, the subordinate corps, army reserves, panzer group reserves and rear-area commands are shown in further columns. The individual combat units assigned to each corps, army reserve, panzer group reserve, or rear-area command, are then listed. Relevant notes at the bottom of each column provide additional information on the combat units listed. Importantly, these notes also provide information on when units transferred from the Western Fronts or the Replacement Army, to the East Front during 1941 (also, refer to chapter Volume IIB 2. on German reinforcements to the East Front).

The German Deployment Matrix indicates that on 22nd June 1941 there were 4 army groups, 4 panzer groups and 13 armies in the *Reich*. They controlled 34 infantry corps, 12 reduced strength special corps, 12 motorised (panzer) corps and 2 flak corps. The divisional forces in the German armed forces, including the Waffen SS, contained 208 ground divisions. These comprised 152 infantry divisions, 4 light infantry divisions, 1 SS police infantry division, 20 panzer divisions, 11 motorised divisions (including the 5th Light Division in Africa), 3 Waffen SS motorised divisions, 1 cavalry division, 6 mountain divisions, 1 parachute division and 9 security divisions.³

¹ The commander of the Replacement Army was Colonel General Friedrich ‘Fritz’ Fromm until 20th July 1944.

² MB *Belgien & Nordfrankreich* (Military Commander Belgium and North France), and MB *Frankreich* (Military Commander France), also reported to the *Oberbefehlshaber West*. The MD *Serbien* (Military Commander Serbia) also came under the 12th Army. These were primarily administration (non-combat) HQs which controlled the district’s military security forces as well as local recruitment and initial indoctrination.

³ The 5th Light Division (in the DAK in North Africa) was still classified as a motorised division in June 1941. It is therefore counted as motorised division in the Deployment Matrix despite having a panzer regiment attached.

The forces outside of the divisions included the following:

- Signals (communication) forces with 12 army/army group signal regiments, 11 army/army group signal battalions and 4 panzer group signal regiments.
- Motorised infantry forces with 5 motorised infantry brigades (including 4 Waffen SS brigades), 3 motorised infantry regiments and 3 motorised infantry battalions.
- Mixed transport infantry forces with 5 infantry regiments and 9.33 infantry battalions (separate companies are each counted as one third of a battalion). The latter comprised 4 infantry battalions, 3 bicycle infantry battalions, 1 infantry battalion for special purpose (zbv), 1 naval infantry battalion and 1 separate mountain company.
- Armoured forces with 2 tank brigades, 2 panzer battalions, 2 panzer companies, 18 assault gun (*Sturmgeschutz*) battalions, 5 independent assault gun batteries and 3 flame tank battalions.⁴
- Mixed transport security and army-militia forces (excluding military-police and order-police units) with 4 (*Ersatz*) security brigades, 45.33 Guard (*Wach*) battalions and 542 Army Militia (*Landeschutzen*) Battalions (separate companies are each counted as one third of a battalion). Of this force, the *Ersatz* brigades, 2.33 *Wach* battalions and 361 *Landeschutzen* Battalions, were in the Replacement Army (*Ersatzarmee*).
- Artillery forces with 2 *Harko* HQs, 59 *Arko* HQs, 40 special artillery regiment HQs (including 1 horse-drawn and 3 railroad artillery HQs), 36 artillery observation battalions (with 6 balloon artillery observation batteries attached), 129 artillery battalions, 7 separate artillery batteries, 171 coastal artillery batteries and 22 railroad artillery batteries.⁵
- Rocket artillery forces with 4 special rocket launcher regiment HQs, 5 *Nebelwerfer* regiments, 7 *Nebelwerfer* battalions, 1 *Nebelwerfer* battery and 8 decontamination battalions (*Entgiftungs-Abteilung*).⁶
- Army flak forces with 10 anti-aircraft battalions, 14 light anti-aircraft battalions and 51 light anti-aircraft companies.⁷ 21 of these self-propelled light AA companies were attached to panzer and motorised divisions, and 2 self-propelled light AA companies were attached to infantry divisions.⁸
- Luftwaffe flak forces with 59 Luftwaffe flak regiment HQs, 308 Luftwaffe mixed flak battalions and 46 Luftwaffe light flak battalions.
- Anti-tank forces with 6 motorised anti-tank battalions, 10 self-propelled anti-tank battalions and 1 self-propelled heavy anti-tank company.⁹
- Machine gun forces with 6 motorised MG battalions and 2 semi-motorised MG battalions.¹⁰
- Cavalry forces with 2 SS cavalry regiments.
- Combat engineer (*Pionier*) and engineer construction forces with 29 special engineer regiment HQs, 23 motorised combat engineer battalions, 31 semi-motorised combat engineer battalions, 6 assault boat companies, 1 armoured mine-clearing battalion, 29 bridge construction battalions (including 2 motorised), 1 bridge construction company and 11 bridge guard-engineer battalions.¹¹
- Bridging forces with 120 motorised type B bridge columns, 49 type A-T bridge columns (including all heavy bridges) and 1 motorised heavy bridge transport battalion (the 800th). This does not include 59 type B bridge columns in panzer divisions (19), motorised divisions (10), motorised *pionier* battalions (25), Waffen SS motorised divisions (3), the LSSAH motorised brigade (1) and the 900th Lehr Brigade (1). Also, it does not include 23 type T columns in the infantry divisions: 16 in 2nd wave infantry divisions, 1 in the 72nd Infantry Division, 1 in the 262nd Infantry Division, and 5 in the 5th wave

⁴ The panzer companies are each counted as one third of a panzer battalion, and the assault gun batteries are each counted as one third of an assault gun battalion, in the Deployment Matrix.

⁵ The separate artillery batteries are each counted as one third of an artillery battalion in the Deployment Matrix. The coastal artillery batteries are each counted as one third of a coastal artillery battalion in the Deployment Matrix.

⁶ The 8./222nd Nebelwerfer Battery in Norway/Finland is counted as one third of a Nebelwerfer battalion in the Deployment Matrix. Includes 3 Road Decontamination Battalions.

⁷ Does not include the 606th AA Battalion in the 5th Light Division, or the new 616th AA Battalion which was still forming.

⁸ These AA companies were attached to the panzer and motorised divisions on a semi-permanent basis, but they were still corps units and were not part of these division's TOEs.

⁹ Excludes the 605th Self-Propelled Anti-Tank Battalion which was permanently attached to the 5th Light Division (DAK).

¹⁰ Excluding the 2nd and 8th MG Battalions in the 5th Light Division (DAK).

¹¹ The 4./17 *Ersatz* Bridge Construction Company (11th Army Reserve) is counted as one quarter of a bridge construction battalion in the Deployment Matrix.

infantry divisions.¹² In addition, it does not include 1 motorised type K bridge column attached to the 62nd Motorised Combat Engineer Battalion.

- Army construction forces with 47 construction HQs and 147 construction battalions. This does not include any battalions from the Todt Organisation (*Organisation Todt* – OT) or the Reich Labour Service (*Reichsarbeitsdienst* – RAD). The construction HQs comprised 10 main construction HQs (*Oberbaustab*), 31 commander of construction troops HQs (*Kommandeur Der Bautruppen*), 4 fortress engineering construction HQs, 1 special purpose construction HQ (in the 4th Army) and 1 special snow clearing HQ in Norway. The construction battalions comprised 101 construction battalions, 23 road construction battalions (including 2 motorised), 7 bicycle road construction battalions, 1 marine construction battalion and 15 fortress construction battalions.
- Railroad engineering and construction forces with 8 railroad engineering (*Eisenbahn-pionier*) regiment HQs, 8 railroad engineering battalion HQs, 53 railroad *pionier* companies, 13 railroad switching companies, 10 railroad engineer construction battalions and 27 railroad engineer construction companies.
- Motorised *Ordnungspolizei* (order-police) forces with 12 motorised police regiment HQs and 41 police rifle battalions. The latter were motorised for the most part, particularly those deployed in the East.
- Motorised *Feldgendarmarie des Heeres* (military field-police of the army) forces with 21 motorised military police battalions and 11 motorised traffic control battalions.
- 16 armoured trains.

From the German Deployment Matrix we can ascertain the German Army, Waffen SS and Luftwaffe flak combat units committed to support Operation Barbarossa (in the East) from 22nd June to 4th July 1941. These forces included those in Army Group North, Army Group Centre, Army Group South, the Norway Army - *Befehlsstelle Finnland* (East Front only) and OKH Reserves. The invasion forces used up to 4th July 1941 were as follows (refer to pages 52-53):

- High level HQs consisting of 3 army-group HQs, 4 panzer group HQs and 8 army HQs.
- Corps level HQs consisting of 31 infantry corps HQs, 3 reduced strength special corps HQs, 10 motorised (panzer) corps HQs, 3 army group rear-area HQs (RHG) and 2 flak corps HQs.
- Divisional forces with 138 ground divisions. These consisted of 90 infantry divisions, 4 light infantry divisions, 1 SS police infantry division, 17 panzer divisions, 9 motorised divisions, 3 Waffen SS motorised divisions, 1 cavalry division, 4 mountain divisions and 9 small security divisions. All the forces listed below were outside of these divisions (note, they are not included in the TOE of these divisions, as shown in Volume IIA 3.)
- Signals (communication) forces with 11 army/army group signal regiments, 6 army/army group signal battalions and 4 panzer group signal regiments.
- Motorised infantry forces with 5 motorised infantry brigades (including 4 Waffen SS brigades), and one and a half motorised infantry regiments.¹³
- Mixed transport infantry forces with 3 security regiments, 2 bicycle infantry battalions, 1 infantry battalion for special purpose (zbv), 1 naval infantry battalion and 1 separate mountain (separate companies are each counted as one third of a battalion).
- Armoured forces with 2 panzer battalions (deployed in Finland), 11 assault gun (*Sturmgeschutz*) battalions, 5 independent assault gun batteries and 3 flame tank battalions.
- Mixed transport security and army-militia forces (excluding military-police and order-police units) with 37 Guard (*Wach*) battalions and 42 Army Militia (*Landeschutzen*) Battalions.
- Artillery forces with 2 *Harko* HQs, 54 *Arko* HQs, 36 special artillery regiment HQs (including 1 horse-drawn artillery HQ), 35 artillery observation battalions (with 6 balloon artillery observation batteries attached), 122 artillery battalions, 7 separate artillery batteries, 13 coastal artillery battalions and 11 railroad artillery batteries.

¹² 17 of these were motorised. The type T bridge column in the 78th Infantry Division and the 5 type T bridge columns in the 5th wave infantry divisions were horse-drawn.

¹³ The LSSAH Brigade's 4th battalion remained in Germany as Hitler's bodyguard unit. This brigade therefore counts as 7/8 brigade in the Deployment Matrix. In addition, only half of the Lehr Regiment Brandenburg (800 zbV) was initially committed to Operation Barbarossa. The companies from this 'Special Forces' unit were distributed amongst the various army groups, and each company of the 800zbV is counted as one sixteenth of the regiment in the Deployment Matrix.

- Rocket artillery forces with 4 special rocket launcher regiment HQs, 5 *Nebelwerfer* regiments, 7 *Nebelwerfer* battalions, 1 *Nebelwerfer* battery and 8 decontamination battalions (*Entgiftungs-Abteilung*).
- Army flak forces with 10 anti-aircraft battalions, 10 light anti-aircraft battalions and 47 light anti-aircraft companies.
- Luftwaffe flak forces with 13 Luftwaffe flak regiment HQs, 41 Luftwaffe mixed flak battalions and 17 Luftwaffe light flak battalions.
- Anti-tank forces with 6 motorised anti-tank battalions, 9 self-propelled anti-tank battalions and 1 self-propelled heavy anti-tank company.
- Machine gun forces with 3 motorised MG battalions.
- Cavalry forces with 2 SS cavalry regiments.
- Combat engineer (*Pionier*) and engineer construction forces with 28 special engineer regiment HQs, 21 motorised combat engineer battalions, 30 semi-motorised combat engineer battalions, 5 assault boat companies, 1 armoured mine-clearing battalion, 27 bridge construction battalions (including 2 motorised) and 1 bridge construction company.
- Bridging forces with 119 motorised type B bridge columns, 45 type A-T bridge columns (including all heavy bridges) and 1 motorised heavy bridge transport battalion (the 800th).¹⁴
- Army construction forces with 41 construction HQs and 126 construction battalions (excluding any battalions from the Todt Organisation (*Organisation Todt* – OT) or the Reich Labour Service (*Reichsarbeitsdienst* – RAD). The construction HQs comprised 7 main construction HQs (*Oberbaustab*), 31 commander of construction troops HQs (*Kommandeur Der Bautruppen*), 2 fortress engineering construction HQs and 1 special purpose construction HQ (in the 4th Army). The construction battalions comprised 94 construction battalions, 23 road construction battalions (including 2 motorised), 7 bicycle road construction battalions and 2 fortress construction battalions.
- Railroad engineering and construction forces with 5 railroad engineering (*Eisenbahn-pionier*) regiment HQs, 7 railroad engineering battalion HQs, 47 railroad *pionier* companies, 10 railroad switching companies, 6 railroad engineer construction battalions and 16 railroad engineer construction companies.
- Motorised *Ordnungspolizei* (order-police) forces with 3 motorised police regiment HQs and 22 motorised police rifle battalions.
- Motorised *Feldgendarmarie des Heeres* (military field-police of the army) forces with 20 motorised military police battalions and 11 motorised traffic control battalions.
- 12 armoured trains.

¹⁴ Includes le.Z. (*Leicht Zerlegbar*) heavy combat bridge columns, H. (*Herbert*) heavy combat bridge columns, and s.S. (*schwere Schiffsbrücke*) heavy bridge columns.

The German Deployment Matrix: Abbreviations Used and Additional Notes

Arm - Armoured	Art - Artillery	Batts - Battalions
Cols - Columns	Comp's - Companies	Const - Construction
Eng - Engineer	Fr - Fortress	G - <i>Wach</i> : Guard Units
Grp - Group	How - Howitzer	Hvy - Heavy
LS - <i>Landeschutzen</i> : Local Defence Units (Militia)		Luft - Luftwaffe
Mot - Motorised	Ob - <i>Oberbaustab</i> HQ	R - Road
Regs - Regiments	Sep - Separate	SP - Self Propelled
Spec P - Special Purpose		

'Construction Reg HQs' and 'Construction Battalions': Excludes Reich Labour Service (RAD) Battalions, and Organisation Todt (OT) Labour Force Battalions.

'Sep Bridge Cols, Type (A-T)* (refer text for detailed descriptions)

- A - Type A Combat Bridge
- B - Type B Medium Combat Bridge
- C - Type C Light Combat Bridge
- D - Light Reconnaissance Bridge on Trucks.
- FR - Captured French Br Equipment
- G - Mountain Bridging Device
- H - Herbert, Heavy Box Girder Floating Bridge
- K - Medium Bridge: Box Materials, pontoons and Trestles
- le.Z. - Heavy Combat Bridge
- s.S. - Heavy Railroad Combat Bridge or Heavy Ships Bridge (Railway)
- T - Former Czech Combat Bridge

* Only separate Bridge Columns are shown. Bridge Columns semi-permanently attached to Divisions or Motorised *Pionier* Battalions are not shown as separate Corps Units: these are included in the TOE of these units from 22nd June to 4th July 1941.

Extract from Volume IIB 1.

Deployment and Composition of the German Army, Waffen SS and Luftwaffe Flak Units, 22nd June 1941									
Army Group North									
18th Army									
	I Corps		XXXXVIII Corps		Army Reserve				No
	Description	No	Description	No	Description	No	Description		No
Army & Panzer Group HQs							18		1
Army HQs	26	1				38			
Corps HQs									1
Panzer Corps HQs							520		1
Army Group Rear Area HQs									
Army & Army Grp Signal Regs									
Army & Army Grp Signal Batts									
Panzer Group Signal Regs									
Infantry Divisions	61, 217	2	1, 11, 21	3		58			1
Panzer Divisions									
Motorised Divisions									
SS Motorised Divisions									
Cavalry Divisions									
Mountain Divisions									
Light Divisions									
<i>Fleiger</i> Divisions									
Motorised Infantry Brigades									
Motorised Infantry Regiments									
Motorised Infantry Battalions									
(Mixed) Infantry Regiments									
(Mixed) Infantry Battalions							7.II./800zBV^^*		1/16
Tank Brigades	402*, MAA^	2					403*^		1
Tank Battalions									
Cavalry Regiments									
Security Divisions or Brigades									
Guard (<i>Wach</i>) Battalions							(571, 531)**^		2
<i>Landeschutzen</i> Battalions									
Artillery HQs, <i>Hario</i> & <i>Arko</i>	113	1	123	1		2			
Art Observation Battalions	12	1	4, 26^	2					
Artillery Reg HQs (Spec P)	818	1	110, 609	2					
Mixed Artillery Battalions									
150mm How Battalions									
105mm Gun Battalions	436, 633	2	II./37, II./58, 536	3					
150mm Gun Battalions									
210mm How Battalions (1)									
210mm How Battalions (2)									
210mm Gun Battalions									
Hvy 240mm How Battalions									
Hvy 240mm Gun Battalions									
Super Hvy How Battalions									
Coastal Artillery Battalions									
Railroad Artillery Batteries									
Anti-Air Battalions									
Light Anti-Air Battalions									
SP Light AA Companies	6./52	1	696*	1			(531, 910, 914)^^^		3
							690		1
							273		1
							604		1
							1/31*, 1/55		2

Excerpt from Volume IIB 1.

Deployment and Composition of the German Army, Waffen SS and Luftwaffe Flak Units, 22nd June 1941					
Table German Deployment Matrix					
Army Group North					
4th Panzer Group (4th Panzer Army from 1st January 1942)					
XXXXI Corps (Mot)		LVI Corps (Mot)		Pz Group Reserve	
Description	No	Description	No	Description	No
Army & Panzer Group HQs				4Pz Grp HQ	1
Army HQs					
Corps HQs					
Panzer Corps HQs	41	56	1		
Army Group Rear Area HQs					
Army & Army Grp Signal Regs					
Army & Army Grp Signal Batts					
Panzer Group Signal Regs				4.PzGr	1
Infantry Divisions	269	290	1		
Panzer Divisions	1, 6	8	1		
Motorised Divisions	36	3	1	SST Division	1
SS Motorised Divisions					
Cavalry Divisions					
Mountain Divisions					
Light Divisions					
<i>Fleiger</i> Divisions					
Motorised Infantry Brigades					
Motorised Infantry Regiments					
Motorised Infantry Battalions					
(Mixed) Infantry Regiments					
(Mixed) Infantry Battalions					
Tank Brigades					
Tank Battalions					
Cavalry Regiments					
Security Divisions or Brigades					
Guard (<i>Wach</i>) Battalions					
<i>Landeschutzen</i> Battalions					
Artillery HQs, <i>Harko</i> & <i>Arko</i>	30				
Art Observation Battalions	2				
Artillery Reg HQs (Spec P)	618				
Mixed Artillery Battalions					
150mm How Battalions	II./59, II./67				
105mm Gun Battalions	611				
150mm Gun Battalions					
210mm How Battalions (1)					
210mm How Battalions (2)	615				
210mm Gun Battalions					
Hvy 240mm How Battalions					
Super Hvy How Battalions					
Coastal Artillery Battalions					
Railroad Artillery Batteries					
				8.II./800zBV & Bat HQ^*	1/16
				326**^	1

Extract from Volume IIB 1.

Deployment and Composition of the German Army, Waffen SS and Luftwaffe Flak Units, 22nd June 1941									
Army Group North									
16th Army									
X Corps									
Description	No	XXVIII Corps Description	No	III Corps Description	No	Army Reserve Description	No		
Army & Panzer Group HQs									
Army HQs	10	28	1	2		16	1		
Corps HQs									
Panzer Corps HQs									
Army Group Rear Area HQs									
Army & Army Grp Signal Regts						501	1		
Army & Army Grp Signal Batts									
Panzer Group Signal Regts									
Infantry Divisions	30, 126	122, 123	2	12, 32, 121	3	253	1		
Panzer Divisions									
Motorised Divisions									
SS Motorised Divisions									
Cavalry Divisions									
Mountain Divisions									
Light Divisions									
<i>Fleiger</i> Divisions									
Motorised Infantry Brigades									
Motorised Infantry Regiments									
Motorised Infantry Battalions									
(Mixed) Infantry Regiments									
(Mixed) Infantry Battalions									
Tank Brigades									
Tank Battalions									
Cavalry Regiments									
Security Divisions or Brigades									
Guard (<i>Wach</i>) Battalions									
<i>Landeschutzen</i> Battalions									
Artillery HQs, <i>Harko</i> & <i>Arko</i>	24, 135	19, 130	2	105, 111	2				
Art Observation Battalions	38	19	1	5, 14^	1				
Artillery Reg HQs (Spec P)	785	610	1	603, 782, 803	3				
Mixed Artillery Battalions				I./106	1				
150mm How Battalions	846, 850	II./47, 843	2	506, 526	2				
105mm Gun Battalions	I./818	153	1	II./72	1				
150mm Gun Battalions				636, 809	2	625	1		
210mm How Battalions (1)									
210mm How Battalions (2)									
210mm Gun Battalions									
Hvy 240mm How Battalions									
Hvy 240mm Gun Battalions									
Super Hvy How Battalions									
Coastal Artillery Battalions								II./84	1

Excerpt from Volume IIB 1.

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