

# POLISH TOE 1

## INFANTRY DIVISION, 1939

This shows the ideal strength of the infantry divisions which made up the bulk of the Polish Army in 1939. Many divisions departed from this, and the major (or easiest) differences are noted below.

**Scout Tank Company:** Only ten of the thirty regular infantry divisions had a scout tank company, and none of the reserve divisions did. Note that one division (the 10<sup>th</sup>) had two companies.

**National Guard Battalions:** Divisions had no organic National Guard battalions, but one or two were attached to a number of divisions. In some cases they were disbanded and their personnel used as replacements, but in others the battalions were assigned combat missions. There were several different organizations of National Guard battalions, of which the strongest is shown. In weak battalions, remove the MMG stand, bicycle recon stand, and all three command infantry stands. However, the weaker battalions were more likely to be broken up and absorbed as replacements, and the stronger battalion more likely to be given combat assignments.

**Reserve Divisions:** Reserve divisions were organized similarly, but did not include a scout tank company, divisional AA battery, or a heavy artillery detachment. They usually did not include a bicycle company or divisional machinegun company, either, and some of them did not have an engineer company or a light artillery regiment, or made do with a single field gun battalion.

**Reserve Infantry Regiments:** Reduce the antitank company to a single anti-tank gun, and remove the 75mm field gun. In the infantry battalions, reduce the machine gun company to a single stand and remove the integral AT rifles from non-command infantry stands.

### *Troop Quality*

1<sup>st</sup>-3<sup>rd</sup> Divisions: Experienced

4<sup>th</sup>-30<sup>th</sup> Divisions: Regular

All other divisions: Trained

### *Morale*

1<sup>st</sup>-3<sup>rd</sup> Divisions: 9

4<sup>th</sup>-30<sup>th</sup>, 33<sup>rd</sup>, 35<sup>th</sup>, 36<sup>th</sup>, 38<sup>th</sup> Divisions: 8

All other divisions: 7

DIVISION TROOPS		
<b>Headquarter and Separate Companies</b>	<b>Headquarters</b>	1 command stand
		1 car
	<b>Headquarters Company</b>	1 staff radio truck
		1 infantry stand
		1 light truck
	<b>Heavy Machine Gun Company</b>	1 mounted command infantry stand
		3 machine gun carts
	<b>Anti-Aircraft Battery</b>	1 mounted command infantry stand
		1 light truck
		1 40L56 AA gun and crew
		1 C2P tractor
	<b>Bicycle Company</b>	1 bicycle command infantry stand ( <i>integral AT rifle</i> )
		2 bicycle infantry stands ( <i>integral AT rifle</i> )
<b>Cavalry Squadron</b>	1 mounted command cavalry stand	
	2 cavalry stands	
<b>Light Scout Tank Company</b>	1 command TK or TKS	
	1 TK or TKS	
<b>Engineer</b>	<b>Headquarters</b>	1 mounted command stand

<b>Battalion</b>	<b>3 Engineer Companies, each</b>	1 command engineer stand
		2 engineer stands
<b>Heavy Artillery Battalion</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	1 <i>supply wagon</i>
	<b>Gun Battery</b>	1 mounted command infantry stand
		1 105L28 gun and crew (ds)
		1 limber
	<b>Howitzer Battery</b>	1 mounted command infantry stand
		1 155L14 howitzer and crew (ds)
1 limber		
<b>0-2 National Guard Battalions, each (attached)</b>	<b>Headquarters</b>	1 command stand
	<b>Headquarters Company</b>	1 MMG stand
	<b>3 Companies, each</b>	1 recon bicycle infantry stand
		1 command infantry stand ( <i>integral AT rifle</i> )
<b>3 INFANTRY REGIMENTS, EACH</b>		
<b>Regimental Troops</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Company</b>	1 staff telephone wagon
		1 engineer stand
		1 75L29 field gun (battalion gun) and crew
		1 limber
		1 <i>supply wagon</i>
	<b>Reconnaissance Company</b>	1 recon cavalry stand ( <i>integral AT rifle</i> )
		1 recon infantry stand ( <i>integral AT rifle</i> )
	<b>Antitank Company</b>	1 mounted command infantry stand
		2 37L45 AT guns and crews ( <i>1 in reserve regiments</i> )
2 limbers		
<b>3 Infantry Battalions, each</b>	<b>Headquarters</b>	1 command stand
	<b>Machine Gun Company</b>	2 MMG stands
		1 weapons stand
	<b>3 Infantry Companies, each</b>	1 command infantry stand ( <i>integral AT rifle</i> )
		2 infantry stands ( <i>integral AT rifle</i> )
<b>LIGHT ARTILLERY REGIMENT</b>		
	<b>Headquarters</b>	1 command stand
		1 jeep
	<b>Headquarters Battery</b>	1 <i>supply wagon</i>
<b>2 Light Artillery Battalions, each</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	1 <i>supply wagon</i>
	<b>3 Firing Batteries, each</b>	1 mounted command infantry stand
		1 75L34 field gun and crew (ds)
1 limber		
<b>Howitzer Battalion</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	1 <i>supply wagon</i>
	<b>3 Firing Batteries, each</b>	1 mounted command infantry stand
		1 100L24 howitzer and crew (ds)
		1 limber

## POLISH TOE 2

### CAVALRY BRIGADE, 1939

The Poles had eleven regular cavalry brigades in 1939, and mobilized one more during the war from reserve elements. Most brigades included three mounted regiments, but the Nowogrodzka, Suwalska, and Wolynska regular brigades had four mounted regiments each, as did the Wolkowsky Reserve Brigade. The regular brigades with four regiments of horse had four batteries, instead of three, in their horse artillery battalions. Over half the brigades had a rifle battalion attached as well.

This shows the authorized strength of the cavalry brigades, and in fact most of them were at or near full strength, as the cavalry was maintained at a high state of readiness.

**Armored Cars:** All brigades had wz.34 armored cars in their armored group except for the Mazowieka Brigade, which had the older wz.29.

**Tankettes:** All brigades had TKS tankettes in their armored group except for the Krakowski, Pomorska, and Nowogrodzki, which had the older TK tankettes. A few tankettes were refitted with a 20mm autocannon in place of their machine gun. Most of these went to the mechanized brigades but eight were issued to cavalry brigades, apparently four TK/20s to the Pomorzka and four TKS/20s to the Mazowieka.

**Artillery Batteries:** Brigades with four cavalry regiments had four batteries of field guns. One battery was often attached to a regiment as accompanying artillery.

**Troop Quality:** Experienced

**Morale:** 10

BRIGADE TROOPS		
	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Company</b>	1 staff radio wagon
		1 machine gun cart
		1 37L45 AT gun and crew
		1 limber
		1 40L56 AA gun and crew (battalion gun)
		1 C2P tractor
		1 supply wagon
	<b>Bicycle Squadron</b>	1 command bicycle infantry stand ( <i>integral AT rifle</i> )
		2 bicycle infantry stands ( <i>integral AT rifle</i> )
<b>Engineer Squadron</b>	1 mounted command engineer stand	
	1 mounted engineer stand	
<b>Armored Group</b>	<b>Headquarters</b>	1 command wz.34/37 armored car ( <i>wz.29 in Mazowieka Bde</i> )
	<b>Armored Car Squadron</b>	1 recon wz.34/MG armored car ( <i>wz.29 in Mazowieka Bde</i> )
		1 recon motorcycle infantry stand ( <i>integral AT rifle</i> )
	<b>Tankette Squadron</b>	1 command TK or TKS tankettes ( <i>TKS/20 in Wielkopolski Bde, TK/20 in the Pomorzka Brigade</i> )
1 recon TK or TKS tankette		
<b>Horse Artillery Battalion</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	1 supply wagon
	<b>3 (or 4) Firing Batteries</b>	1 mounted command infantry stand
		1 75L29 field gun and crew (ds)
		1 limber

<b>Rifle Battalion</b>	<b>Headquarters</b>	1 command stand
	<b>Machine Gun Company</b>	3 MMG stands
		1 37L45 AT gun and crew (battalion gun)
		1 limber
	<b>3 Infantry Companies, each</b>	1 command infantry stand ( <i>integral AT rifle</i> )
2 infantry stands		
<b>3 (or 4) CAVALRY REGIMENTS, EACH</b>		
<b>Regimental Troops</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Squadron</b>	1 recon bicycle infantry stand ( <i>integral AT rifle</i> )
		1 37L45 AT gun and crew
		1 limber
	<b>4 Line Squadrons, each</b>	1 command cavalry stand ( <i>integral AT rifle</i> )
		1 cavalry stand ( <i>integral AT rifle</i> )
	<b>Machine Gun Squadron</b>	1 mounted command infantry stand ( <i>integral AT rifle</i> )
		3 MMG stands
3 machine gun carts ( <i>taczankas</i> )		

## POLISH TOE 3 MECHANIZED BRIGADE, 1939

The mechanized brigades were the most modern and mobile unit in the Polish Army.

The 10<sup>th</sup> Brigade was one of the best units in the Polish Army, maintained at a high state of readiness, and proud of their distinctive uniforms – they were one of the few units in the army to continue to use the WW I era German “coal scuttle” helmets, and the long black leather jackets worn by the tankers and many of the motorized troops earned the unit the nick-name “The Black Brigade.” The brigade was initially deployed in the south and fought number of tough battles, and conducted a skillful rearguard action screening the withdrawal of Army Krakow. At the end of the campaign its commander, Colonel Maczek led it across the border into Hungary to avoid surrender.

The Warsaw Brigade was finishing working up when the German invasion came, and so was deep in the interior, where it quickly joined the high command reserve and fought in many of the critical battles south of Warsaw. It was then ordered further south, and the survivor fought their way across the frontier into Hungary to avoid surrender.

The survivors of the two Mechanized brigades made their way to France, where they fought briefly in 1940, but then found their way to Great Britain where, under Colonel (later General) Maczek, they formed the cadre of the Polish 1<sup>st</sup> Armored Division, which would fight as part of British 2<sup>nd</sup> Army in Northwest Europe.

As there were only two mechanized brigades, there is little cope for deviation from the official TO&E. Nevertheless, a few points are worth noting.

**Tankettes:** All tankettes were TKS except in the 101<sup>st</sup> Company of the 10<sup>th</sup> Brigade, where they were TKFs. In fact, the tanks of the 101<sup>st</sup> Company represented the entire operational strength of TKF tankettes in the Polish inventory. Of the total of twenty-four tankettes reamed with 20mm guns, sixteen went to the two mechanized brigades, apparently on the basis of four per scout tank company, where they were used as command vehicles.

**Anti-Aircraft Battery:** Sources differ, but the Warsaw Brigade may have had the 7<sup>th</sup> Battery, or it may be that the 7<sup>th</sup> Battery never managed to link up with the brigade.

*Troop Quality:* Experienced

*Morale:* 10

<b>BRIGADE TROOPS</b>		
	<b>Headquarters</b>	1 command stand
		1 car
	<b>Headquarters Company</b>	1 staff radio truck
		1 MMG stand
		1 PF-320T motor- <i>taczanka</i>
		1 37L45 AT gun and crew
		1 light truck
		1 <i>medium supply truck</i>
	<b>Anti-Aircraft Battery</b>	1 command infantry stand
		1 light truck
		1 40L56 AA gun and crew
		1 C2P tractor
	<b>Engineer Squadron</b>	1 command engineer stand

		1 engineer stand
		1 medium truck
<b>Armored Group</b>	<b>Headquarters</b>	1 command wz.34/37 armored car
	<b>Headquarters Company</b>	<i>1 medium supply truck</i>
	<b>2 Scout Tank Companies, each</b>	1 command TKS/20 tankette
		1 TKS tankette
		1 recon TKS tankette
	<b>Light Tank Company</b>	1 command Vickers/47 light tank
1 Vickers/47 light tank		
1 Vickers E light tank		
<b>Horse Artillery Battalion (Motorized)</b>	<b>Headquarters</b>	1 command observation stand
		1 car
	<b>Headquarters Battery</b>	<i>1 medium supply truck</i>
	<b>Field Gun Battery</b>	1 command infantry stand
		1 light truck
		1 75L29 field gun and crew (ds)
		1 medium truck
	<b>Howitzer Battery</b>	1 command infantry stand
		1 light truck
		1 100L24 howitzer and crew (ds)
1 medium truck		
<b>Anti-Tank Battalion</b>	<b>Headquarters</b>	1 command observation stand
		1 car
	<b>Headquarters Squadron</b>	<i>1 medium supply truck</i>
	<b>2 Squadrons, each</b>	1 command infantry stand
		3 37L45 AT guns and crew
		4 light trucks
<b>2 MOTORIZED RIFLE REGIMENTS, EACH</b>		
<b>Regimental Troops</b>	<b>Headquarters</b>	1 command stand
		1 car
	<b>Headquarters Squadron</b>	1 recon motorcycle infantry stand
		1 37L45 AT gun and crew (battalion gun)
		1 light truck
	<b>4 Line Squadrons, each</b>	1 command infantry stand
		1 infantry stand
		1 medium truck
	<b>Machine Gun Squadron</b>	1 command infantry stand
		1 medium mortar stand (battalion gun)
		1 medium truck
		3 MMG stands
3 PF-320T motor- <i>taczankas</i>		

## POLISH TOE 4 HIGHLAND BRIGADE, 1939

The Poles had three regular divisions which were partly or entirely made up of mountain-capable troops (Highland infantry in Polish usage). In addition, they formed three highland (mountain) brigades upon mobilization, mostly from National Guard and Frontier Guard troops. Information on these brigades is sketchy, as they probably never completed their mobilization. Each consisted of three regiments of infantry and a battalion of light artillery, and was sometimes reinforced with an additional mountain battery or two.

The command elements of the brigade were formed from Frontier Guard Personnel, and so the brigade support troops were as well. The inclusion of an engineer company is speculative, but the Frontier Guards did have four separate engineer companies. They had only two light artillery battalions, so it is possible (even likely) that the 3<sup>rd</sup> Brigade did not have any artillery.

Each brigade had one (two in the 1<sup>st</sup> Brigade) regular or frontier guard regiments and two (one in the 1<sup>st</sup> Brigade) regiments of National Guard troops (or a mix of National Guard troops and frontier guards). The designations of the National Guard units are not known, nor is that of the frontier guard regiment in the 3<sup>rd</sup> Brigade. The 1<sup>st</sup> Brigade included the 1<sup>st</sup> and 2<sup>nd</sup> Frontier Guard Regiments while the 2<sup>nd</sup> Brigade was built around the 1<sup>st</sup> Regiment of Podhale Rifles. (The other five regiments of Podhale Rifles, the 2<sup>nd</sup> through 6<sup>th</sup>, made up the bulk of the infantry of the 21<sup>st</sup> and 22<sup>nd</sup> Highland Divisions.)

There were three separate mountain batteries. The 151<sup>st</sup> and 152<sup>nd</sup> served with the 1<sup>st</sup> Brigade and the 153<sup>rd</sup> served with the 2<sup>nd</sup> Brigade. It is possible that one battery was to joined each brigade, but events intervened.

The following TOE chart is highly speculative.

### ***Troop Quality***

Podhale Rifles: Experienced  
Frontier Guard and Artillery: Regular  
National Guard: Trained

### ***Morale***

Podhale Rifles, Frontier Guards, and Artillery: 9  
National Guard: 8

<b>BRIGADE TROOPS</b>		
<b>Headquarter and Separate Companies</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Company</b>	1 staff radio wagon
		1 infantry stand
		<i>1 supply wagon</i>
	<b>Engineer Company</b>	1 command engineer stand 2 engineer stands
	<b>0-2 Mountain Artillery Batteries, each (attached)</b>	1 mounted command infantry stand
1 65L19 howitzer and mounted crew (ds)		
1 pack animal		
<b>Light Artillery Battalion</b> <i>(may not be present in 3<sup>rd</sup> Brigade)</i>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	<i>1 supply wagon</i>
	<b>3 Firing Batteries, each</b>	1 mounted command infantry stand
		1 75L34 field gun and crew (ds) 1 limber
<b>0-1 MOUNTAIN RIFLE REGIMENT</b>		

<b>Regimental Troops</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Company</b>	1 staff telephone wagon
		1 engineer stand
		1 75L29 field gun (battalion gun) and crew
		1 limber
		<i>1 supply pack animal</i>
	<b>Reconnaissance Company</b>	1 recon cavalry stand ( <i>integral AT rifle</i> )
		1 recon infantry stand ( <i>integral AT rifle</i> )
<b>Antitank Company</b>	1 mounted command infantry stand	
	1 37L45 AT gun and crews	
	1 limber	
<b>3 Infantry Battalions, each</b>	<b>Headquarters</b>	1 command stand
	<b>Machine Gun Company</b>	2 MMG stands
		1 weapons stand
	<b>3 Infantry Companies, each</b>	1 command infantry stand ( <i>integral AT rifle</i> )
2 infantry stands ( <i>integral AT rifle</i> )		
<b>1-2 BORDER GUARD REGIMENTS</b>		
<b>Regimental Troops</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Company</b>	1 staff telephone wagon
		<i>1 supply pack animal</i>
	<b>Reconnaissance Company</b>	1 recon cavalry stand
1 recon infantry stand		
<b>3 Infantry Battalions, each</b>	<b>Headquarters</b>	1 command stand
	<b>Machine Gun Company</b>	2 MMG stands
		1 37L45 AT gun and crew (battalion gun)
		1 limber
	<b>3 Infantry Companies, each</b>	1 command infantry stand ( <i>integral AT rifle</i> )
2 infantry stands		
<b>1-2 NATIONAL GUARD REGIMENTS</b>		
<b>Regimental Troops</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Company</b>	<i>1 supply pack animal</i>
		1 recon infantry stand
<b>3 Infantry Battalions, each</b>	<b>Headquarters</b>	1 command stand
	<b>Machine Gun Company</b>	1 MMG stands
	<b>3 Infantry Companies, each</b>	1 command infantry stand ( <i>integral AT rifle</i> )
2 infantry stands		

## POLISH TOE 5 NATIONAL GUARD BRIGADE, 1939

The National Guard was made up of trained reservists without a permanent unit assignment. In the event of mobilization, they formed eleven brigades, nominally of about eight battalions each (two half-brigades of four battalions). However upon mobilization a number of National Guard units were absorbed directly into reserve and regular divisions, and most of the brigades were disbanded. Six brigades actually remained as formed units, each of them with the strength of a weak regiment.

The National Guard units were under-equipped and had no opportunity to work up as a unit, but they fought hard, in part because they contained a high percentage of volunteers, and in part because most were employed near their homes.

As the composition of brigades varied widely – and changed on almost a daily basis, the following TOE chart is highly speculative.

The six brigades which were not disbanded in the first day or two of the war were the Karpacka, Lwowska, Morska (Naval), Pomorska, Poznanska, and Warszawska. Of these, the bulk of the troops in Karpaka, and Lwowska Brigades, which were deployed in the south, were weak battalions. The remaining brigades had stronger battalions. In the weak battalions, remove the command infantry stand from each company and the MMG stand and recon bicycle stand from the battalion.

***Troop Quality:*** Trained  
***Morale:*** 8

<b>BRIGADE TROOPS</b>		
<b>Headquarter s</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Company</b>	1 <i>supply wagon</i>
<b>2-4 Infantry Battalions, each</b>	<b>Headquarters</b>	1 command stand
	<b>Headquarters Company</b>	1 MMG stands
		1 recon bicycle stand
	<b>3 Infantry Companies, each</b>	1 command infantry stand ( <i>integral AT rifle</i> )
2 infantry stands		

## POLISH TOE 6 FRONTIER GUARD REGIMENT, 1939

The Frontier Guard Corps, upon mobilization, formed four divisions headquarters, twelve regiments, thirty-four infantry battalions, twelve squadrons of cavalry, and other small unit. Most of these troops went into the three highland brigades and four reserve infantry divisions. What was left formed seven weak regiments – Baronowicze, Glebokie, Podole, Rowne, Sarny, Wilejka, and Wilno -- each with about two battalions of troops, and were deployed in the east along the Soviet frontier, where they were overwhelmed by the Soviet invasion.

***Troop Quality:*** Regular

***Morale:*** 9

<b>Regimental Troops</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters</b>	1 staff telephone wagon
	<b>Company</b>	1 <i>supply wagon</i>
<b>2 Infantry Battalions, each</b>	<b>Headquarters</b>	1 command stand
	<b>Machine Gun Company</b>	2 MMG stands
		1 37L45 AT gun and crew (battalion gun)
		1 limber
	<b>3 Infantry Companies, each</b>	1 command infantry stand ( <i>integral AT rifle</i> )
2 infantry stands		

## POLISH TOE 7

### SELECTED NON-DIVISIONAL COMBAT TROOPS

**Armored Trains:** There were two light (15<sup>th</sup>, 55<sup>th</sup>), three medium (13<sup>th</sup>, 54<sup>th</sup>) and five heavy (11<sup>th</sup>, 12<sup>th</sup>, 14<sup>th</sup>, 52<sup>nd</sup>, 53<sup>rd</sup>) armored trains. The weight was based on strength of armament, not armor or actual size. Most armored train detachments had a mix of scouting tanks, with more TKS than FT17s.

**Anti-Tank Units:** The three high command anti-tank units were organized during the campaign and were used the defense of Warsaw. At least one source lists them as companies, but the number of guns (27 each) suggests a battalion-sized unit.

**R-35 Tanks:** The 21<sup>st</sup> Tank Battalion, equipped with French R-35 tanks, had not yet completed its training on its new vehicles, and so was not committed to combat and withdrew into Rumania to avoid surrender. The Rumanians later used the R-35 to augment their own tank park.

**Troop Quality:** Regular (21<sup>st</sup> Tank Battalion Trained)

**Morale:** 9

ARMY TROOPS		
<b>Separate Companies</b>	<b>Anti-Aircraft Battery</b> <i>(equivalent of about 40 separate AA batteries throughout the Army)</i>	1 command infantry stand
		1 light truck
		1 40L56 AA gun and crew
		1 C2P tractor
	<b>3 Separate Tank Companies, each</b> <b>(111<sup>th</sup>, 112<sup>th</sup>, 113<sup>th</sup>)</b>	1 command FT-17
		1 FT-17
		1 FT-17SA
	<b>3 Separate Scout Tank Companies, each</b> <b>(42<sup>nd</sup>, 51<sup>st</sup>, 52<sup>nd</sup>)</b>	1 command TK tankette ( <i>TKS in 52<sup>nd</sup> Co</i> )
		1 TK tankette ( <i>TKS in 52<sup>nd</sup> Co</i> )
		1 recon TK tankette ( <i>TKS in 52<sup>nd</sup> Co</i> )
	<b>10 Armored Train detachments, each</b> <b>(11-15, 51-55)</b>	1 command armored train (light, medium, or heavy)
		1 infantry stand
1 recon FT-17 or TKS tankette		
1 tanketter transporter		
<b>7 Separate Engineer Battalions</b> <b>(46<sup>th</sup>, 47<sup>th</sup>, 50<sup>th</sup>, 53<sup>rd</sup>, 60<sup>th</sup>, 65<sup>th</sup>, 81<sup>st</sup>)</b>	<b>Headquarters</b>	1 command stand
		1 car
	<b>1 Motorized Engineer Company</b>	1 command engineer stand
		1 light truck
		2 engineer stands
		1 medium truck
	<b>2 Engineer Companies, each</b>	1 command engineer stand
2 engineer stands		
<b>3 Separate Anti-Tank Battalions</b> <b>(each)</b> <b>(11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup>)</b>	<b>Headquarters</b>	1 command stand
		1 car
	<b>Headquarters Battery</b>	1 medium supply truck
	<b>3 firing batteries, each</b>	1 command infantry stand
		3 37L45 AT guns and crew
	4 light trucks	
<b>7 Separate Heavy Machine Gun Battalions, each</b> <b>(1<sup>st</sup> – 7<sup>th</sup>)</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Company</b>	1 37L45 AT gun and crew (battalion gun)
		1 limber
	<b>3 Companies, each</b>	1 command infantry stand
		3 MMG stands
<b>3 Light Tank</b>	<b>Headquarters</b>	1 command 7TPdw ( <i>R-35 in 21<sup>st</sup> Battalion</i> )

<b>Battalions, each (1<sup>st</sup>, 2<sup>nd</sup>, 21<sup>st</sup>)</b>	<b>Headquarters Company</b>	<i>1 medium supply truck</i>
	<b>3 Light Tank Companies, each</b>	1 command 7TPjw ( <i>R-35 in 21<sup>st</sup> Battalion</i> ) 2 7TPjw ( <i>R-35 in 21<sup>st</sup> Battalion</i> )
<b>1 Motorized Anti-Aircraft Battalion (1<sup>st</sup>)</b>	<b>Headquarters</b>	1 command observation stand
		1 car
	<b>Headquarters Battery</b>	<i>1 medium supply truck</i>
	<b>3 Firing Batteries, each</b>	1 command infantry stand
1 light truck		
1 75 wz.14 self-propelled AA gun		
<b>3 (or more) Separate Light Artillery Battalions, each (64<sup>th</sup>, 71<sup>st</sup>, 81<sup>st</sup>)</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	<i>1 supply wagon</i>
	<b>3 Firing Batteries, each</b>	1 mounted command infantry stand
		1 75L34 field gun and crew (ds)
1 limber		
<b>1 Motorized Heavy Gun Battalion (6th)</b>	<b>Headquarters</b>	1 command observation stand
		1 car
	<b>Headquarters Battery</b>	<i>1 medium supply truck</i>
	<b>2 Firing Batteries, each</b>	1 command infantry stand
		1 light truck
1 120L27 gun and crew (ds)		
1 C4P half-track prime mover		
<b>2 Separate Heavy Gun Battalions, each (46<sup>th</sup>, 47<sup>th</sup>)</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	<i>1 medium supply wagon</i>
	<b>2 Firing Batteries, each</b>	1 mounted command infantry stand
		1 120L27 gun and crew (ds)
1 limber		
<b>4 Separate Heavy Howitzer Battalions, each (60<sup>th</sup>, 88<sup>th</sup>, 95<sup>th</sup>, 98th)</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	<i>1 medium supply wagon</i>
	<b>2 Firing Batteries, each</b>	1 mounted command infantry stand
		1 155L17 howitzer and crew (ds)
1 limber		

<b>1 MOTORIZED HEAVY ARTILLERY REGIMENT (1<sup>st</sup>)</b>		
<b>Regimental Troops</b>	<b>Headquarters</b>	1 command stand
		1 car
	<b>Headquarters Battery</b>	<i>1 medium supply truck</i>
<b>Heavy Gun Battalion</b>	<b>Headquarters</b>	1 command observation stand
		1 car
	<b>Headquarters Battery</b>	<i>1 medium supply truck</i>
	<b>2 Firing Batteries, each</b>	1 command infantry stand
1 light truck		
1 105L31 gun and crew (ds)		
1 C4P half-track prime mover		
<b>Heavy Howitzer Battalion</b>	<b>Headquarters</b>	1 command observation stand
		1 car
	<b>Headquarters Battery</b>	<i>1 medium supply truck</i>
	<b>2 Firing Batteries, each</b>	1 command infantry stand
		1 light truck
1 155L15 howitzer and crew (ds)		
1 C4P half-track prime mover		

<b>8 HEAVY ARTILLERY REGIMENTS (1<sup>st</sup> – 7<sup>th</sup>, 9<sup>th</sup>)</b>		
<b>Regimental Troops</b>	<b>Headquarters</b>	1 mounted command stand
	<b>Headquarters Battery</b>	<i>1 supply wagon</i>

<b>Heavy Gun Battalion</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	<i>1 supply wagon</i>
	<b>2 Firing Batteries, each</b>	1 mounted command infantry stand
		1 105L31 gun and crew (ds) 1 limber
<b>Heavy Howitzer Battalion</b>	<b>Headquarters</b>	1 mounted command observation stand
	<b>Headquarters Battery</b>	<i>1 supply wagon</i>
	<b>2 Firing Batteries, each</b>	1 mounted command infantry stand
		1 155L15 howitzer and crew (ds) 1 limber

<b>1 SUPER-HEAVY ARTILLERY REGIMENT (1<sup>st</sup>)</b>		
<b>Regimental Troops</b>	<b>Headquarters</b>	1 command stand
		1 car
	<b>Headquarters Battery</b>	<i>1 medium supply truck</i>
<b>3 Super-Heavy Artillery Battalions, each</b>	<b>Headquarters</b>	1 command observation stand
		1 car
	<b>Headquarters Battery</b>	<i>1 medium supply truck</i>
	<b>Composite Firing Battery</b>	1 command infantry stand
		1 light truck
1 220L19 howitzer and crew (ds)		
		1 C7P tractor