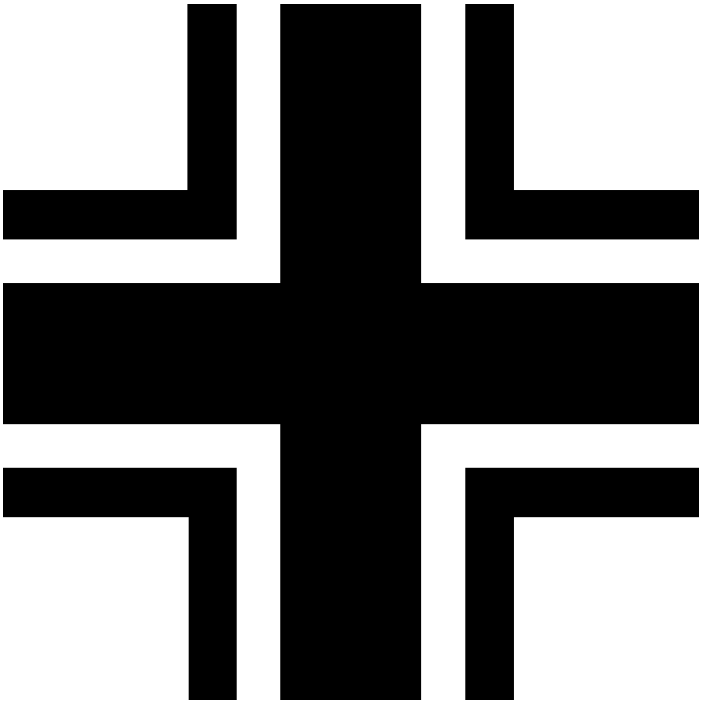
GERMAN WORLD WAR II ORGANIZATIONAL SERIES



Volume 1/II-1

1st AND 2nd WELLE ARMY INFANTRY DIVISIONS
(1 September 1939)

THE GERMAN WORLD WAR II ORGANIZATIONAL SERIES

1/I	01.09.39	Mechanized Army Formations and Waffen-SS Formations (3rd Revised Edition)
1/II-1	01.09.39	1st and 2nd Welle Army Infantry Divisions
1/II-2	01.09.39	3rd and 4th Welle Army Infantry Divisions
1/III	01.09.39	Higher Headquarters — Mechanized GHQ Units — Static Units (2nd Revised Edition)
2/I	10.05.40	Mechanized Army Formations and Waffen-SS Formations (2nd Revised Edition)
2/II	10.05.40	Higher Headquarters and Mechanized GHQ Units (2nd Revised Edition)
3/I	22.06.41	Mechanized Army Divisions - (2nd Revised Edition)
3/II	22.06.41	Higher Headquarters and Mechanized GHQ Units (2nd Revised Edition)
4/I	28.06.42	Mechanized Army Divisions - (2nd Revised Edition)
4/II	28.06.42	Mechanized GHQ Units and Waffen-SS Formations
5/I	04.07.43	Mechanized Army Formations
5/II	04.07.43	Higher Headquarters and Mechanized GHQ Units
5/III	04.07.43	Waffen-SS Higher Headquarters and Mechanized Formations

IN PREPARATION FOR PUBLICATION 2007/2008

7/I	06.06.44	Mechanized Army Formations
2/III	10.05.40	Army Infantry Divisions
3/III	22.06.41	Army Infantry Divisions

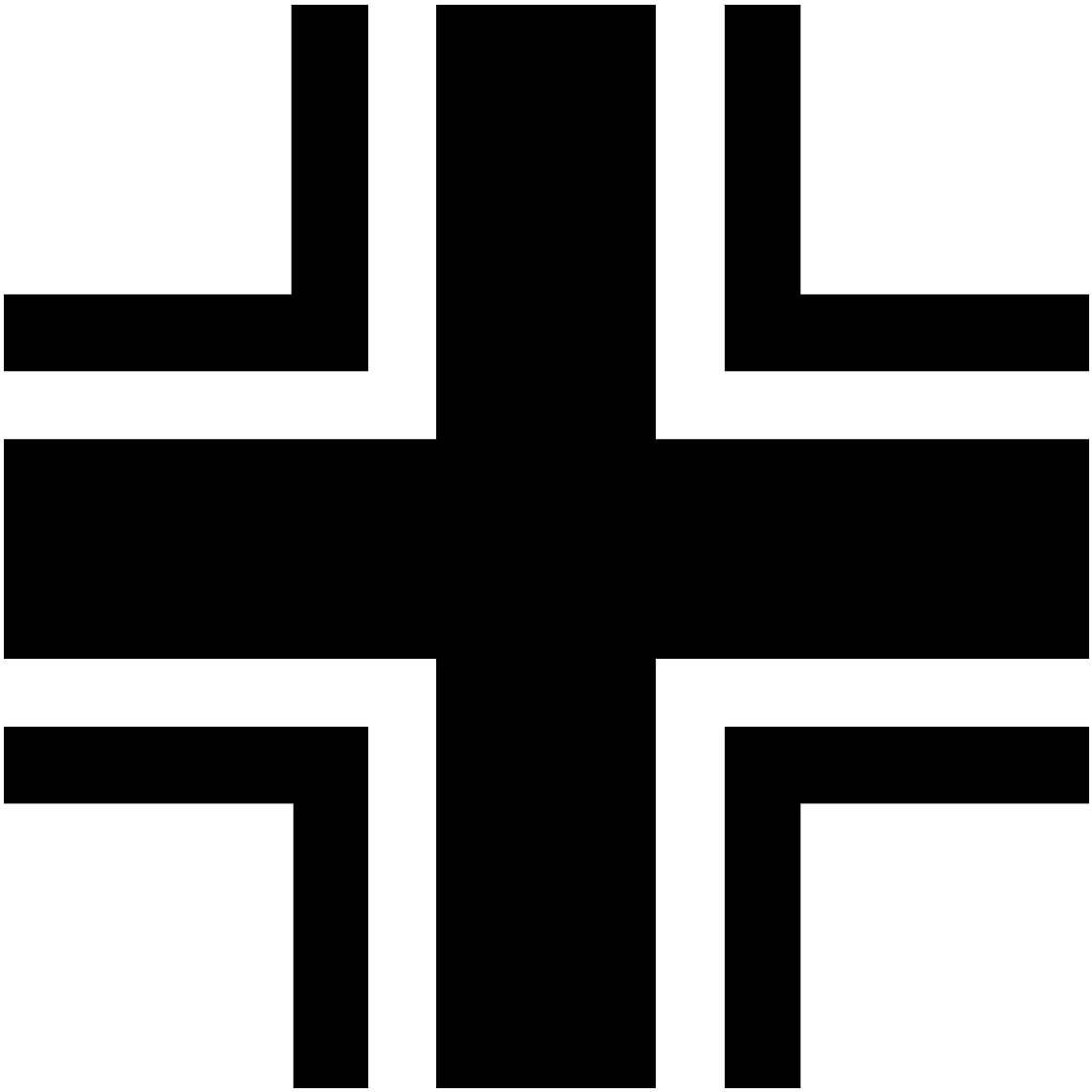
IN PREPARATION FOR PUBLICATION

01.09.39	Landwehr Division — Mountain Divisions — Cavalry Brigade
10.05.40	Non-Mechanized GHQ Units
	Static Units
22.06.41	Mechanized Waffen-SS Formations
	Static Units
28.06.42	Higher Headquarters
	Army Divisions
	Static Units
04.07.43	Army Divisions
	Static Units
01.11.43	Mechanized Army Formations
	Mechanized GHQ Units
	Mechanized Waffen-SS Formations
	Army Divisions
	Static Units
	Higher Headquarters
06.06.44	Mechanized GHQ Units
	Mechanized Waffen-SS Formations
	Army Divisions
	Static Units
	Higher Headquarters
16.12.44	Mechanized Army Formations
	Mechanized GHQ Units
	Mechanized Waffen-SS Formations
	Army Divisions
	Static Units
	Higher Headquarters
1939 – 45	Luftwaffen Ground Combat Forces
1944 – 45	The 1944 Brigades
1939 – 45	Organizational Handbook

All volumes are available in hardback and softback editions

GERMAN WORLD WAR II ORGANIZATIONAL SERIES

by Leo W.G. Niehorster



Volume 1/II-1

1st AND 2nd WELLE ARMY INFANTRY DIVISIONS
(1 September 1939)

This edition of
GERMAN WORLD WAR II ORGANIZATIONAL SERIES
Volume 1/II-1
1st and 2nd Welle Army Infantry Divisions
(1 September 1939)
was first published by The Military Press in 2006
reprinted by The Military Press in 2007
This and all previous editions © by Leo W.G. Niehorster

THE MILITARY PRESS
1 Gallagher Close
Crownhill, Milton Keynes
Buckinghamshire MK8 OLQ
United Kingdom
Tel: +44 (190) 826-5095
Fax: +44 (870) 912-0908
email: militarypress@btopenworld.com
http://www.militarypress.co.uk

All rights reserved. Except for use in a review, no portion of this book may be reproduced, stored in a retrieval system or transmitted in any form or means, electronic, electrostatic, magnetic tape, mechanical, photocopying, or otherwise without the express prior, written permission of the publisher. Neither the author nor the publisher assumes any responsibility for the use or misuse of information contained in this book.

Printed in the United Kingdom

ISBN 978-0-85420-781-3 Hardback Edition
ISBN 978-0-85420-786-4 Softback Edition

CONTENTS
1st and 2nd Welle Army Infantry Divisions

1 Contents
2 The Author
3 General Introduction
4 How to Read the Charts
5 Germans Units and Symbols
6 Organizational Symbols
8 Pictograms Depicting Individuals and Vehicles
10 Abbreviations
11 Order of Battle of the German Army on 1 September 1939
12 **1. Welle Infanterie-Division**
13 Order of Battle
14 Authorized Establishment
15 Headquarters, Infantry Division
16 Divisional Headquarters Units
17 Headquarters, Infantry Regiment (R) + Infantry Horse Platoon
18 Infantry Gun Company + Infantry Antitank Company (mot)
19 Infantry Transport Column + Headquarters, Infantry Battalion (R)
20 Infantry Company (R) + Machine Gun Company (R)
21 Headquarters, Infantry Regiment (O) + Infantry Horse Platoon
22 Infantry Gun Company + Infantry Antitank Company (mot)
23 Infantry Transport Column + Headquarters, Infantry Battalion (O)
24 Infantry Company (O) + Machine Gun Company (O)
25 Headquarters, Artillery Regiment (R)
26 Headquarters, Light Artillery Battalion (R) + Light Battery (R)
27 Headquarters, Heavy Artillery Battalion (R) + Heavy Battery
28 Headquarters, Artillery Regiment (O)
29 Headquarters, Light Artillery Battalion (O) + Light Battery (O)
30 Headquarters, Heavy Artillery Battalion (O) + Heavy Battery
31 Artillery Transport Column (18-t) + Artillery Transport Column (32-t)
32 Headquarters, Observation Battalion (mot) + Calibration Battery (mot)
33 Flash Battery (mot) + Sound Battery (mot)
34 Balloon Battery (mot)
35 Headquarters, Antitank Battalion (mot)
36 Antitank Company (mot) + Antiaircraft Company (mot)
37 Headquarters, Recon Battalion (mot) + Heavy Recon Company (mot)
38 Bicycle Recon Company + Horse Recon Company
39 Headquarters, Engineer Battalion (mot) + Engineer Transport Column (mot)
40 Engineer Company (R) + Engineer Company (O)
41 Engineer Company (mot) + Bridge Column, Type C (mot)
42 Headquarters, Signal Battalion (mot) + Signal Column (mot)
43 Telephone Company (semi-mot) + Radio Company (mot)
44 Division Supply Commander (semi-mot) + Division Supply Commander (mot)
45 Motor Transport Column + Motor Transport Column for Fuel
46 Transport Column + Workshop Company (mot)
47 Supply Company + Supply Company (mot)
48 Commissary Office (mot) + Butcher Platoon (mot)
49 Baker Company + Baker Company (mot)
50 Medic Company + Medic Company (mot)
51 Field Hospital + Field Hospital (mot)
52 Motor Ambulance Platoon + Veterinary Company
53 Field Replacement Battalion Headquarters + Field Replacement Company
54 **2. Welle Infanterie-Division**
55 Order of Battle
56 Authorized Establishment
57 Headquarters, Infantry Division
58 Divisional Headquarters Units
59 Headquarters, Infantry Regiment (R) + Infantry Horse Platoon
60 Infantry Gun Company + Antitank Company (mot)
61 Infantry Transport Column + Headquarters, Infantry Battalion (R)
62 Infantry Company (R) + Machine Gun Company (R)
63 Headquarters, Infantry Regiment (O) + Infantry Horse Platoon
64 Infantry Gun Company + Infantry Antitank Company (mot)
65 Infantry Transport Column + Headquarters, Infantry Battalion (O)
66 Infantry Company (O) + Machine Gun Company (O)
67 Headquarters, Artillery Regiment (R)
68 Headquarters, Artillery Battalion (R) + Light Battery (R)
69 Headquarters, Heavy Artillery Battalion (R) + Heavy Battery (R)
70 Headquarters, Artillery Regiment (O)
71 Headquarters, Light Artillery Battalion (O) + Light Battery (O)
72 Headquarters, Heavy Artillery Battalion (O) + Heavy Battery (O)
73 Artillery Transport Column (18-t) + Artillery Transport Column (32-t)
74 Headquarters, Antitank Battalion (mot) + Antitank Company (mot)
75 Headquarters, Recon Battalion + Heavy Recon Company
76 Bicycle Recon Company + Horse Recon Company
77 Headquarters, Engineer Battalion (mot) + Engineer Transport Column (mot)
78 Engineer Company (R) + Engineer Company (O)
79 Engineer Company (mot) + Bridge Column, Type B (mot)
80 Headquarters, Signal Battalion (mot) + Signal Column, Type a (mot)
81 Telephone Company (semi-mot) + Radio Company (mot)
82 Division Supply Commander + Transport Column
83 Motor Transport Column + Motor Transport Column for Fuel
84 Supply Company (mot) + Workshop Company (mot)
85 Commissary Office (mot) + Butcher Platoon (mot)
86 Baker Company (mot)
87 Medic Company + Medic Company (mot)
88 Field Hospital (mot) + Field Hospital
89 Motor Ambulance Platoon + Veterinary Company
90 Bibliography
i Introduction to German soft-skinned motor vehicles
ii German numbered motorized soft-skinned vehicles
iv German special military vehicles
x German military trailers and special military trailers
xiii German horse-drawn vehicles: wagons – carts — sleds
xiv German Army ranks and *Stellengruppen* (billet groups)
xv German military personnel job descriptions

THE AUTHOR

Dr. Leo Niehorster was born in The Hague, Netherlands of an American mother and Dutch father. He has lived in Holland, Peru, England, Mexico, Canada, the United States, France, and Germany. His university education has been correspondingly diverse. The University of the Americas in 1964 to 1967, University of Maryland (correspondence courses while in the US Army) from 1968 to 1972, European Business School 1972 to 1976 (BA in Business Administration), Frankfurt Fachhochschule 1978 (Dipl. Kaufmann), Columbia Pacific University 1978 to 1980 (External MA in Business Administration), Columbia Pacific University 1980 to 1982 (External PhD in History). His vocational training includes a course resulting in the degree of Telecommunications Systems Developer. He is also a licensed Apple Service Technician.

The author did his military service in the US Army from 1968 to 1972, ending up in Germany, where he stayed.

His professional career started as night shift supervisor in an airline catering service, and has spanned such activities as pizza baker at the local Italian in Barstow, California, to product manager for long haul travel in the world's largest tour operator in Hannover, Germany. He is presently controller and membership manager of a sports club in Hannover, but spends most of his spare time involved in military history.

The author is a recognized authority on World War II German ground forces organization, and has put all of his expertise into the present series. Some of these books are a republishing of the original series, (which have been out of print for several years), but they have been very much enhanced and augmented, encompassing a further fourteen years of research and study in the German, American, and British archives. The revised editions as well as the new volumes in the series will be highly welcomed by all interested in German military organization in World War II.

Dr. Niehorster's other published works include "The Royal Hungarian Army, 1920–1945", which was acclaimed as one of the Top Ten Books of 1999, and is considered by many experts to be the single most important English language history on the Hungarian Army of that era. With this publisher he has also recently authored "The United States Armed Forces Order of Battle – 7 December 1941". He has furthermore coedited Volume 9 of the "German Army 1939-1945: An Order of Battle" with Lowry Cole.

THANKS

In a project as immense as this one, it is both a necessity and a pleasure to rely upon the assistance of others. I would like to mention the following for their continuing assistance: Herr Christoph Awender; Heer Piet Duits; Herr Kurt Gätzschmann; Mr. Thomas L. Jentz; Herr Brün Meyer; Mr. William Russ; Herr Adolf Schönefeld. To all of them, my continuing thanks.

GENERAL INTRODUCTION

Germany did not have a fully mechanized Blitzkrieg army as popular myth would have it. The greater part of the German Army's combat power consisted of infantry divisions, infantry divisions which depended on soldiers on foot for tactical movement, with support and service units overwhelmingly horse drawn.

By early 1939 the German Army had expanded from the 7 infantry divisions granted by the Versailles Peace Treaty after World War I to 35 infantry divisions. These active, peace time formations were designated as 1st *Welle* Infantry Divisions. ***Welle*** was the German designation for groups of divisions raised at approximately the same time, with approximately the same type of organization and equipment, and that shared a similar type of personnel and level of training. Interestingly, 12 of these 35 divisions deviated from the standard 1st Wave infantry division organization.

Upon mobilization in August 1939, the 35 active infantry divisions of the 1st Welle formed the first line divisions. They were also to be the future peacetime active divisions after the war. These divisions would bear a major part of the fighting during the invasion of Poland on 1 September 1939.

East Prussia, separated from the rest of Germany by Poland, was less developed industrially than the main part of Germany. Many units of the infantry divisions there had more horse-drawn vehicles and less (if any) motor vehicles. Those units with a different organization were identified with an "O" (for *Ostpreußen*), and had more personnel (wagon drivers and escorts), personal weapons, and, of course, wagons and horses. Particularly the infantry, artillery, and engineers within these units had a higher number of horse-drawn vehicles than the standard units in the main part of Germany, distinguished by an "R" (for *Reich*). In particular the East Prussian *1. Infanterie-Division* had a much larger amount of horse-drawn vehicles than the norm. The other two 1st Welle infantry divisions in East Prussia were the *11.* and *21. Infanterie-Division*.

The former Austrian Army divisions (*44.* and *45. Infanterie-Division*) also had less motor vehicles and less artillery.

While heavy infantry weapons were allocated in the same numbers to the *Ostpreußen* and *Reich* units, the 20mm antiaircraft guns varied, some divisions having none, some 12, and again others 16.

Upon mobilization the 1st Welle divisions ceded some personnel to form the mobilization divisions, and in turn received the reserve personnel needed to fill them up to complete strength. The 97th Infantry Regiment (*46. Infanterie-Division*) had to be raised, as well as all reconnaissance battalions, 31 infantry battalions, 5 artillery battalions, 12 artillery observation battalions, and miscellaneous companies. The service and supply units, which existed only in cadre strength in peacetime, were also filled up.

The manpower of 1st Welle divisions was made up of:

78%	active soldiers
12%	Ist Class reservists
6%	IInd Class reservists
4%	*Landwehr*

Ist Class Reservists were completely trained troops who had served at least 12 months in the Army and then having been released from active duty.

IInd Class Reservists were troops from the "White Years" (soldiers born between 1901 – 1913), so called because they had not seen military service in World War I. They had received only a short 2–3 months introductory military training.

Landwehr were older soldiers, some of whom had participated in World War I, which made up the militia of the German Army.

The 16 infantry divisions of the 2nd Welle were carried on the peace time Army List as reserve divisions. Mobilization of these divisions was closely tied to those of the 1st Welle, as these provided the most of the headquarters staffs, as well as the cadres of officers and enlisted personnel for the 2nd Welle divisions. The 1st Welle divisions were also responsible for supervising the mobilization of the 2nd Welle divisions.

The manpower of 2nd Welle divisions was made up of:

6%	active soldiers
83%	Ist Class reservists
8%	IInd Class reservists
3%	*Landwehr*

Some of the 2nd Welle divisions had already been mobilized twice before, once in 1938 during the Czech Crisis, and then again as training divisions in the Spring of 1939. When the mobilization call up came in August 1939, they quickly organized and were combat ready shortly after receiving their orders.

There were minor differences in the light weapons numbers from those of the 1st Welle, but other weapons and equipment were little different and deviation from the norm within the 2nd Welle was considerably less than in the 1st Welle divisions, with only the *61. Infanterie-Division* being in the less motorized *Ostpreußen* configuration. Major differences from the 1st Welle divisions, besides the personnel composition, were: the almost complete lack of mortars; no artillery observation battalions; no field replacement battalions.

A not so obvious ingredient of the 1939 first line infantry divisions was the high state of personnel training. When Germany began conscription in 1935, the only soldiers in the "100,000 Man Army" were volunteers, hand picked, the best officers and men Germany had. This cadre maintained the same high standards when it trained the new conscripts.

On the other hand, both the war diaries of Halder, Chief-of-Staff of the O.K.H. from 1939 – 1942 (*O.K.H.* = German Army High Command), and the official war diaries of the O.K.W. (*O.K.W.* = German Armed Forces High Command), are full of remarks regarding the serious lack of equipment, specialist personnel, and vehicles of all sorts.

Not all equipment was produced by Germany in sufficient numbers to satisfy the needs of all the tables of organization. Indeed, it is doubtful if any unit ever had the exact number and certainly not all the types of vehicles and equipment prescribed by the KStN (*Kriegstärkenachweisungen* = tables of organization), as the divisions of the 1st Welle amply demonstrate, which were, after all, the main first line divisions of the German Armed Forces. Many KStN of this era already indicated acceptable substitutes for standard Army equipment.

This book draws on the official German mobilization plan for 1939/40, the tables of organization (*Kriegsstärkenachweisung*), orders of battle (*Kriegsgliederung*), and Army Publications (*Heeresdienstvorschrift*) used by the Army at the time. Material in archives in various countries has been extensively researched.

The published material contained in the sources and references section indicates publications which were consulted, (although not necessarily used), and is basically meant to assist the reader in familiarizing himself with the subject of the German Army of the period.

The author apologizes for any mistakes that have happened during the writing of this book, (they are only my own), and welcomes critical comments and suggestions. Should readers possess more founded information, or even the original documents thereto, I would appreciate hearing from them, so that in a future edition, the corresponding corrections can be inserted for the benefit of all.

HOW TO READ THE CHARTS

Dates are indicated in the following manner: Day.Month.Year. (Thus 1.09.1939 is the 1st Day of September 1939).

The ordinator for numbers in German is the dot (“.“). Where German units are referred to in their original German designation, this practice has been followed. E.g. *14. Infanteriedivision* is the German way of designating the 14th Infantry Division.

The Germans normally referred to the large formations and the smallest units with an ordinator (i.e. armies, corps, divisions, brigades, and regimental battalions, as well as companies and platoons), whereas army groups, regiments and independent battalions were referred to in the reverse order. I.e. *Heeresgruppe Mitte*, *Artillerie-Regiment 103 (mot)*, or *Panzer-Abteilung 33*. To facilitate the location of the various units and to present a uniform system of identification, all units have the identifying numbers indicated first in this work. Army groups, having names as opposed to numbers, have their designations indicated last.

Numbers in German can be confusing to Anglo-Saxons, as the decimal point becomes a decimal comma:

German: 10,5 English: 10.5 = (ten and a half)

Similarly, the comma used to separate thousands is also reversed:

German: 10.000 English: 10,000 = (ten thousand)

Where using German designations, the German practice has been followed (i.e.: *3,7cm Pak*). Otherwise, the English usage prevails: (i.e. 37mm antitank gun), using the millimeter system instead of the German WW II system based on centimeters.

Motor, horse-drawn, and hand-towed vehicles have a number below them. This number identifies this vehicle, and can be the German vehicle number, indicate the tonnage of the carrier, show the size, or indicate the purpose and/or function. For civilian-type vehicles without a special number, the engine size or the weight classification is indicated instead. The reader is referred to the Annex sections on vehicles in the back of this book.

Some KStN already indicate acceptable substitutes for vehicles. For example, the *Hf. 1* is often indicated as being substitutable by a locally available (*landesüblich*) wagon. Alternate equipment was also shown, such as the *Hf. 11* instead of the *Hf. 13* (field kitchen).

The divisional diagrams are based on the German mobilization documents of the period. These symbols are shown on pages 6 and 7.

The diagrams break down the individual KStN, the headings indicating numbers and date of issue. KStN that are no longer available are marked thus: *)

The individual units are shown using pictograms to represent personnel, major weapons, and vehicles. Where original diagrams or references have not been available, a simplified form of symbols has been used. In these simplified charts, symbols are barely modified, although there is a differentiation between Officers, NCO’s, and Enlisted Men. Abbreviations are used to indicate the various functions and positions when they are known. These pictograms are shown on pages 8 and 9.

TABLES OF ORGANIZATION – *KRIEGSTÄRKENACHWEISUNGEN*

German unit organizations were based on tables of organization, (*Kriegstärkenachweisungen* - KStN). Every unit raised had them, and all orders raising units indicated the corresponding KStN numbers and dates which applied for them. These orders also indicated any modifications that might apply at the time.

The Germans did not necessarily issue their KStN on the dates indicated on them, and it is highly unlikely that units conformed to the KStN on their issue dates. The KStN could be distributed before or after (retroactively to) the issue date. The issue date merely referred to a specific deadline upon which the KStN was to become effective. Standard KStN were always dated on the 1st of the month. Provisional KStN were dated any other day of the month. These provisional KStN, (issued to test new organizations and changes to be promulgated), were then replaced by the official, standard KStN when ready. Sometimes, these provisional KStN remained in force and in effect became the standard KStN. In such cases, a ‘standard’ KStN (with an issue date on the 1st of the month), was not issued at all.

As new KStN appeared, the old ones were supposed to be and almost always were destroyed in the field. The bombing and the ensuing fire caused the destruction of the Potsdam military archives in 1945, which means that only portions of the KStN remain today.

KStN could be modified (changed) by General Army Memorandums (AHM – *Allgemeine Heeresmitteilungen*) and also by orders issued by the various arms inspectorates or higher headquarters. These agencies continually changed and modified the KStN, adding a vehicle here, deleting a soldier or three there, or making other modifications.

The KStN are identified by their original issue date in this book. Such changes as made by the orders mentioned above have been incorporated, but the dates of and authorizations for these changes have not been indicated.

The Germans occasionally published lists with valid KStN at specific periods, approximately once a year. Some of the KStN indicated on these lists were never published, or they were issued, but with a remark that they were not to be implemented until further notification, (or specific orders), which, in some cases, was never forthcoming. Some KStN existed only a short time, never appearing on these validity lists, (either cancelled, never authorized, or superseded.) Otheres were secret and never listed.

Other KStN were issued twice under the same date with minor modifications. The validity of the second one was indicated by underlining the date. Any KStN issued on that date had to have the date underlined to be valid.

KStN and changes became valid when authorized by higher headquarters and then applied immediately to unit strength reports. Internal reorganizations of the units were not made until the indicated units were able to implement them. This might mean having to wait until the units could be withdrawn from combat and having time for training and administrative matters. Units to be issued with new and particularly complicated equipment were usually withdrawn to training grounds, transferring most of their old equipment to other units upon departure. A new unit was normally raised, trained, and equipped at one of the training grounds and then sent to the front, where normally (but not always immediately) it joined its parent unit or formation.

The author has extrapolated the missing KStN from other KStN, which could be either contemporary and similar, or of the same KStN of later and/or earlier dates. The KStN number of the unit being defined in this case has an *) behind it. These educated guesses are also based on what information could be gleaned from orders of battle, unit histories (where available), unit strength reports, and German tactical doctrine manuals of the period.

It is important to emphasize that KStN indicated the maximum authorized organization. In many cases, they represented an ideal organization which in reality was not achieved.

GERMAN UNITS AND ORGANIZATIONAL SYMBOLS – 1939

The symbols in this book are based on the official German handbook of military symbols (H.Dv. 272) of 1938 – with amendments of the symbols as used in the organizational charts (Besondere Anlage 8 of the Mobilization Plans of 1939/1940). Where symbols in the latter are at variance with the former, those symbols of the organizational charts have been used.

In German organizational charts (and, as reflected in this book), the headquarters symbol represents two purposes. First, it indicated the size, function, and mobility of the unit. And, second, it also indicated the headquarters of that echelon itself. I.e., there was no separate symbol for this echelon's headquarters. For all headquarters units with (and sometimes important units without) separate KStN, the corresponding symbols were placed to the right of the echelon's symbol. The same applied to those units that were directly assigned to the echelon's headquarters.

The different functions and mobility additions were used to enhance the echelon's symbol to indicate a specific purpose. Company-sized units and sub-units symbols were also modified in a similar fashion.

An interesting feature of company and sub-unit symbols is that their size and shape dimensions could be altered to fit the diagram being depicted with them. Several infantry companies, for example, were placed side-by-side, elongated upwards, (so that all weapons symbols could fit within), and only the left-hand company had the thickened edge used to indicate its size (more of this below). The variations in size and shape followed the original configuration, so that the basic symbol was still recognizable as such.

The symbols were intended to be mnemonic. The headquarters symbols reflected the units' pennants used on vehicles or the standards themselves. (These flags and pennants were of different colors to represent the various combat arms, and usually had a number, letter, and/or heraldic symbol superimposed upon them). Hence, any German looking at one of these symbols could immediately recognize the unit type being depicted. The colors in real life were substituted by the unit function and mobility modifiers above and below the symbols. In addition, a simplified version of the organizational symbols was, for example, painted on unit vehicles.

The mobility of the unit was also quickly recognizable. The two small circles ('wheels') underneath a symbols identified the unit as being motorized. In case these wheels were over the symbol (applied only to artillery-type units), this indicated that the unit was motorized by half-tracked prime movers. Elongated ovals ('tracks') applied underneath the symbol meant that the unit was self-propelled. A wheel and a track symbol indicated a halftracked amored vehicle.

Although the official handbook indicated that armored infantry units should have the halftrack symbol underneath them instead of the motorized symbol, this practice was not yet followed in most organizational charts at that time. The diagrams in this book reflect this usage.

The lozenge symbol represented armor. All tank units used this symbol. It was shaped to reflect World War I tanks, and hence provided a good memory assist.

Aside from a very few specialized symbols, which were quickly memorized, all company-sized and smaller unit symbols tended to reflect the units' function or at least their main weapon. In most cases, a unit too difficult to depict easily was instead represented by a box with a corresponding abbreviation inside. In case it belonged to a particular arm, the arms symbol could be placed on top of or within this box. Where various modifiers applied, these were all added to the symbol.

Company-sized units had, somewhere within their symbol, a thickened part, usually a side. The only exception found was the Baker Company, which merely had the symbol representing a loaf of bread.

Excluded from this were the firing artillery (tube, rocket-launcher, and anti-aircraft) batteries. There, the weapon symbol itself in firing batteries (usually with the number of guns underneath) indicating a battery. (Firing artillery in units smaller than battery size were depicted on a smaller scale). None-firing batteries of the artillery arm followed the normal form of thickening a portion of the symbol to indicate their size. Infantry-type artillery (anti-aircraft and infantry gun) and well as machine gun companies followed the normal practice, and the weapon symbols representing these types of companies had the upright stems thickened accordingly.

Where several columns, platoons, or detachments were gathered under a company headquarters, (such as a heavy company) – and each of these sub-units had its own KStN – these symbols were placed side-by-side and had a company echelon symbol placed over them.

The Germans numbered their units on organizational charts from the right. I.e., the first company was on the far right, and the last company was on the far left. The same applied to battalions and regiments.

Units smaller than companies appeared on organizational charts only if they had their own KStN. Exceptions occurred, particularly if headquarters sub-units had specialized equipment. They were depicted on a smaller scale than company-sized units.

Staffel (Detachment) An elastic designation for several components under a headquarters section, these components being from section to platoon size. Often this was merely an administrative grouping, and the components were distributed to other sub-units in combat. It could either have its own small headquarters section, or one of the components' leaders could carry out a dual function.

Kolonne (Column) An independent transportation unit, varying from company to platoon size, transporting equipment or supplies such as a bridge column (which in fact did not actually built the bridge it was transporting), or even as an light 'infantry' column (which consisted of a set number of horse-drawn vehicles capable of transporting a fixed tonnage).

Zug (Platoon) An independent unit or the typical main sub-division of companies and batteries. Usually, the 1st and 2nd platoons in each company-sized unit, and also of independent platoons, were lead by a lieutenant, while the other platoons were headed by a senior NCO.

Trupp (lit. Troop; Section) A small unit, equipped with specialized equipment; it could also be part of the designation for a headquarters echelon unit.

The units indicated below were not depicted as separate symbols.

Halb-Zug (lit.: Half-Platoon) Some platoons, for example HMG Platoons, could be divided into two parts.

Gruppe (Squad, Section) This was normally the smallest sub-unit that existed in the German Army. In this book, the word "Squad" has only been used for infantry and reconnaissance infantry units. All other units of this size have been designated as "Sections".

Halb-Gruppe (lit. Half-Squad, i.e. Team) In the case of infantry and reconnaissance units, squads could be broken down into two parts. Infantry and reconnaissance squads were built up around the squad LMG. Where only one LMG was provided, the LMG team provided cover while the other team was the movement element. Where two LMG were available, the teams covered each other in turns. Reconnaissance teams, on the other hand, were trained to work independently, although they too could function as a squad.

German Organizational Symbols 1939

SIZE, FUNCTION, MOBILITY

General Headquarters	Army Group Headquarters	Army Headquarters	Group Headquarters	Corps Headquarters	Division Headquarters	Brigade Headquarters	Regiment Headquarters	Battalion Headquarters	Company Headquarters	Motorcycle Messenger Platoon	Band
Infantry	Motor Transport	Panzer Troops	Cavalry	A Recon-naissance	Signal	Engineer	Bridging Engineer	Railroad Engineer	Supply	Medical	Veterinary
Mountain	Bicycle	Machine Gun	Infantry Anti-Aircraft	Mixed Mobility	Motorized	Motorcycle	Tank	Anti-Tank	Artillery	Bb Artillery Observation	Construction
Foot / Horse-Drawn	Mountain	Ski	Sled	Pack Animal	Bicycle	Mixed Mobility	Motorized	Motorcycle	Halftrack Towed	Self-Propelled	Halftrack

LUFTWAFFE GROUND COMBAT UNITS

Luftwaffe Flak Regiment Headquarters	Luftwaffe Lt. Flak Bn. Headquarters	Luftwaffe Hvy. Flak Bn. Headquarters	Luftwaffe Light (20mm) Flak Battery	Luftwaffe Light (37mm) Flak Battery	Luftwaffe Heavy (88mm) Flak Battery	Luftwaffe Searchlight Flak Battery	Luftwaffe Flak Transport Column (mot)	Luftwaffe Signal Bn. Headquarters	Luftwaffe Radio Company	Luftwaffe Telephone Company	Luftwaffe Telephone Operations Co.

WEAPON SYMBOLS

Light Machine Gun	Heavy Machine Gun	Anti-Tank Rifle	20mm Anti-Tank Gun	37mm Anti-Tank Gun	50mm Light Mortar	81mm Heavy Mortar	75mm Light Infantry Gun	150mm Heavy Infantry Gun	Flame Thrower	20mm Light Anti-Aircraft Gun	88mm Anti-Aircraft Gun

INFANTRY UNITS AND MOUNTAIN UNITS

Infantry Platoon	Infantry Company	Infantry Heavy Company	Infantry Bicycle Platoon	Infantry Engineer Platoon	Infantry Signal Platoon	Infantry Anti-Tank Platoon	Infantry Gun Company		Light Anti-Aircraft Co. (mot)	Infantry Mounted Recon. Plt.	le. Inf. Light Infantry Transport Column
Mountain Infantry Platoon	Mountain Infantry Company	Mountain Heavy Company	Mountain Bicycle Inf. Plt.	Mountain Engineer Platoon	Mountain Signal Platoon	Mountain Anti-Tank Co. (mot)		Mountain Lt. Inf. Gun. Platoon	Light Mtn. Anti-Aircraft Co. (mot)	Mountain Machine Gun Platoon	Mountain Transport Column
Infantry Platoon (motorized)	Infantry Company (motorized)	Infantry Heavy Co. (motorized)	Infantry Motorcycle Platoon	Infantry Engineer Plt. (mot)	Infantry Signal Plt. (mot)	Infantry Anti-Tank Co. (mot)	Infantry Gun Company (motorized)	Infantry Gun Platoon (motorized)	Light Anti-Aircraft Co. (mot)	Machine Gun Company (motorized)	le. Inf. Light Infantry Transport Column (mot)

ENGINEER UNITS

Engineer Platoon	Engineer Company	Mountain Engineer Company	Engineer Company (motorized)	Bridge Construction Company	Construction Company	Str Road Construction Company	Engineer Equipment Plt. (mot)	Engineer Searchlight Plt. (mot)	Engineer Snow-Clearing Plt. (mot)		
B Bridge Column *B* (motorized)	K Bridge Column *K* (motorized)	D Bridge Detachment *D* (motorized)	H Unit of Bridge Equipment *H*	leZ Unit of Bridge Equipment *leZ*	sS Unit of Bridge Equipment *sS*	Bridge Unit with Escort Detachment	Bridge Column Unit & Escort Detachment	Railroad Engineer Company	le. Light Engineer Transport Column (mot)		

German Organizational Symbols 1939

MOBILE TROOPS

Motorized Infantry Platoon	Motorized Infantry Company	Motorized Machine Gun Company	Motorized Heavy Company (typical example)		Pz Motorized Engineer Platoon	Motorized Infantry Gun Platoon	Motorized Mortar Platoon	Motorized Anti-Tank Company	Motorcycle Infantry Platoon	Motorcycle Infantry Company	Motorcycle Machine Gun Company
A Cavalry Bicycle Recon. Co.	Motorcycle Recon. Platoon	Motorcycle Recon. Company	Motorized Heavy Reconnaissance Company (typical example)		Motorized Recon. lt. I.G. Plt.	Armored Car Platoon	Armored Car Company	Mot. Recon. Signal Platoon	le. A.A. Light Recon. Transport Column		
Cavalry Platoon	Cavalry Company	Cavalry Machine Gun Company	Cavalry Bicycle Company	Cavalry Heavy Company	A Cavalry Recon. Platoon	Cavalry Infantry Gun Platoon	Cavalry Engineer Platoon	Cavalry Anti-Tank Platoon	Cavalry Motorized Heavy Company (typical example)		Cavalry Signal Platoon
le Light Tank Platoon	le Light Tank Company	le(a) Light Tank Company a	m Medium Tank Company	St Headquarters Company	Reserve Tank Detachment	Tank Maintenance Platoon	Tank Maintenance Company	Armored Signal Platoon	le. Light Panzer Transport Column		

ARTILLERY UNITS

75mm Field Gun Battery	75mm Mtn. Gun Battery (GK 15)	105mm Mtn. Howitzer Battery	75mm Field Gun Battery (FK 16nA)	75mm Cav. Gun Battery (FK 16nA)	75mm Field Gun Battery (FK 18)	105mm Field Howitzer Battery	105mm Field Howitzer Bty. (l. FH 16)	105mm Field Howitzer Bty. (l. FH 18)	105mm Gun Battery	105mm Gun Battery (K 17)	105mm Gun Battery (K 18)
150mm Gun Battery (K 16)	150mm Gun Battery (K 18)	150mm Gun Battery (K 39)	150mm Gun Battery (How. Base)	210mm Gun Battery (K 12)	210mm Gun Battery (K 38)	210mm Gun Battery (K 39)	240mm Gun Battery	240mm Gun Battery (K 3)	Heavy Field Howitzer Battery	150mm Field Howitzer Bty. (s. lg. FH 13)	150mm Field Howitzer Bty. (sFH 18)
210mm Howitzer Bty. (lange Mörser)	210mm Howitzer Bty. (M 18)	240mm Howitzer Bty. (H 39)	305mm Howitzer Battery		Nbl 105mm Rocket Launcher Bty. (Nb. W. 35)	Eg Decon-tamination Battery			St Headquarters Battery	St Motorized Headquarters Battery	St Bb Hqs. Bty. Art. Obs. Battalion
Motorized Calibration Detachment	Mountain Calibration Detachment	Calibration Platoon	Weather Detachment	Motorized Weather Platoon	V Calibration Battery	Sch Sound-Ranging Battery	Li Flash-Ranging Battery	Balloon Detachment	Motorized Balloon Battery	Artillery Transport Column (mot)	Kzg. Artillery Motor Towing Detachment

SIGNAL UNITS

Prop Motorized Propaganda Company	Motorized Signal Company	Motorized Telephone Company	Mountain Telephone Company	Telephone Construction Company	Wire Construction Company	Telephone Operations Company	Motorized Radio Company	Motorized Interception Company	Pz Armored Signal Company	Pz Armored Radio Company	le. Light Signal Transport Column (mot)

REAR ECHELON UNITS

le. Horse-Drawn Transport Column (15t)	Horse-Drawn Transport Column (30t)	Horse-Drawn Transport Column (60t)	Motorized Transport Column (30t)	Motorized Transport Column (60t)	Motorized Supply Company	Motorized P.O.L. Col. (25cbm)	Motorized P.O.L. Col. (50cbm)	Motorized Water Tanker Col. (60cbm)	Motorized Maintenance Platoon	Motorized Maintenance Company	Park
Carrier Pigeon Dovecot	Motorized Mapping Detachment	D Motorized Printing Detachment	Casualty Transport Company	Casualty Field Hospital	Light Casualty Field Hospital	Field Hospital	Medical Company	Motorized Ambulance Platoon	Veterinary Company	Veterinary Hospital	Mot. Horse Transport Column
Motorized Bakery Company	Motorized Butchery Platoon	Vpfl.A. Commissary Detachment	Motorized Field Post Detachment	Motorized Miltary Police Platoon	Motorized Miltary Police Company	g. F.P. Secret Field Police Detachmrnt	Survey Detachment (motorized)	Survey Company (motorized)	Survey Printing Det. (mot)	Labor or Construction Company	Pz Armored Train

Pictograms Depicting Individual Figure Symbols (excerpts)

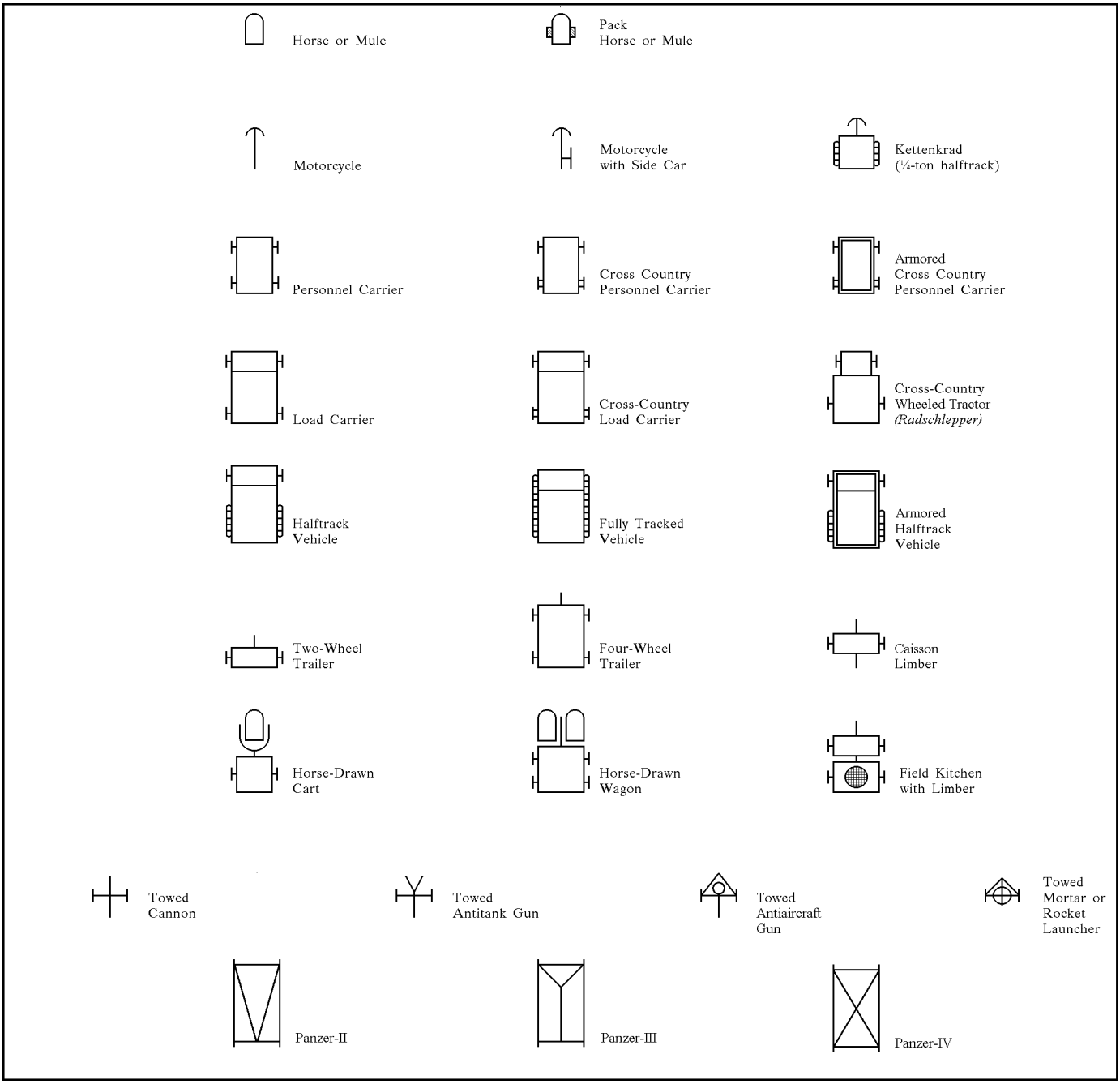
Symbol	Billet Group	Definition
	D	Divisioninal Commander / General Officer in a “D” Group billet *Divisionskommandeur / Offizier in D-Stelle*
	I	Infantry, Artillery, or Brigade Commander / General Officer in an “I” Group billet. *Infanterie-, Artillerie-, Brigadekommandeur / Offizier in I-Stelle*
	R	Regiment Commander / Officer in an “R” Group billet *Regimentskommandeur / Offizier in R-Stelle*
	B	Battalion Commander / Officer in a “B” Group billet *Abteilungs- bzw. Bataillonskommandeur / Offizier in B-Stelle*
	K	Company, Squadron, or Battery Commander / Officer in a “K” Billet group *Kompanie-, Schwadron-, bzw. Batterieführer / Offizier in K-Stelle*
	K	Company Headquarters Section Leader *Kompanietruppführer*
	K	Battalion Physician *Battailonsarzt*
	Z	Platoon Leader / Officer in a “Z” Billet group *Zugführer / Offizier in Z-Stelle*
	Z	Medical Officer / Assistant Physician Sanitätsoffizier / Hilfsarzt
	–	Higher and Upper Service Career Civilian Employee (commissioned rank official) *Beamter Gehobener und Höherer Dienst (in Offiziersrang)*
	O	Middle Service Career Civilian Employee (senior noncommissioned rank official) *Beamter Mittlerer Dienst (im Unteroffiziersrang)*
	O	Senior Sergeant *Oberfeldwebel*
	O	Senior Sergeant, Leader *Oberfeldwebel, Führer*
St	O	Senior Staff Sergeant *Stabsfeldwebel*
H	O	Company First Sergeant *Hauptfeldwebel*
H	O	Company First Sergeant on Bicycle *Hauptfeldwebel auf Fahrrad*
F	O	Explosives Sergeant *Feuermeister*
	G	Platoon Headquarters Section Leader *Zugtruppführer*
	G	Sergeant *Unteroffizier*
	G	Middle Service Career Civilian Employee (junior noncommissioned rank official) *Beamter Mittlerer Dienst (im Unteroffiziersrang)*
	G	Sergeant (Section / Squad) Leader *Gruppenführer*
	G	Sniper Section Leader *Führer des Scharfschützentrupps*
P	G	Antitank Rifle Section Leader *Führer des Panzerbüchsentrupps*
	G	Assistant (Section / Squad) Leader *Stellvertretender Gruppenführer*
	G	Sergeant filling position of a Senior Sergeant *Oberfeldwebel Diensttuer*
	G	Sergeant with Scissors Telescope *Unteroffizier mit Scherenfernrohr*
	G	Medical Sergeant *Sanitätsunteroffizier*
	G	Mortar Section Leader *Unteroffizier, Führer des Granatwerfertrupps*
	–	Artillery Observer *Artilleriebeobachter*

Symbol	Billet Group	Definition
	M	Enlisted Man *Mann*
	M	Messenger in the Company Headquarters Section *Melder beim Kompanietrupp*
	M	Messenger with Scissors Telescope in the Company Headquarters Section *Melder beim Kompanietrupp / zugleich Scherenfernrohrträger*
	M	Messenger / Bugler in the Company Headquarters Section *Melder beim Kompanietrupp / zugleich Hornist*
M	M	Messenger on Bicycle in the Company Headquarters Section *Melder beim Kompanietrupp auf Fahrrad*
	M	Bicyclist in the Company Headquarters Section *Radfahrer beim Kompanietrupp*
	M	Messenger on Motorcycle in the Company Headquarters Section *Kraftradfahrer als Melder beim Kompanietrupp*
M	M	Motorcyclist in the Company Headquarters Section *Kraftradfahrer beim Kompanietrupp*
	M	Medic in the Company Headquarters Section *Sanitäter beim Kompanietrupp*
	M	Messenger in the Platoon Headquarters Section *Melder beim Zugtrupp*
	M	Messenger / Bugler in the Platoon Headquarters Section *Melder beim Zugtrupp / zugleich Hornist*
P	M	No. 1 Antitank Gunner *Schütze 1 im Panzerbüchsentrupp*
P	M	No. 2 Antitank Gunner *Schütze 2 im Panzerbüchsentrupp*
	M	Sniper *Scharfschütze*
	M	Scissors Telescope Carrier *Scherenfernrohrträger*
	M	Distance Measurer *Entfernungsmessmann*
	M	Telephone Operator / Wireman *Fernsprecher*
	M	Radio Operator *Funker*
	M	Machine Gunner *Maschinengewehrschütze (Richtschütze)*
	M	Assistant Machine Gunner *Maschinengewehrschütze*
	M	Rifleman with Grenade Launcher *Schütze mit Schießbech (Gewehrgranatgerät)*
	M	No. 1 Mortarman *Granatwerferschütze 1*
	M	No. 2 Mortarman *Granatwerferschütze 2*
	M	Stretcher Bearer *Krankenträger*
	M	Bicyclist *Radfahrer*
	M	Motorcyclist *Kraftradfahrer*
	–	Foreign Auxiliary Volunteer *Hilfswilliger*
	M	Lower Service Career Civilian Employee (enlisted rank official) *Beamter Einfacher Dienst (im Mannschaftsrang)*
	M	Motor Vehicle Driver *Kraftfahrer*

Abbreviations:

Adj	Adjudant	Adjutant
B	Fahnenschmied	Farrier / Horse Smith
Bäck	Bäker	Baker
Be	Beamte	Career Civilian Employee (Official)
Beob	Beobachtung	Observation
Beritt	Berittführer	Vehicle Team Leader
Betr	Betriebsstoff	Fuel
Bl	Blinker	Flash Signaler
Dreh	Dreher	Lathe Operator
Druck	Drucker	Printer
Elt	Elektromechaniker	Electrician
EM	Entfernungsmesser	Distance Measurer
F	Feuermeister	Exposives Specialist
Fahr	Fahrer	Driver
Fe	Fernsprecher	Telephoneman / Wireman
Fhr	Führer	Leader
Ft	Futter	Fodder
Fu	Funker	Radio Man
FuM	Funkmeister	Radio Specialist
G	Gerät	Equipment
Gas	Gasschutz	Gas Protection
GewF	Gewehrfüher	Gun Team Leader
H	Handwerker	Craftsman
H	Hauptfeldwebel	Company First Sergeant
Ing	Ingenieur	Engineer
K	Koch	Cook
Kf	Kraftfahr	Motor
Kl	Klempner	Plumber
L	Ladeschütze	Loader
M	Melder	Messenger
Mal	Maler	Painter
Mau	Maurer	Mason
Meß	Messdienst	Measurer
Mot	Motorenschlosser	Motor Mechanic
Mun	Munition	Ammunition
N	Nachrichten	Signal
o.O.	Ordonnanz Offizier	Aide to a General Staff Officer
Ord	Ordonnanz	Enlisted orderly
Pf	Pferdehalter, Pferdepfleger	Horse Holder, Groom
Pi	Pionier	Pioneer / Engineer
Pol	Polizei	Military Policeman
R	Rechnungsführer	Accounts Clerk
Rech	Rechner	Calculator
RK	Richtkreis	Direction Finder
Rad	Radfahrer	Bicyclist
S	Scherenfernrohr	Scissors Telescope
San	Sanitäts-	Medical / Medic
Sat	Sattler	Saddle Maker
Schir	Schirrmeister	Specialist Sergeant
	Schirrmeister (Ch)	for Chemical Warfare Equipment
	Schirrmeister (F)	for Horse-Drawn Transportation Matters
	Schirrmeister (Fz)	for Army Ordnance Matters
	Schirrmeister (K)	for Motor Vehicle Equipment
	Schirrmeister (P)	for Engineering Matters
	Schirrmeister (Sch)	for Searchlight Equipment
Schl	Schächter	Butcher
Schm	Schmied	Smith
Schn	Schneider	Tailor
Schr	Schreiber	Clerk
Schu	Schuhmacher	Cobbler
Stell	Stellmacher	Wheelwright
St	Stellungs-	Ranging
Tisch	Tischler	Carpenter
V	Verpflegung	Commissary / Rations
V	Verwaltung	Administration
Ver	Vermessungsmann	Distance Measurer
Vet	Veterinär	Veterinary
W	Waffen-	Armorer
WF	Waffenführer	Weapon Commander
Wm	Waffenmeister	Master Armorer
Zahl	Zahlmeister	Paymaster
Zei	Zeichner	Draftsman

Pictograms Depicting Vehicle and Animal Symbols



NOTES to personnel symbols:
The basic symbols with a few examples are depicted here. Other depictions use these basic symbols in combination, usually enhanced by abbreviations. The symbols were used to define billets (personnel positions / slots). Not ranks.

There was no fixed use of abbreviations, and to find their meaning, it is helpful to observe where they are used and what billet they might represent. If a billet held a certain title, but the symbol alone was unclear, an abbreviation was added. In other cases, the symbol itself was unable to depict all characteristics of the position, and the abbreviations were used to define the missing ones.

Some diagrams used a simplified symbol version. The presonnel symbols were kept very basic, and they were not liberally decorated with abbreviations. Abbreviations might be reduced, whereby, for example, merely an “S” instead of “Schir” for the Specialist Sergeant, or “P” instead of “Pf” for the grooms were used, etc.

See also:
German Army ranks and Stellengruppen (billet groups), in the Annex
German military personnel job descriptions, in the Annex

NOTES to vehicle symbols:
There was no fixed use of abbreviations, and to find their meaning, it is helpful to observe where they are used and what vehicle is meant.

Most pictograms were not liberally decorated with these abbreviations, and some diagrams used a simplified symbol version.

Where diagramss have not been available, the simplified form of symbols has been used.

Abbreviations found with vehicle symbols:

A	Stromerzeugeraggregat	generator Type A
Be	Belag	bridge tread
Bo	Bock	trestles
D	Stromerzeugeraggregat	generator Type D
Dr	Drucklufterzeuger	air compressor
Fl	Flossack	rubber raft (lit.: air bags)
Fl.S.	Flossack-Schnellsteg	assault bridge on rubber rafts
Fs	Fahrseil	winch
Ks	Kradschützensteg	motorcycle bridge
M	M-Bootanhänger	trailer with motor boat
P	Ponton	pontoon
Rp	Rampen	ramps
Sl	Sammlerladegerät	accumulator (battery) charger
Sp	Spurtafel-Brücke	narrow assault bridge
Stb	Sturmbootanhänger	trailer with assault boats
T	Träger	support beams
Tl	Tiefladeanhänger	low bed trailer
Üs	Übergangsschienen	connecting ramps

ABBREVIATIONS

Abbr.	*German*	*English*
AA	–	anti-aircraft
A.A.	Aufklärungs-Abteilung	reconnaissance battalion
Abt	Abteilung	Battalion echelon unit
–	Abschnitt	Sector
AFV	–	armored fighting vehicle
Agr	Armeegruppe	temporary group of several Corps
Ammo	–	ammunition
–	Amt	office / department / section
Armd	–	armored
–	Armee	Army
AK	Armeekorps	Army Corps
AT	–	anti-tank
ATG	–	anti-tank gun
ATR	–	anti-tank rifle
Arko	Artillerie Kommandeur	Artillery Commander
Aufkl	Aufklärungs-	reconnaissance
Ausf	Ausführung	mark / model / type
Battr	Betterie	Battery (Company echelon unit)
Btl, Batl	Bataillon	Battalion
Bb, Beob	Beobachtung	observation
Bef-Pz	Befehlspanzer	command tank
Bn	–	Battalion
Brig	Brigade	Brigade
Bty	–	Battery (Company echelon unit)
cc	–	cross-country
Co	–	Company
CO	–	commanding officer
Col	–	(unit) Column
Col	–	(rank) colonel
Det	–	Detachment
–	Dienst(e)-	service(s)
Div	Division	Division
(**E**)	Eisenbahn	railroad
EM	–	Enlisted Man
Engr	–	Engineer
F, Fest	Festung	Fortress
FH	Feldhaubitze	field howitzer (gun-howitzer)
FK	Feldkanone	field gun
Fla	Fliegerabwehr	anti-aircraft
Flak	Flugabwehrkanone	(weapon) anti-aircraft gun
Flak	Flugabwehr	(unit) anti-aircraft defense
–	Führungsstab z.b.V.	Headquarters for Special Purposes
G, Gesch	Geschütz	gun (cannon)
Geb	Gebirgs-	mountain
Gen	–	(rank) general
gem	gemischt(e)(er)-	mixed
GHQ	–	General Headquarters
GK	Gebirgskanone	mountain gun
Gen Kdo	General Kommando	Corps echelon Command
gp, gep	gepanzert	armored
Gr	Gruppe	Group
Grz	Grenz	Border
Grz Schtz	Grenzschütz	Border Protection
Grz Tr	Grenztruppen	Border Troops
Grz Wa	Grenzwacht	Border Guards
GSO	(Beamte)	Government Service Official
H, Haub	Haubitze	howitzer
H Tr	Heerestruppen	GHQ Troops
Harko	Höhere Artillerie Kommandeur	Higher Artillery Commander
HE	–	high explosive
Hgr	Heeresgruppe	Army Group
HMG	–	heavy machine gun
Hqs	–	headquarters
hvy	–	heavy
IG	Infanterie-Geschütze	infantry gun
I, Inf	Infanterie	Infantry
K, Kan	Kanone	gun
Kav	Kavallerie	Cavalry
Kdo	Kommando	Command
Kdr	Kommandeur	commander
Kdt	Kommandant	commandant
kl	klein	small, light
Kol	Kolonne	Column
KOM	Kraftomnibus	motor bus
Kp	Kompanie	Company
Krad	Kraftrad	motorcycle
KStN	Kriegstärkenachweisung	Table of Organization
kz	kurz	short

Abbr.	*German*	*English*
L, le, lei	leicht	light
–	Lehr	demonstration
lg	lang	long
Li	Lichtmess	flash ranging
LMG	–	light machine gun
lt	–	light
Lw, Ldw	Landwehr	Militia / National Guard
L, Lw	Luftwaffe	German Air Force
M, Mörs	Mörser	heavy howitzer
m	mittler	medium
mcl (w/sc)	–	motorcycle (with sidecar)
med	–	medium
MG	Maschinengewehr	machine gun
mot	motorisiert	motorized
mot S	mot. Selbstfahrlafette	motorized self-propelled carriage
mot Z	motorisierter Zug	motorized prime mover
MTW	Mannschaftstransportwagen	armored personnel carrier
Nachr	Nachrichten-	signal
Nbl	Nebel	smoke
Nbl W	Nebelwerfer	rocket launcher
NCO	–	Non-Commissioned Officer
Ob	Oberbefehlshaber	Commander-in-Chief
Off	–	Officer
OKH	Oberkommando des Heeres	Army High Command
OKW	Oberkommando der Wehrmacht	Armed Forces High Command
ops	–	operations
Pak	Panzerabwehrkanone	(weapon) anti-tank gun
Pz Abw	Panzer-Abwehr	(unit) anti-tank
Pi, Pion	Pionier	Engineer
Plt	–	Platoon
Prop	Propaganda	propaganda
Pz, Panz	Panzer	tank, armor
Recon	–	reconnaissance
Rgt	Regiment	Regiment
S	Schützen	mechanized infantry (lit.: riflemen)
s, schw	schwer	heavy
Sch	Schallmess	sound ranging
Schw	Schwadron	Company echelon unit (lit.: squadron)
Sd	sonder	special
Sd Kfz	Sonder-Kraftfahrzeug	special military motor vehicle
Sect	–	Section
SMG	–	sub machine gun
SP, SP'd	–	self-propelled
Sdq	–	Squad
Sqdn	–	Squadron (Company echelon unit)
SS	Waffen-SS	Nazi Party military arm
SS-VT	SS-Verfügungs-Truppen	SS combat troops (Waffen-SS)
ss, sw	schwerste	super heavy
St, Stb	Stab	headquarters
(**t**)	tschechisch	Czechoslovakian
tele	–	telephone
Tr	Trupp/Trupps	(unit) Section (lit.: Troop)/Sections
Tr	Truppen	(general designation) Troops
erb	Verband	formation
verl	verlastet	truck-borne / portee
Versorg	Versorgungs-	support
Verpfl A	Verpflegungsamt	rations administration section
w/ (w/o)	–	with (without)
–	Welle	mobilization group (lit.: wave)
–	Werkstatt	maintenance (lit.: workshop)
Wfr	Werfer	(rocket-, grenade-) launcher
WK	Wehrkreis	Military District
zbV	zur besonderer Verwendung	for special purposes / use
Zug	–	(unit) Platoon
Zug	–	(vehicle) prime mover

ORDER OF BATTLE

Army Group	Army	Corps	Formations and Units
NORD 73. Infanterie-Division 206. Infanterie-Division 208. Infanterie-Division	**4. Armee** 23. Infanterie-Division 218. Infanterie-Division	2. Grenzschutz-Abschnitts-Kdo.[1]	2. Grenzwacht-Abschnitt 52. Grenzwacht-Abschnitt
		12. Grenzschutz-Abschnitts-Kdo.	3. Grenzwacht-Abschnitt 13. Grenzwacht-Abschnitt 23. Grenzwacht-Abschnitt Festung Küstrin
		III. Armeekorps	50. Infanterie-Division Brigade Netze[1]
		II. Armeekorps	3. Infanterie-Division 32. Infanterie-Division
		XIX. Armeekorps (motorisiert)	2. Infanterie-Division (mot) 20. Infanterie-Division (mot)[2] 3. Panzer-Division
		1. Grenzschutz-Abschnitts-Kdo.	207. Infanterie-Division 32. Grenzwacht-Abschnitt 42. Grenzwacht-Abschnitt
	3. Armee 217. Infanterie-Division	15. Grenzschutz-Abschnitts-Kdo.	1. Grenzwacht-Abschnitt 21. Grenzwacht-Abschnitt
			Gruppe Danzig[3] Gruppe Oberst Medem
		XXI. Armeekorps	21. Infanterie-Division 228. Infanterie-Division 11. Grenzwacht-Abschnitt
		I. Armeekorps	11. Infanterie-Division 61. Infanterie-Division Panzerverband Kempf
		Führungsstab z.b.V. (Stab Wodrig)	1. Infanterie-Division 12. Infanterie-Division[2] 31. Grenzwacht-Abschnitt
			1. Kavallerie-Brigade
		Gruppe Brand	Lötzen Festung[4] Brigade Goldap[5] 41. Grenzwacht-Abschnitt 61. Grenzwacht-Abschnitt
OKH Reserves at Heeresgruppe Nord 3. Panzer-Division			
SÜD 16. Infanterie-Regiment[6] 252. Infanterie-Division[10] 257. Infanterie-Division[10] 258. Infanterie-Division[10] **VII. Armeekorps** – 27. Infanterie-Division – 68. Infanterie-Division **XXII. Armeekorps** – 62. Infanterie-Division – 213. Infanterie-Division – 221. Infanterie-Division	**8. Armee** 30. Infanterie-Division	13. Grenzschutz-Abschnitts-Kdo.	108. Grenzwacht-Abschnitt 118. Grenzwacht-Abschnitt 138. Stellungs-Abschnitt 148. Stellungs-Abschnitt
		14. Grenzschutz-Abschnitts-Kdo.	88. Grenzwacht-Abschnitt 98. Grenzwacht-Abschnitt 126. Stellungs-Abschnitt 183. Landwehr-Regiment
		X. Armeekorps	24. Infanterie-Division
		XIII. Armeekorps	10. Infanterie-Division 17. Infanterie-Division Leibstandarte-SS Adolf Hitler
	10. Armee 1. leichte Division (mot) 2. leichte Division (mot)	**XI. Armeekorps**	13. Infanterie-Division (mot) 29. Infanterie-Division (mot)
		XVI. Armeekorps (motorisiert)	14. Infanterie-Division 31. Infanterie-Division 1. Panzer-Division
		XIV. Armeekorps (motorisiert)	18. Infanterie-Division 19. Infanterie-Division 4. Panzer-Division
		IV. Armeekorps	4. Infanterie-Division 46. Infanterie-Division
		XV. Armeekorps (motorisiert)	3. leichte Division (mot)
	14. Armee 1. Gebirgs-Division 2. Gebirgs-Division 30. Grenzschutz-Abschnitts-Kdo.	**VIII. Armeekorps**	8. Infanterie-Division 28. Infanterie-Division 239. Infanterie-Division 5. Panzer-Division SS-Standarte Germania (mot) 3. Grenzschutz-Abschnitts-Kdo.
		XVII. Armeekorps	7. Infanterie-Division 44. Infanterie-Division 45. Infanterie-Division
		XVIII. Armeekorps	3. Gebirgs-Division 4. leichte Division (mot) 2. Panzer-Division
OKH Reserves at Heeresgruppe Süd 56. Infanterie-Division 57. Infanterie-Division			
C 78. Infanterie-Division[8]	**5. Armee** 58. Infanterie-Division 87. Infanterie-Division[9]	**VI. Armeekorps**	16. Grenzschutz-Abschnitt
		XXX. Armeekorps	9. Grenzschutz-Abschnitts-Kdo.
		V. Armeekorps	22. Infanterie-Division[6] 225. Infanterie-Division
		XXVII. Armeekorps	16. Infanterie-Division 69. Infanterie-Division 211. Infanterie-Division 216. Infanterie-Division
		Generalkommando der Grenztruppen Eifel	26. Infanterie-Division 86. Infanterie-Division 227. Infanterie-Division Grenzschutz-Abschnitts-Kdo. Trier Grenzschutz-Abschnitts-Kdo. Aachen
	1. Armee 75. Infanterie-Division[9] 209. Infanterie-Division 214. Infanterie-Division 223. Infanterie-Division 231. Infanterie-Division 246. Infanterie-Division	**XII. Armeekorps**	15. Infanterie-Division 34. Infanterie-Division 52. Infanterie-Division 79. Infanterie-Division
		Generalkommando der Grenztruppen Saarpfalz	6. Infanterie-Division 9. Infanterie-Division 36. Infanterie-Division 125. Grenzinfanterie-Regiment 127. Grenzinfanterie-Regiment 129. Grenzinfanterie-Regiment 132. Grenzschutz-Abschnitt 142. Grenzschutz-Abschnitt 152. Grenzschutz-Abschnitt
		IX. Armeekorps	25. Infanterie-Division 33. Infanterie-Division 71. Infanterie-Division
	7. Armee 78. Infanterie-Division 212. Infanterie-Division 215. Infanterie-Division	**Generalkommando der Grenztruppen Oberrhein**	5. Infanterie-Division 14. Landwehr-Division 35. Infanterie-Division SS-Standarte Der Führer (mot)
OKH Reserves at Heeresgruppe C 251. Infanterie-Division[7] 253. Infanterie-Division[7] 254. Infanterie-Division[7] 255. Infanterie-Division[7] 256. Infanterie-Division[7] 260. Infanterie-Division[7] 262. Infanterie-Division[7] 263. Infanterie-Division[7] 267. Infanterie-Division[7] 268. Infanterie-Division[7] 269. Infanterie-Division[7]			

NOTES:

1.
The Brigade Netze comprised the 12. Grenzwacht-Abschnitt and 22. Grenzwacht-Abschnitt, of the 2. Grenzschütz-Abschnitts-Kdo.

2.
The 20. Infanterie-Division (mot) was reinforced by 2 infantry battalions and 1 artillery battalion from the 12. Infanterie-Division.

3.
The Gruppe Danzig (also known as the Brigade Eberhard) had 2 regiments Danzig "Landespolizei" and 1 artillery battalion.

4.
The Festung Lötzen had an approximate strength of one "Landwehr" division.

5.
The Brigade Goldap comprised the fortress troops of Königsberg, the 51. Grenzwacht-Abschnitt, 4 battalions of "Landesschützen", 1 artillery battalion, 1 anti-tank battalion, 1 engineer battalion, and misc. other units.

6.
The 16. Infanterie-Regiment was an air-landing unit, detached from the 22. Infanterie-Division.

7.
The 4th Welle infantry divisions were released by the OKH on 3.09.1939 as follows:

251. to 5. Armee
253. to 5. Armee
254. to 5. Armee
260. to Gen. Kdo. Grz. Tr. Oberrhein
262. to Gen. Kdo. Grz. Tr. Oberrhein
263. to 5. Armee
267. to 5. Armee
268. to 1. Armee
269. to 5. Armee

[The 255. and 256. Infanterie-Divisions (the remaining 4th Welle formations), although OKH Reserves, were not really ready at this time, and were not released at all.]

8.
The 76. Infanterie-Division was truck-borne by means of a motor transportation regiment. On 1.09.1939, this division was released by the OKH to Heeresgruppe C, and was still en-route at this time.

9.
These divisions were released on 1.09.39 and were enroute at this time.

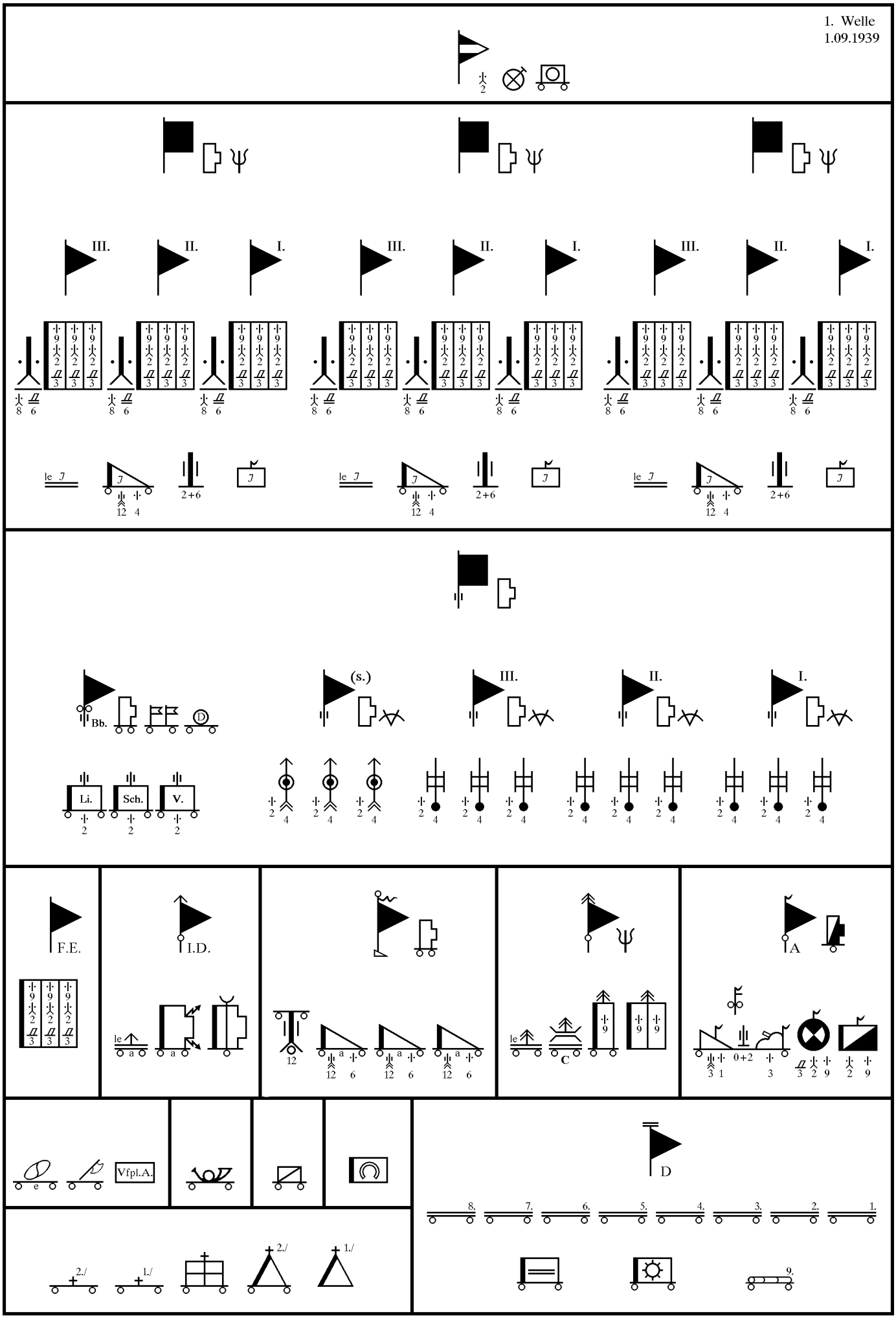
10.
Although indicated as "en-route" on the order of battle chart, these three 4th Welle divisions were not ready on 1.09.1939, and were still undergoing trained at this time.

Generalkommando der Grenztruppen
Corps echelon command of the Border Troops

Grenzschutz-Abschnitts-Kommando
Corps or Divisional echelon of the Border Guards

Grenzswacht-Abschnitt
Regimental echelon of the Border Guards

1. Welle Infantry Division



Units of the 1. Welle Infantry Divisions

Inf. Div.	Inf. Rgt.	Inf. Rgt.	Inf. Rgt.	Art. Rgt.	Hvy. Art.Bn.	Art.Obs. Bn.	Recon Bn.	Antitank Bn.	AA Co.	Engr Bn.	Signal Bn.	Service Units	Raised	Home WK	Commanded by
1.	1	22	43	1	I./37	1	1	1	1./37	1	1	1	15.10.35	I	Gen.Lt. Joachim von Kortzfleisch
3.	8	29	50	3	I./39	3	3	3	5./48	3	3	3	15.10.35	III	Gen.Lt. Walter Lichel
4.	10	52	103	4	I./40	4	4	4	4./47	13	4	4	10.10.35	IV	Gen.Lt. Eric Hnasen
5.	14	56	75	5	I./41	5	5	5	1./55	5	5	5	15.10.35	V	Gen.Lt. Wilhelm Fahrmbacher
6.	18	37	58	6	I./42	6	6	6	1./46	6	6	6	15.10.35	VI	Gen.Lt. Arnold Frhr. von Biegeleben
7.	19	61	62	7	I./43	7	7	7	4./55	7	7	7	15.10.35	VII	Gen.Maj. Eugen Ott
8.	28	38	84	8	I./44	28	8	8	1./48	8	8	8	15.10.35	VIII	Gen.Lt. Rudolf Koch-Erpach
9.	36	57	116	9	I./45	9	9	9	4./59	9	9	9	15.10.35	IX	Gen.Lt. Georg von Apell
10.	20	41	85	10	I./46	10	10	10	1./47	10	10	10	15.10.35	XIII	Gen.Lt. Conrad von Chhenhausen
11.	2	23	44	11	I./47	11	11	11	2./31	11	11	11	15.10.35	I	Gen.Lt. Max Bock
12.	27	48	89	12	I./48	12	12	12	5./52	12	12	12	15.10.35	II	Gen.Lt. Ludwig von der Leyen
14.	11	53	101	14	I./50	14	14	14	5./47	14	14	14	15.10.35	IV	Gen.Lt. Peter Weyer
15.	81	88	106	51 [1]	I./51	15	15	15	5./59	15	15	15	15.10.35	IX	Gen.Lt. Walter Behschnitt
16.	60	64	79	16	I./52	16	16	16	4./46	16	16	16	15.10.35	VI	Gen.Maj. Gotthard Heinrici
17.	21	55	95	17	I./53	17	17	17	2./47	17	17	17	15.10.35	XIII	Gen.Lt. Herbert Loch
18.	30	51	54	18	I./54	18	18	18	2./48	18	18	18	25.10.35	VIII	Gen.Lt. Friedrich-Karl Cranz
19.	59	73	74	19	I./55	19	19	19	5./46	19	19	19	15.10.35	XI	Gen.Lt. Günther Schwantes
21.	3	24	45	21	I./57	21	21	21	3./31	21	21	21	10.10.35	I	Gen.Lt. Kuno-Hans von Both
22.	16	47	65	22	I./58	22	22	22	2./52	22	22	22	15.10.35	X	Gen.Maj. Hans Graf von Sponeck
23.	9	67	68	23	I./59	23	23	23	6./48	23	23	23	15.10.35	III	Gen.Lt. Walter Graf von Brockdorff-Ahlefeldt
24.	31	32	102	24	I./60	24	24	24	6./47	24	24	24	15.10.35	IV	Gen.Lt. Friedrich Olbricht
25.	13	35	119	25	I./61	25	25	25	2./55	25	25	25	01.04.36	V	Gen.Lt. Christian Hansen
26.	39	77	78	26	I./62	26	26	26	2./46	26	26	26	01.04.36	VI	Gen.Lt. Sigismund von Förster
27.	40	63	91	27	I./63	27	27	27	5./55	27	27	27	01.10.36	VII	Gen.Lt. Friedrich Bergmann
28.	7	49	83	28	I./64	8	28	28	3./48	28	28	28	01.10.36	VIII	Gen.Lt. Hans von Obstfelder
30.	6	26	46	30	I./66	30	30	30	3./52	30	30	30	01.10.36	X	Gen.der Inf. Kurt von Briesen
31.	12	17	82	31	I./67	31	31	31	6./46	31	31	31	01.10.36	XI	Gen.Lt. Rudolf Kaempfe
32.	4	94	96	32	I./68	32	32	32	6./52	2	32	32	01.10.36	II	Gen.Lt. Franz Boehme
33.	104	110	115	33	I./69	33	33	33	1./66	33	33	33	01.04.36	XII	Gen.Lt. Hermann Ritter von Speck
34.	80	253	107	34	I./70	34	34	34	2./66	34	34	34	01.04.36	XII	Gen.Lt. Hans Behlendorf
35.	34	109	111	35	I./71	35	35	35	3./55	35	35	35	01.10.36	V	Gen.Lt. Hans-Wolfgang Reinhard
36.	70	87	118	36	I./72	36	36	36	3./66	36	36	36	01.10.36	XII	Gen.Lt. Georg Lindemann
44.	131	132	134	96	IV./96	44	44	46	–	80	64	44	01.04.38	XVII	Gen.Lt. Albrecht Schubert
45.	130	133	135	98	I./99	–	45	45	–	81	65	45	01.04.38	XVII	Gen.Lt. Friedrich Materna
46.	42	72	97	115 [2]	I./115	–	46	52	–	88	76	46	24.11.38	XIII	Gen.Lt. Paul von Hase

Gen.Maj. = Generalmajor (US Army equivalent is Brigadier General)
Gen.Lt. = Generalleutnant (US Army equivalent is Major General)
Gen.der Inf. = General der Infanterie (US Army equivalent is Lieutenant General)

NOTES:
1) Headquarters Art.Rgt. 51, with light artillery battalions I./15; II./15; III./15 and the I./51 as the heavy artillery battalion.
2) Headquarters Art.Rgt. 115, with light artillery battalions I./114; II./114; III./114 and the I./115 as the heavy artillery battalion.

Authorized Establishment of the 1st Welle Infantry Divisions in accordance with the 39/40 Mobilization Plan

	Inf.Div. 1. Welle	4. Inf.Div.	5. & 6. Inf.Div.	10. & 27. Inf.Div.	15. Inf.Div.	44. Inf.Div.	45. Inf.Div.	46. Inf.Div.	1. Inf.Div.	11. & 21. Inf.Div.
Personnel										
Officers	534	541	541	534	533	528	498	508	577	534
Officials (Beamten)	102	102	102	102	102	99	97	100	101	102
Non-Commissioned Officers	2,701	2,732	2,732	2,701	2,701	2,651	2,567	2,619	2,889	2,705
Enlisted Men	14,397	14,618	14,606	14,409	14,394	14,131	13,657	13,942	15,971	14,534
Total Personnel	**17,734**	**17,993**	**17,981**	**17,746**	**17,730**	**17,409**	**16,819**	**17,169**	**19,538**	**17,875**
Animals										
Heavy Draught Horses	999	999	999	999	999	921	921	999	1.027	999
Light Draught Horses	2,100	2,100	2,100	2,100	2,100	2,270	2,270	2,068	3,830	2,438
Riding Horses	1,743	1,743	1,743	1,743	1,706	1,631	1,631	1,706	2,027	1,789
Total Animals	**4,842**	**4,842**	**4,842**	**4,842**	**4,773**	**4,822**	**4,822**	**4,773**	**6,884**	**5,226**
Non-Motorized Vehicles										
Horse-Drawn Wagons and Carts	919	919	919	919	919	1,095	1.095	910	1,669	1,134
Vehicles (misc.)	31	32	32	31	31	45	41	28	28	30
Motor-Towed Trailers (multi-axle)	7	10	10	7	7	7	7	7	5	7
Motor-Towed Trailers (single-axle)	60	64	64	60	60	63	63	72	63	60
Total Non-Motorized Vehicles	**1,017**	**1,025**	**1,025**	**1,017**	**1,017**	**1,210**	**1,206**	**1,017**	**1,765**	**1,231**
Motor Vehicles										
Personnel Carriers	394	411	411	394	394	404	328	354	400	301
Load Cariers & Prime Movers	615	648	648	615	615	535	479	554	408	488
Armored Vehicles	3	3	3	3	3	–	–	3	3	3
Solo Motorcycles	326	337	337	326	326	322	302	306	320	296
Motorcycles with Sidecars	201	203	203	201	201	185	179	202	178	197
Total Motor Vehicles	**1,539**	**1,602**	**1,602**	**1,539**	**1,539**	**1,446**	**1,288**	**1,419**	**1,309**	**1,285**
Weapons										
Pistols	4,481	4,516	4,516	4,481	4,476	4,352	4,264	4,395	4,659	4,451
Rifles	12,609	12,833	12,821	12,621	12,612	12,421	11,919	12,130	14,225	12,770
Sub-Machine Guns	3	3	3	3	3	–	–	3	3	3
Light Machine Guns	378	378	378	378	378	370	364	372	378	378
Heavy Machine Guns	138	138	138	138	138	138	138	138	138	138
20mm Anti-Aircraft Guns	12	16	16	12	12	–	–	12	16	12
37mm Anti-Tank Guns	75	75	75	75	75	75	75	75	75	75
50mm Light Mortars	93	93	93	93	93	93	93	93	93	93
81mm Medium Mortars	54	54	54	54	54	54	54	54	54	54
75mm Light Infantry Guns	20	20	20	20	20	20	20	20	20	20
150mm Heavy Infantry Guns	6	6	6	6	6	6	6	6	6	6
105mm Light Field Howitzers	36	36	36	36	36	24	24	36	36	36
150mm Heavy Field Howitzers	12	12	12	12	12	12	12	12	12	12

NOTES:
Standard 1st Welle Infanterie-Division were: 3., 7., 8., 9., 12., 14., 16., 17., 18., 19., 22., 23., 24., 25., 26., 28., 30., 31., 32., 33., 34., 35., 36.

Deviating from the norm were:

The 4. Infanterie-Division (Reich):
some variations in personnel numbers in the antitank battalion;
the artillery observation battalion had a balloon battery.

The 5. and 6. Infanterie-Division (Reich):
the artillery observation battalion had a balloon battery.

The 10. and 27. Infanterie-Division (Reich):
some variations in personnel numbers in the antitank battalion;

The 15. Infanterie-Division (Reich):
some variations in personnel numbers in the light artillery battalions.

The former Austrian Army 44. Infanterie-Division (Reich):
only 2 light artillery battalions;
no antiaircraft company in antitank battalion;
light artillery battalions had one 32-ton horse-drawn transport column each;
no recon battalion headquarters – just one cavalry company;
bridge column Type B instead of Type C;
3 motorized and 5 horse-drawn (30-ton) transport columns.

The former Austrian Army 45. Infanterie-Division (Reich):
only 2 light artillery battalions;
no antiaircraft company in antitank battalion;
no artillery observation battalion;
no recon battalion headquarters – just one cavalry company;
bridge column Type B instead of Type C;
3 motorized and 5 horse-drawn (30-ton) transport columns.

The 46. Infanterie-Division (Reich):
no antiaircraft company in antitank battalion;
no artillery observation battalion.

In East Prussia the 1. Infanterie-Division (Ostpreußen):
infantry, artillery, and engineer company trains mainly horse-drawn;
light artillery battalions had one 32-ton horse-drawn transport column each;
all light field howitzers were le.FH Model 16, not le.FH Model 18.
heavy artillery battalion had three 18-ton horse-drawn transport columns;
all heavy field howitzers were s.FH Model 13, not le.FH Model 18.
the artillery observation battalion had a balloon battery;
1 motorized and 7 horse-drawn (30-ton) transport columns;
horse-drawn supply company;
workshop platoon instead of a company;
horse-drawn baker company;
horse-drawn field hospital;
only one motor ambulance platoon.

In East Prussia the 11. and 21. Infanterie-Divisions (Ostpreußen):
infantry, artillery, and engineer company trains mainly horse-drawn;
all light field howitzers were le.FH Model 16, not le.FH Model 18.
all heavy field howitzers were s.FH Model 13, not le.FH Model 18.
workshop platoon instead of a company;
horse-drawn field hospital;
only one motor ambulance platoon.

KOMMANDO EINES INFANTERIEDIVISIONS
Headquarters of an Infantry Division

DIVISIONSKOMMANDEUR – *DIVISION COMMANDER*
- Feldgendarmerietrupp – *Military Police Section* [1]

FUHRUNGSABTEILING – *COMMAND GROUP*

Ia Erster Generalstabsoffizier – *Chief of Operations*
- O1 Erster Ordonannzoffizier – *1st Assistant Adjutant*

Ic Dritter Generalstabsoffizier – *Chief Intelligence Officer*
- O3 Dritter Ordonnanzoffizier – *3rd Assistant Adjutant*
- Kradmeldezug – *Motorcycle Messenger Platoon* [1]
- Divisionskartenstelle – *Division Mapping Unit* [1]

Divisions-Artillerieführer – *Division Artillery Officer [Commanding Officer of the Artillery Regiment]*
Divisions-Pionierführer – *Division Pioneer Officer [Commanding Officer of the Engineer Battalion]*
Divisions-Nachrichtenführer – *Division Signal Officer [Commanding Officer of the Signal Battalion]*

QUARTERMEISTER – *QUARTERMASTER*

Ib Zweiter Generalstabsoffizier – *Quartermaster*
- O2 2. Ordonnanzoffizier – *2nd Assistant Adjutant*
- Ib/WuG Waffen- und Geräte-Offizier – *Arms and Equipment Officer*
- Ib/Kfz Kraftfahrzeugoffizier – *Division Motor Pool Officer*

IVa Divisionsintendant – *Division Adminsitrative Official*
- Divisionskasse – *Division Pay Office*
- Divisions-Verpflegungsamt – *Division Commissary Section*
- Bäkereikompanie – *Baker Company*
- Schlachteriekompanie – *Butcher Company*

IVb Divisionsarzt – *Division Surgeon*
- Sanitätskompanien – *Medical Companies*
- Feldlazarett – *Field Hospital*
- Krankenkraftwagenzüge – *Ambulance Platoons*
- All medical services and medical personnel of the division

IVc Divisionsveterinär – *Division Veterinarian*
- Veterinärkompanie – *Veterinary Company*
- All veterinary services and veterinary personnel of the division

V Divisionsingenieur – *Division Motor Officer*

Feldpostmeister – *Field Postmaster [Postmaster of the Field Post Detachment]*
- Feldpostamt – *Field Post Detachment* [1]

DiNaFü Divisionsnachschubführer – *Chief of Division Supply [Commanding Officer of the Supply Battalion]* [2]
- Nachschubabteilung – *Supply Battalion* [2]
- All ration trains of the division
- All combat trains of the division

ADJUTANTUR – *ADJUTANT'S OFFICE*

IIa Divisionsadjutant – *Division Adjutant*
III Divisionsgericht – *Division Judge Advocate*
IVd Divisionspfarrer – *Division Chaplains*
St.Qu. Kommandant des Stabsquartiers – *Headquarters Commandant*
- Zahlmeister – *Staff Paymaster*
- Verpflegungstross – *Ration Trains*
- Kraftfahrzeugstaffel – *Motor Pool*
  - Kraftwagengruppe – *Motor Vehicle Section*
  - Kraftfahrzeuginstandsetzungtrupp – *Motor Maintanance Section*
- Infanterie-Stabswache – *Headquarters Guard*

NOTES:

[1] The "independent" Military Police Section, Motorcycle Messenger Platoon, Division Mapping Unit, and Field Post Detachment, (although each having its own KStN – see next page), were fully integrated into the division headquarters at all times, and attached to the **St.Qu.** for administration, mess, and supply.

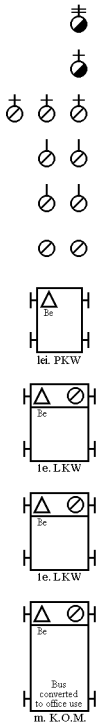
[2] In practice, the staff of the Supply Battalion operated within the division headquarters as the personal staff for the **DiNaFü** as well as the command echelon for the battalion itself.

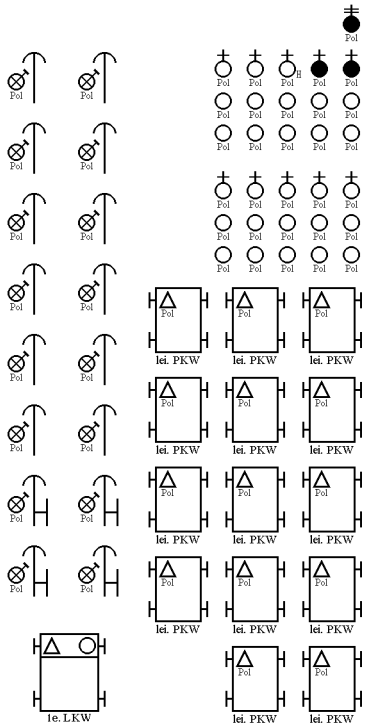
Division Headquarters Strength:
(including, Military Police Section, Motorcycle Messenger Platoon, Division Mapping Unit, and Field Post Detachment)**:**

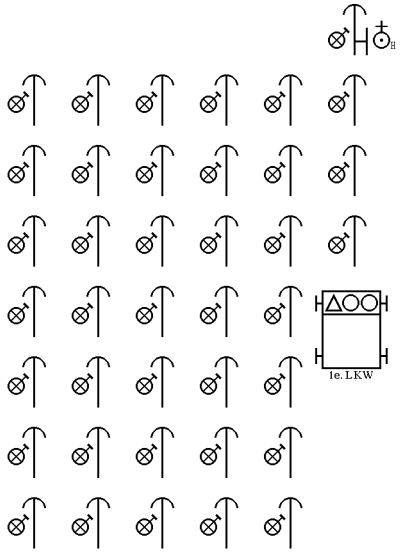
19	Officers
31	Beamten (including 18 in the Field Post Detachment)
63	Non-Commissioned Officers (including 35 in the Military Police Section)
145	Enlisted Men
6	riding horses
18	personnel carriers
17	load carriers
48	motorcycles
3	motorcycles with side car
2	heavy machine guns

STABSEINHEITEN, INFANTERIEDIVISION (Division 1. Welle)
Headquarters Units, Infantry Division (1st Welle Division)

KStN 2251 – 1.04.35	KStN 2033 *) – 1.10.38	KStN 1067 *) – 1.10.38	KStN 2076 *) – 1.10.38
Field Post Office	Military Police Detachment	Motorcycle Messenger Platoon	Divisional Mapping Unit



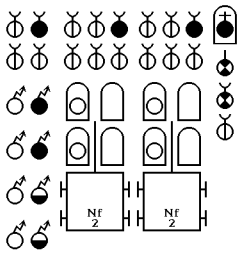




STAB & STABSEINHEITEN, INFANTERIEREGIMENT (Division 1. Welle, Reich)
Headquarters and Headquarters Units, Infantry Regiment (1st Welle Division, Reich)

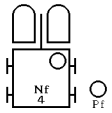
KStN 221 – 1.11.37

Signal Platoon



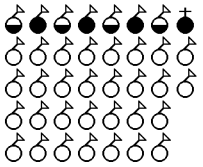
2 medium Telephone Sections a
1 light Telephone Section a
4 Pack Radio Sections d

Platoon Trains

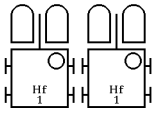


KStN 298 *) – 1.11.38

Band



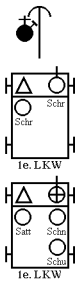
Band Trains



KStN 101(R) – 1.11.37

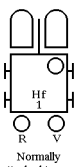
Regimental Headquarters

Baggage Trains



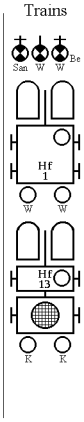
Also provides transport for the Regimental Infantry Gun Company

Provisions Trains

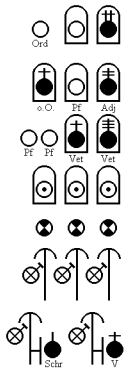


Normally attached to one of the Battalion Provisions Trains

Combat Trains

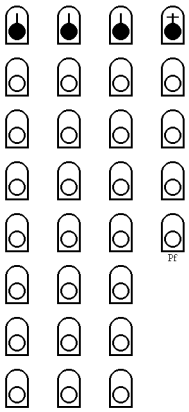


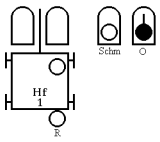
Headquarters



INFANTERIE-REITERZUG (Division 1. Welle, Reich)
Infantry Horse Platoon (1st Welle Division, Reich)

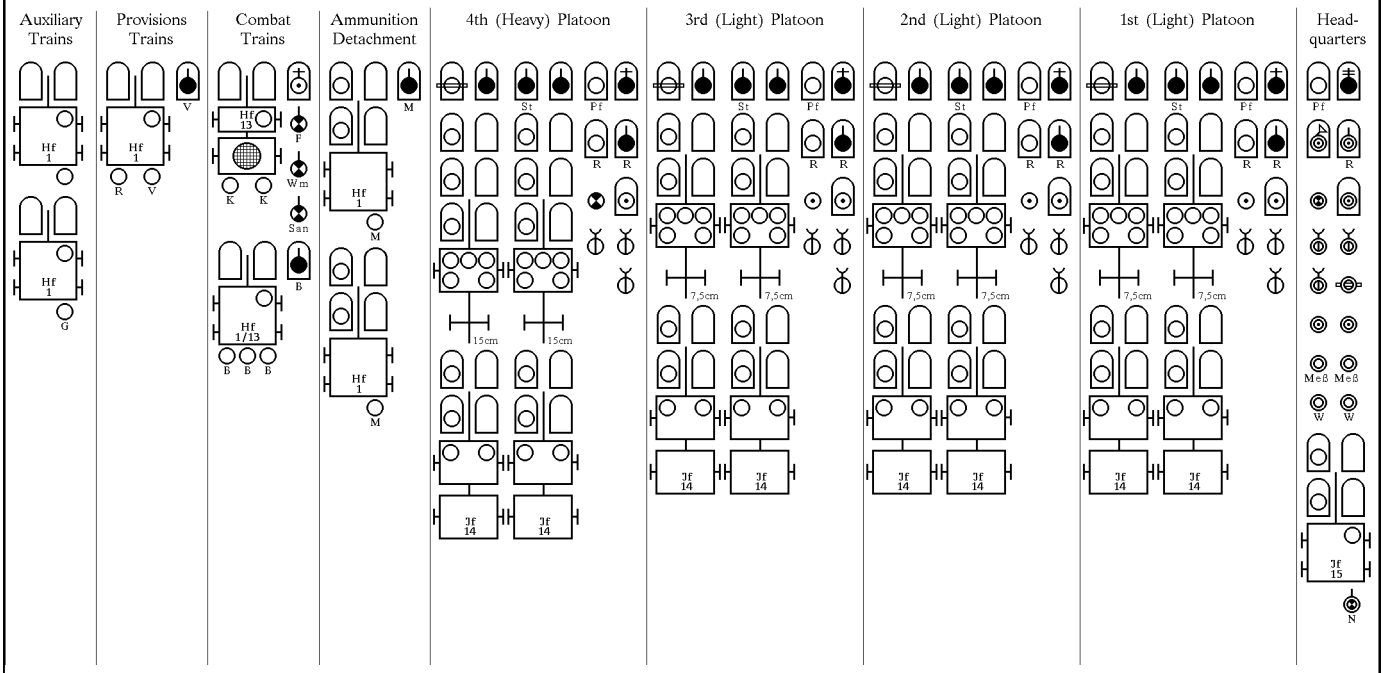
KStN 181 – 1.10.1937





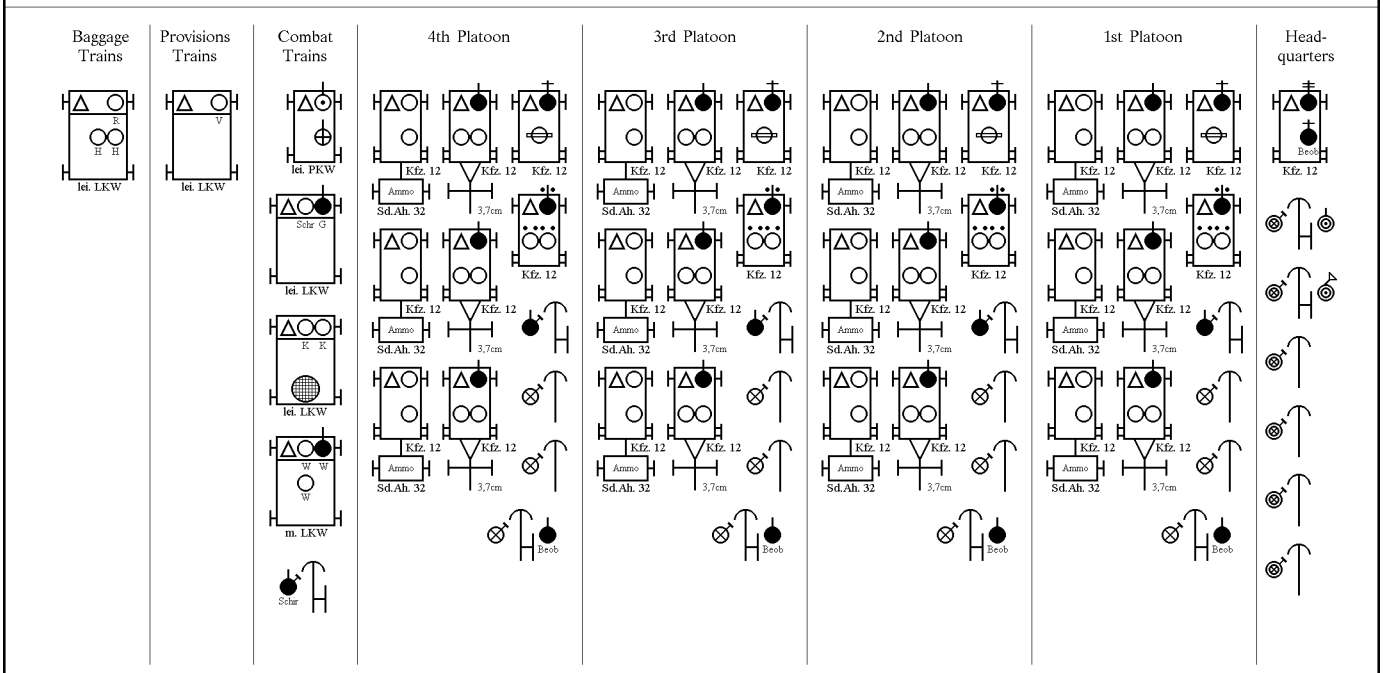
INFANTERIEGESCHÜTZKOMPANIE (Division 1. Welle, Reich)
Infantry Gun Company (1st Welle Division, Reich)

KStN 171 – 1.10.1937



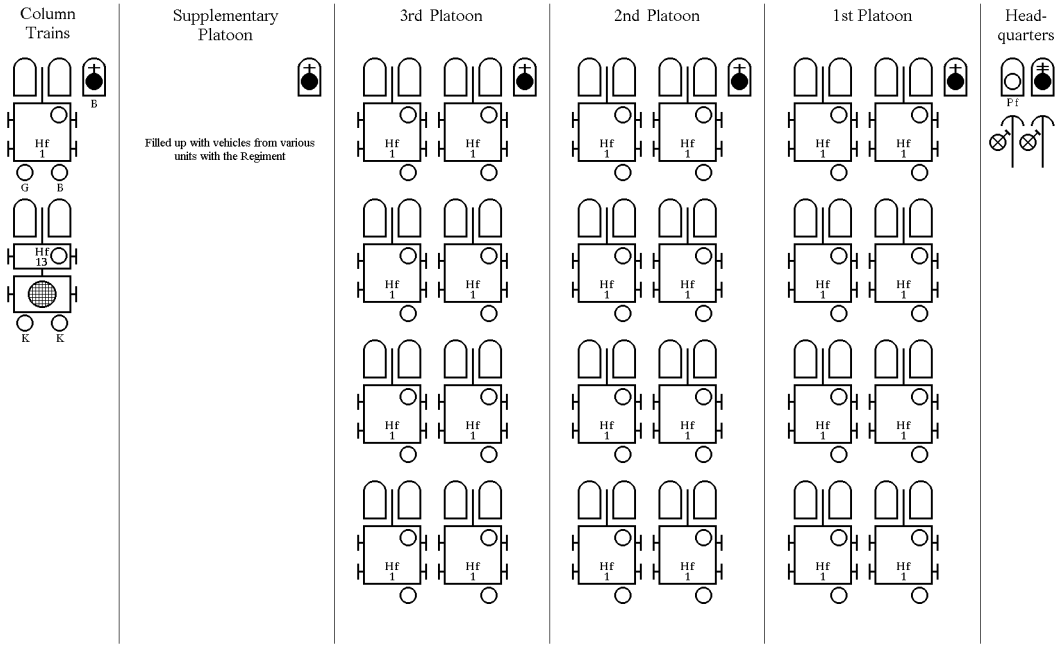
INFANTERIEPANZERABWEHRKOMPANIE (motorisierter Zug) (Division 1. Welle, Reich)
Motor Towed Infantry Antitank Company (1st Welle Division, Reich)

KStN 184 – 1.10.1937



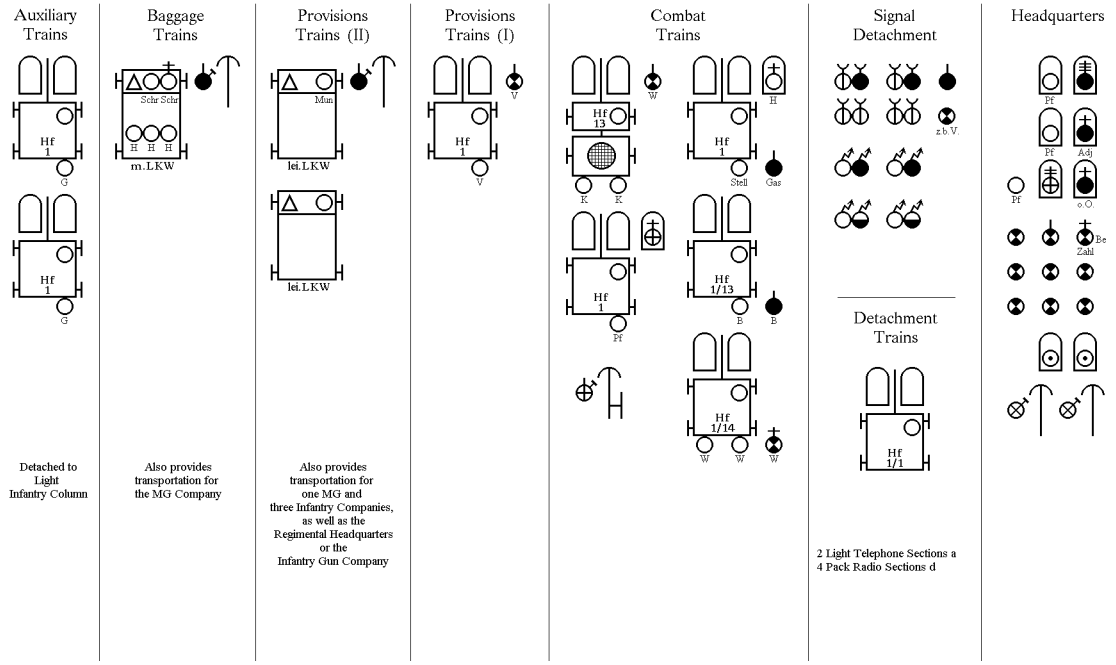
LEICHTE INFANTERIEKOLONNE (Division 1. Welle, Reich)
Light Infantry Column (1st Welle Division, Reich)

KStN 201 – 1.10.1937



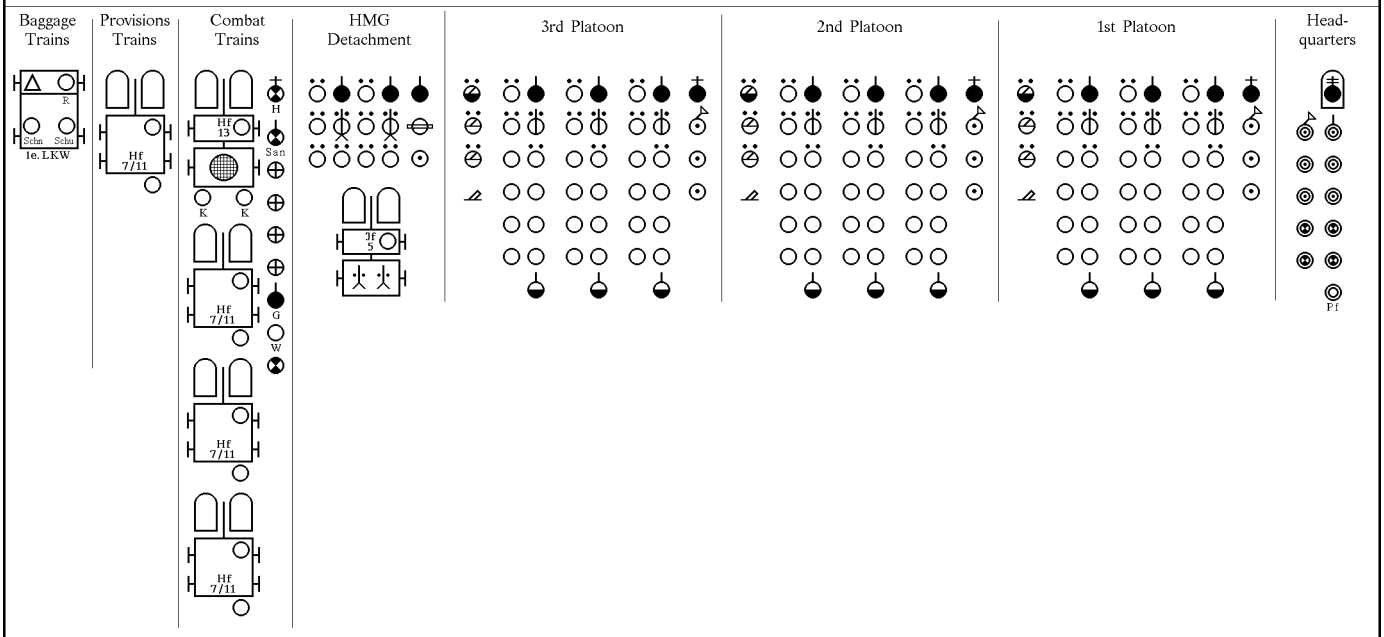
STAB EINES INFANTERIEBATAILLONS (Division 1. Welle, Reich)
Headquarters, Infantry Battalion (1st Welle Division, Reich)

KStN 111 (R) – 1.10.1937



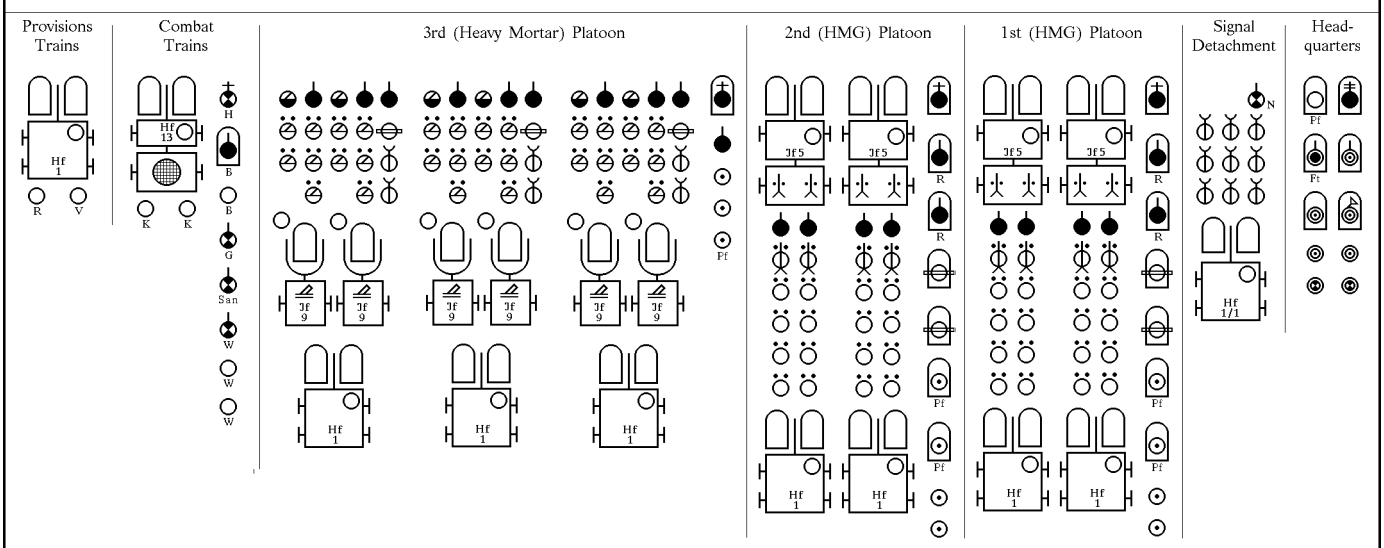
SCHÜTZENKOMPANIE b (Division 1. Welle, Reich)
Rifle Company Type b (1st Welle Division, Reich)

KStN 131b (R) – 1.10.1937



MASCHINENGEWEHRKOMPANIE b (Division 1. Welle, Reich)
Machine Gun Company Type b (1st Welle Division, Reich)

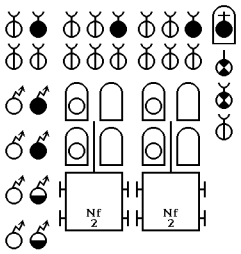
KStN 151b – 1.10.1937



STAB & STABSEINHEITEN, INFANTERIEREGIMENT (Division 1. Welle, Ostpreussen)
Headquarters and Headquarters Units, Infantry Regiment (1st Welle Division, East Prussia)

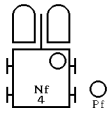
KStN 221 – 1.11.37

Signal Platoon



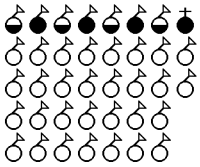
2 medium Telephone Sections a
1 light Telephone Section a
4 Pack Radio Sections d

Platoon Trains

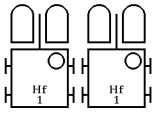


KStN 298 *) – 1.11.38

Band



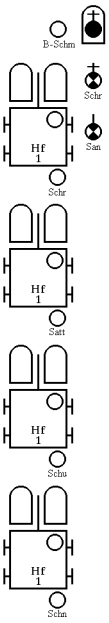
Band Trains



KStN 101(O) – 1.11.37

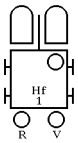
Regimental Headquarters

Baggage Trains



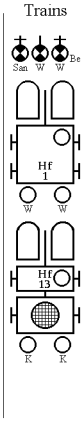
Also provides transport for the Regimental Infantry Gun Company

Provisions Trains

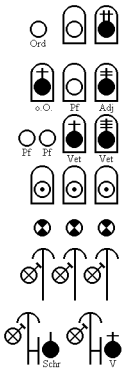


Normally attached to one of the Battalion Provisions Trains

Combat Trains

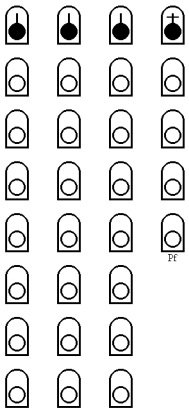


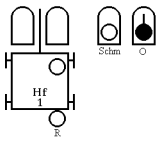
Headquarters



INFANTERIE-REITERZUG (Division 1. Welle, Reich)
Infantry Horse Platoon (1st Welle Division, Reich)

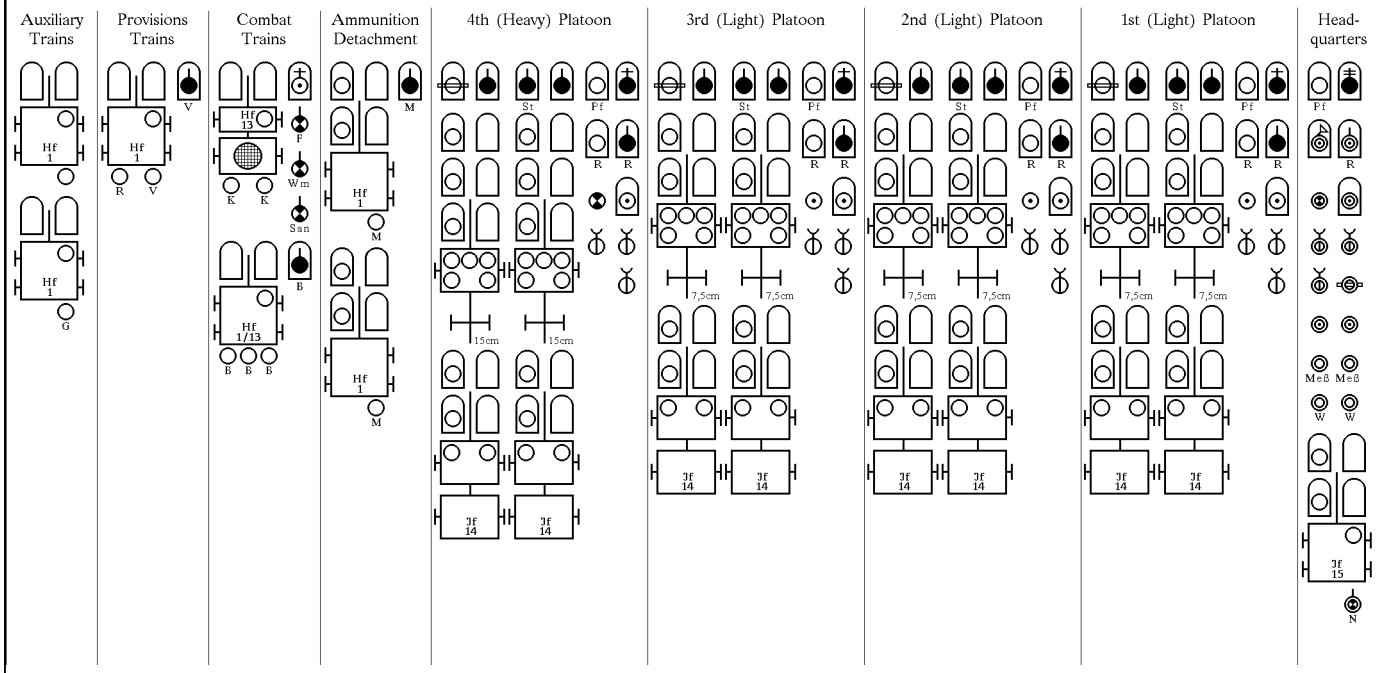
KStN 181 – 1.10.1937





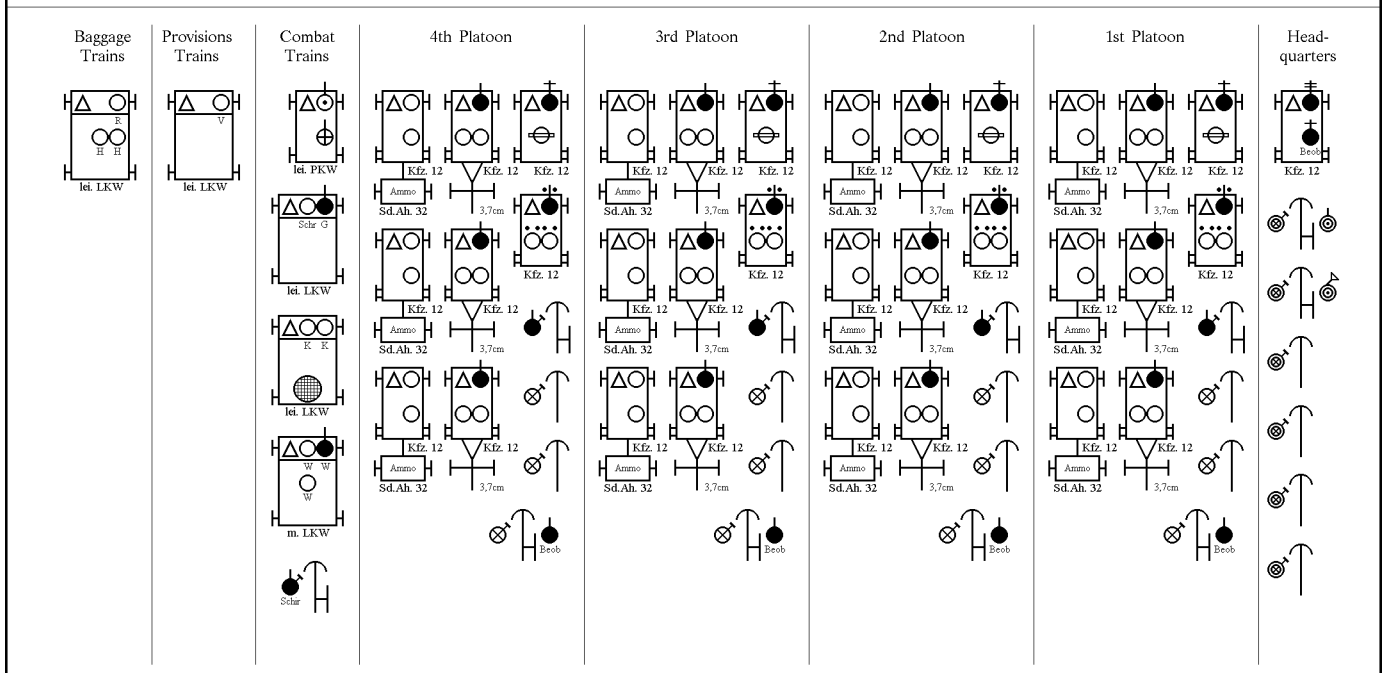
INFANTERIEGESCHÜTZKOMPANIE (Division 1. Welle, Ostpreussen)
Infantry Gun Company (1st Welle Division, East Prussia)

KStN 171 – 1.10.1937



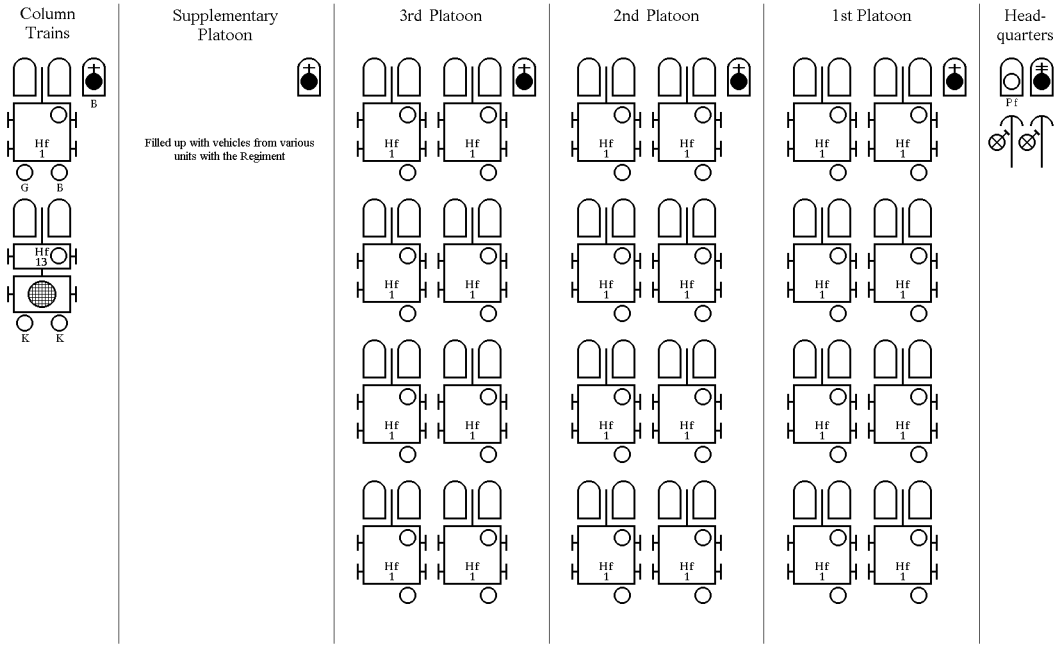
INFANTERIEPANZERABWEHRKOMPANIE (motorisierter Zug) (Division 1. Welle, Ostpreussen)
Motor Towed Infantry Antitank Company (1st Welle Division, East Prussia)

KStN 184 – 1.10.1937



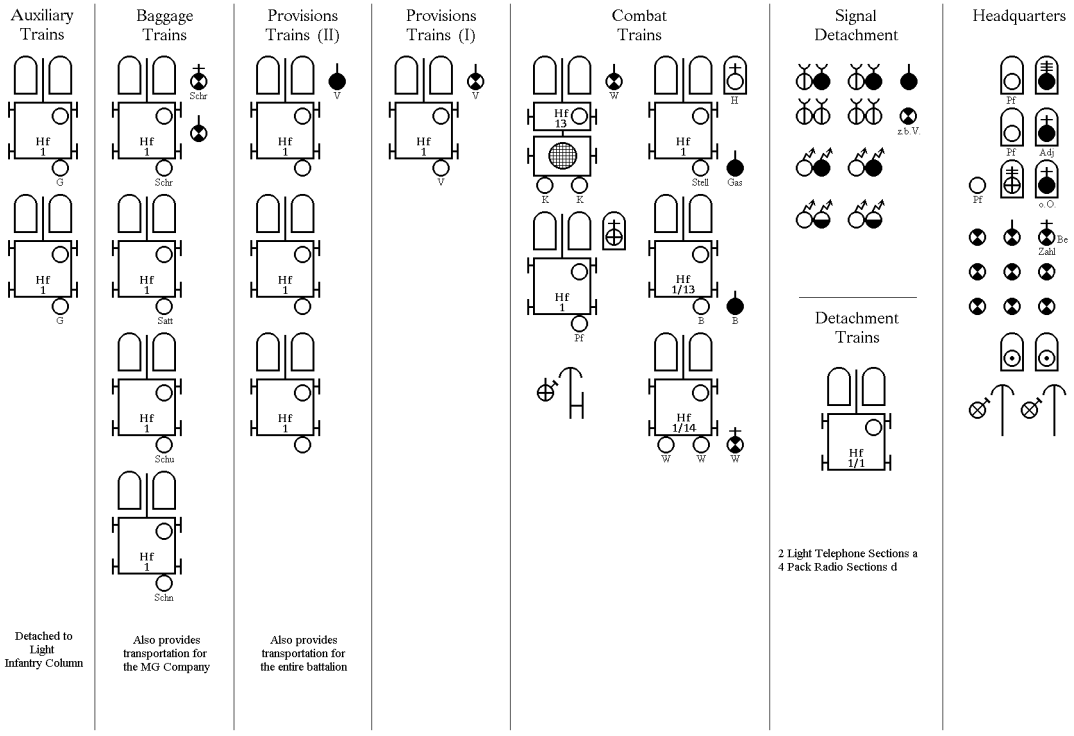
LEICHTE INFANTERIEKOLONNE (Division 1. Welle, Ostpreussen)
Light Infantry Column (1st Welle Division, East Prussia)

KStN 201 – 1.10.1937



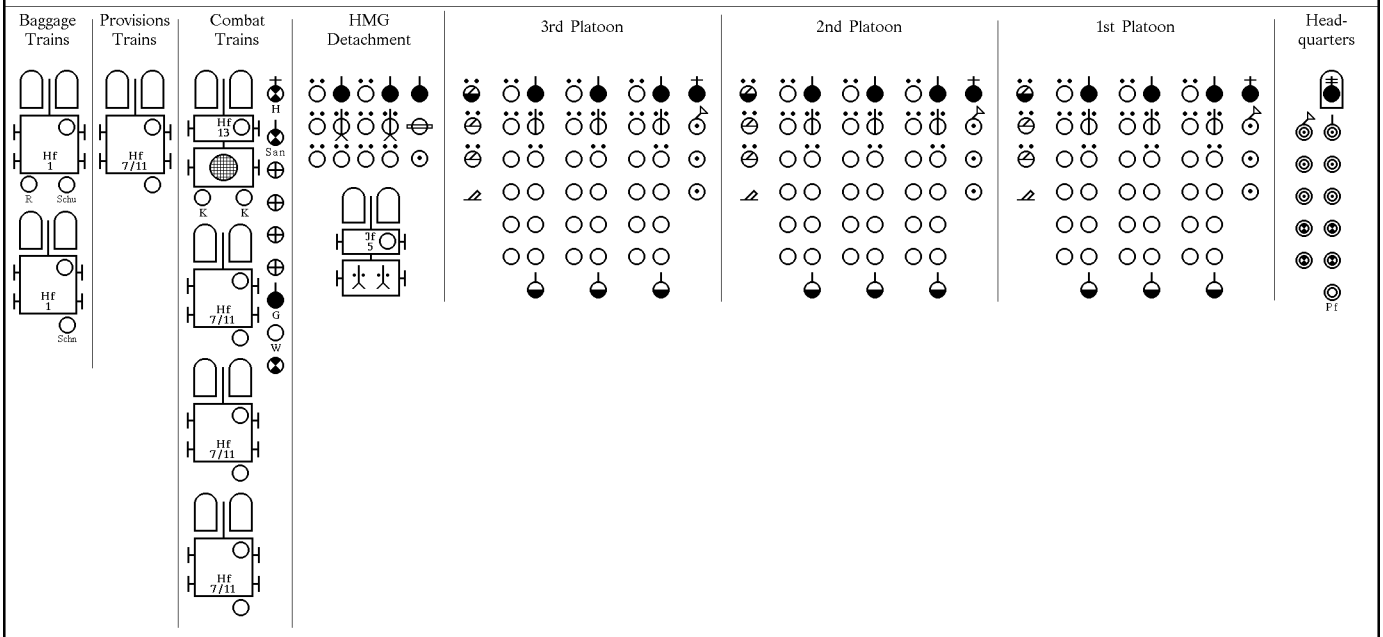
STAB EINES INFANTERIEBATAILLONS (Division 1. Welle, Ostpreussen)
Headquarters, Infantry Battalion (1st Welle Division, East Prussia)

KStN 111 (O) – 1.10.1937



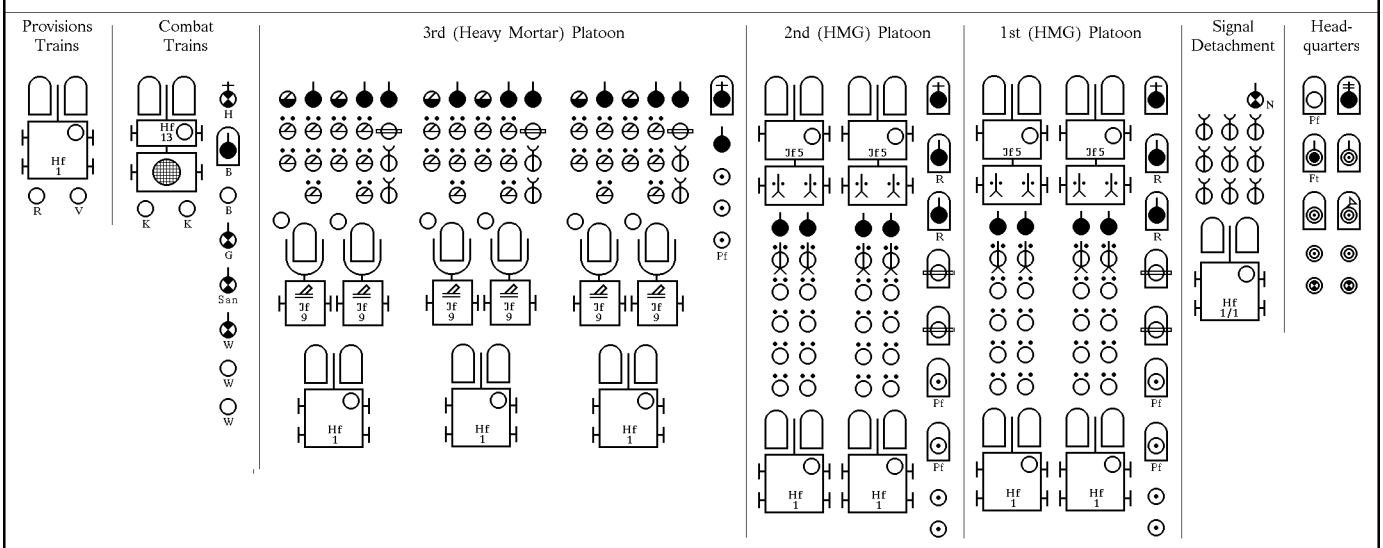
SCHUTZENKOMPANIE b (Division 1. Welle, Ostpreussen)
Rifle Company Type b (1st Welle Division, East Prussia)

KStN 131b (O) – 1.10.1937



MASCHINENGEWEHRKOMPANIE b (Division 1. Welle, Ostpreussen)
Machine Gun Company Type b (1st Welle Division, East Prussia)

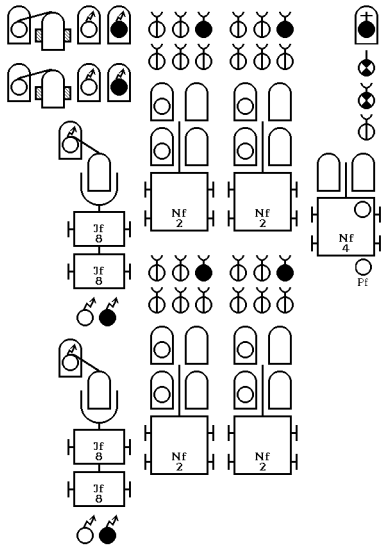
KStN 151b – 1.10.1937



STAB & STABSEINHEITEN, ARTILLERIEREGIMENT (Division 1. Welle, Reich)
Headquarters and Headquarters Units, Artillery Regiment (1st Welle Division, Reich)

KStN 551 *) – 1.11.37

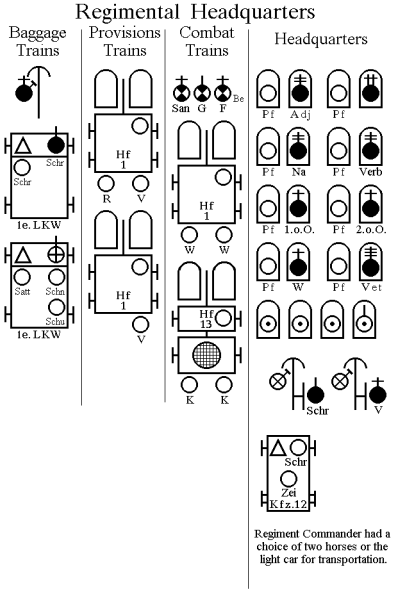
Signal Platoon



4 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
2 Pack Radio Sections f

KStN 401*) – 1.11.37

Regimental Headquarters

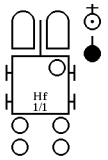


Regiment Commander had a choice of two horses or the light car for transportation.

LEICHTE ARTILLERIE-ABTEILUNG (bespannt) (Division 1. Welle, Reich)
Light Artillery Battalion (horse-drawn) (1st Welle Division, Reich)

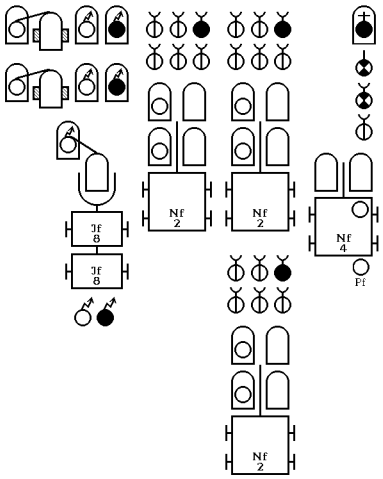
KStN 528 *) – 1.05.33

Calibration Section



KStN 553 *) – 1.10.37

Signal Platoon

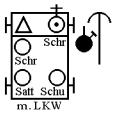


3 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
1 Pack Radio Section f

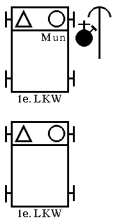
KStN 403 (R) – 1.10.37

Battalion Headquarters

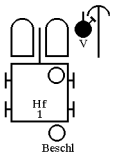
Baggage Trains



Provisions Trains (II)

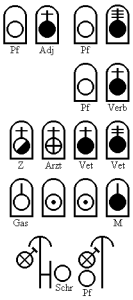


Provisions Trains (I)



Combat Trains

Headquarters



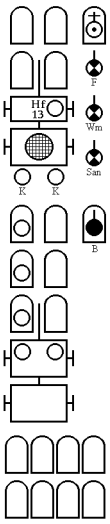
BATTERIE LEICHTE FELDHAUBITZEN (bespannt) (Division 1. Welle, Reich)
Light Field Howitzer Battery (horse-drawn) (1st Welle Division, Reich)

KStN 433 (R) *) – 1.10.1938

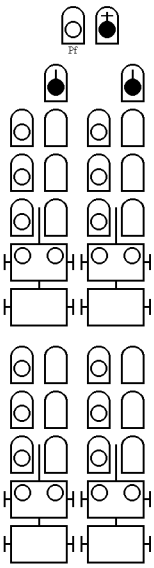
Baggage Trains

Provisions Trains

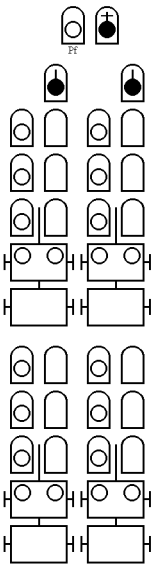
Combat Trains



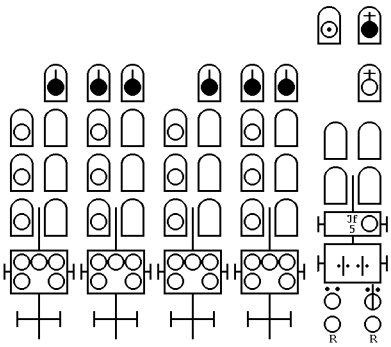
2nd Ammunition Detachment



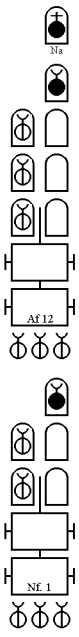
1st Ammunition Detachment



Firing Battery



Signal Detachment

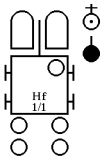


Head-quarters

SCHWERE ARTILLERIE-ABTEILUNG (bespannt) (Division 1. Welle, Reich)
Heavy Artillery Battalion (horse-drawn) (1st Welle Division, Reich)

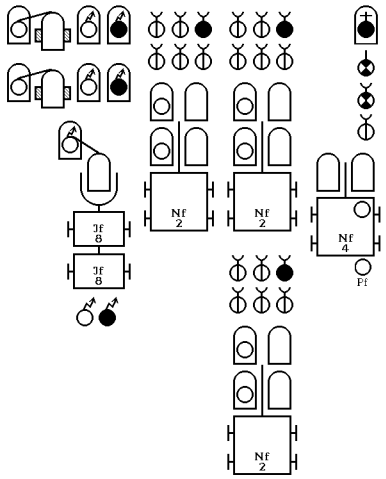
KStN 528 *) – 1.05.1933

Calibration Section



KStN 553 *) – 1.10.1937

Signal Platoon

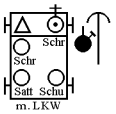


3 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
1 Pack Radio Section f

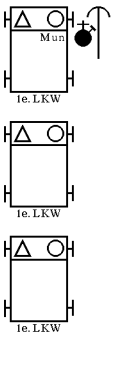
KStN 405 (R) *) – 1.10.1937

Battalion Headquarters

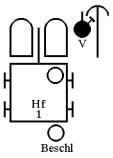
Baggage Trains



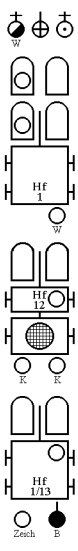
Provisions Trains (II)



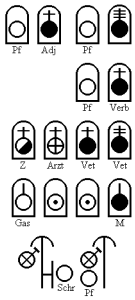
Provisions Trains (I)



Combat Trains



Headquarters



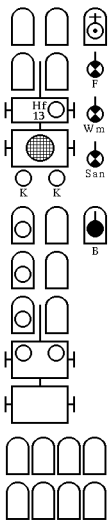
BATTERIE SCHWERE FELDHAUBITZEN (bespannt) (Division 1. Welle, Reich)
Heavy Field Howitzer Battery (horse-drawn) (1st Welle Division, Reich)

KStN 459 *) – 1.10.1938

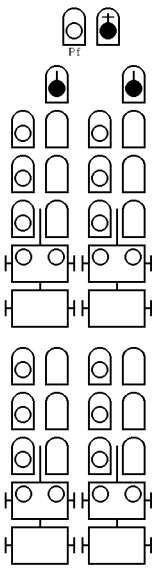
Baggage Trains

Provisions Trains

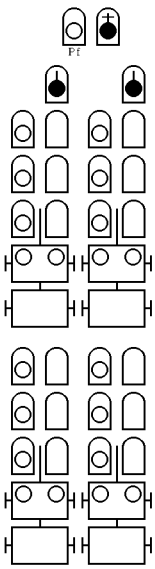
Combat Trains



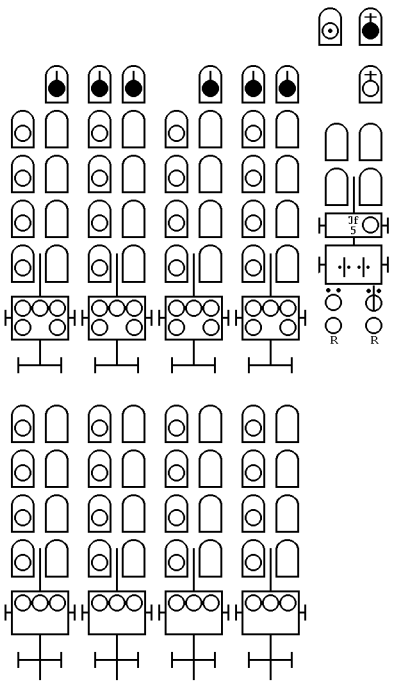
2nd Ammunition Detachment



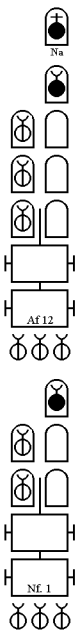
1st Ammunition Detachment



Firing Battery



Signal Detachment

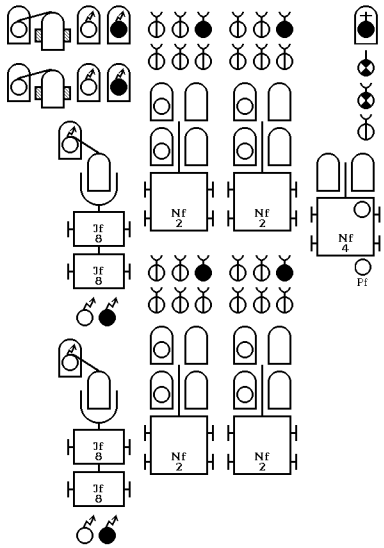


Head-quarters

STAB & STABSEINHEITEN, ARTILLERIEREGIMENT (Division 1. Welle, Ostpreußen)
Headquarters and Headquarters Units, Artillery Regiment (1st Welle Division, East Prussia)

KStN 551 *) – 1.11.37

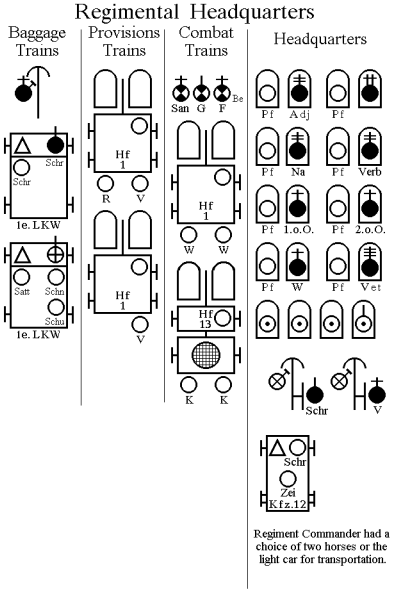
Signal Platoon



4 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
2 Pack Radio Sections f

KStN 401*) – 1.11.37

Regimental Headquarters

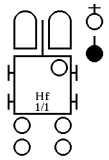


Regiment Commander had a choice of two horses or the light car for transportation.

LEICHTE ARTILLERIE-ABTEILUNG (bespannt) (Division 1. Welle, Ostpreußen)
Light Artillery Battalion (horse-drawn) (1st Welle Division, East Prussia)

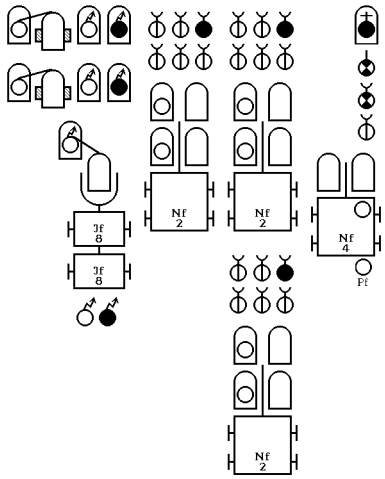
KStN 528 *) – 1.05.1933

Calibration Section



KStN 553 *) – 1.10.1937

Signal Platoon

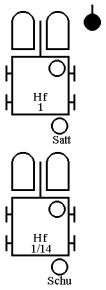


3 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
1 Pack Radio Section f

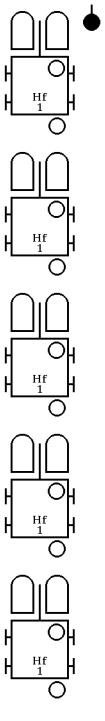
KStN 403 (O) – 1.10.1937

Battalion Headquarters

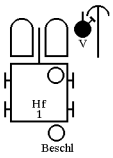
Baggage Trains



Provisions Trains (II)

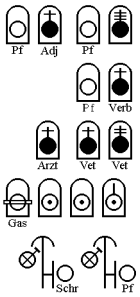


Provisions Trains (I)



Combat Trains

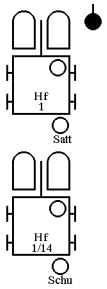
Headquarters



BATTERIE LEICHTE FELDHAUBITZEN (bespannt) (Division 1. Welle, Ostpreßsen)
Light Field Howitzer Battery (horse-drawn) (1st Welle Division, East Prussia)

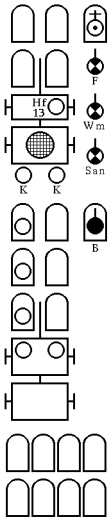
KStN 433 (O) *) – 1.10.1938

Baggage Trains

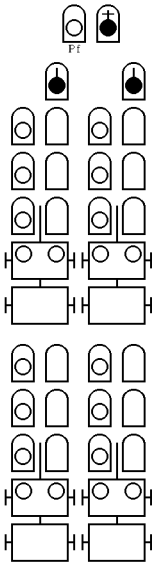


Provisions Trains

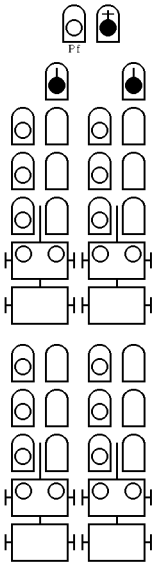
Combat Trains



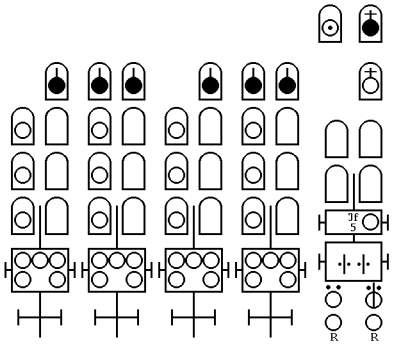
2nd Ammunition Detachment



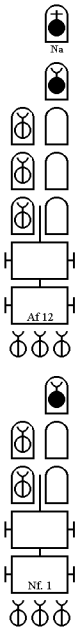
1st Ammunition Detachment



Firing Battery



Signal Detachment

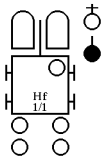


Head-quarters

SCHWERE ARTILLERIE-ABTEILUNG (bespannt) (Division 1. Welle, Ostpreußen)
Heavy Artillery Battalion (horse-drawn) (1st Welle Division, East Prussia)

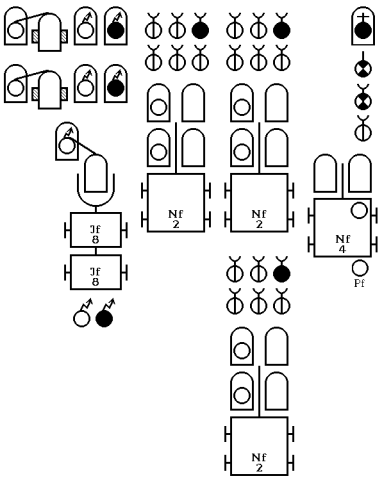
KStN 528 *) – 1.05.1933

Calibration Section



KStN 553 *) – 1.10.1937

Signal Platoon

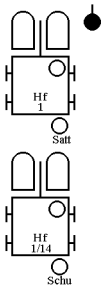


3 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
1 Pack Radio Section f

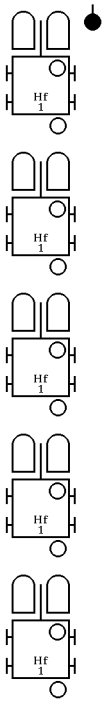
KStN 405 (O) *) – 1.10.1937

Battalion Headquarters

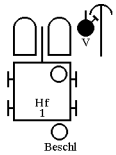
Baggage Trains



Provisions Trains (II)

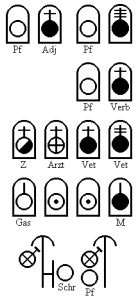


Provisions Trains (I)



Combat Trains

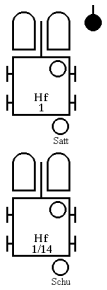
Headquarters



BATTERIE SCHWERE FELDHAUBITZEN (bespannt) (Division 1. Welle, Ostpreßsen)
Heavy Field Howitzer Battery (horse-drawn) (1st Welle Division, East Prussia)

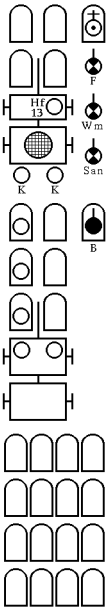
KStN 459 *) – 1.10.1938

Baggage Trains

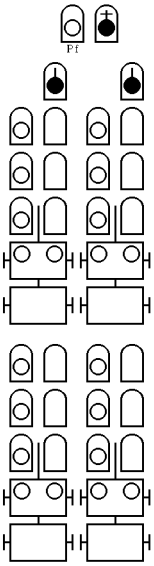


Provisions Trains

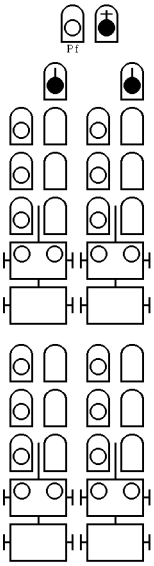
Combat Trains



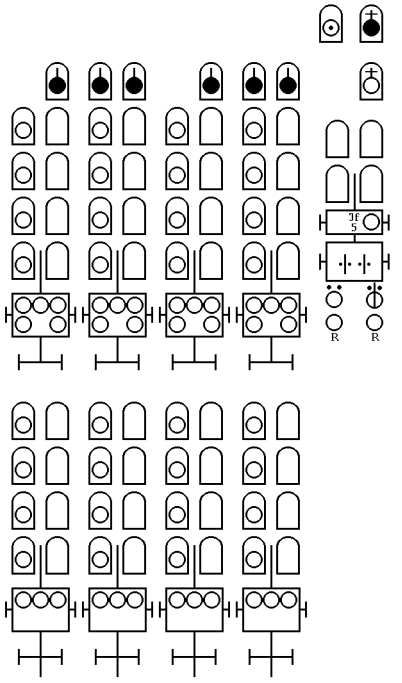
2nd Ammunition Detachment



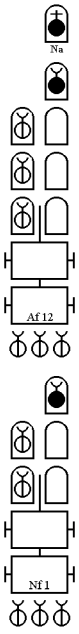
1st Ammunition Detachment



Firing Battery



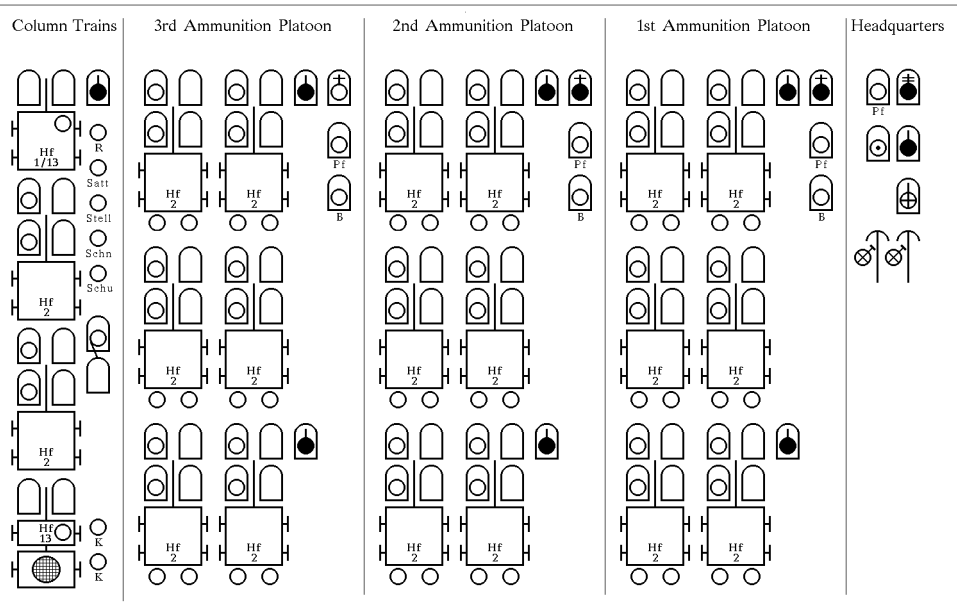
Signal Detachment



Head-quarters

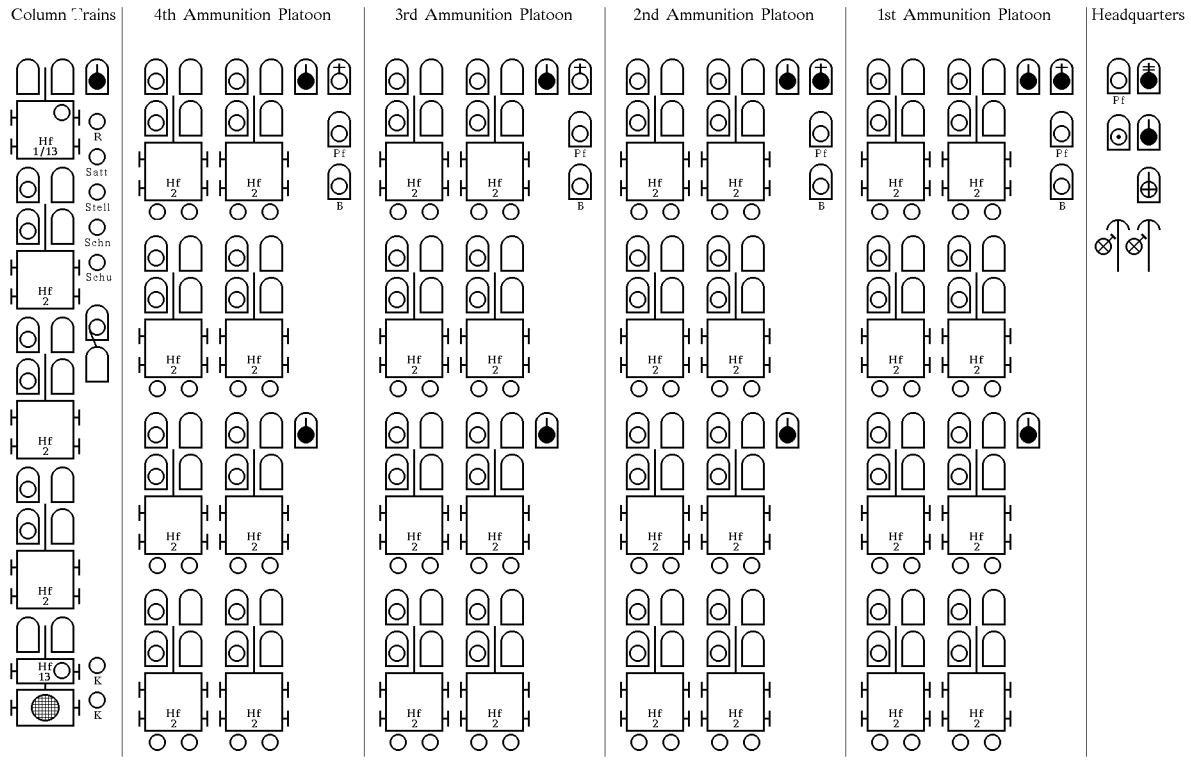
LEICHTEARTILLERIEKOLONNE (18t) (Division 1. Welle, Ostpreussen)
Light Artillery Column (18 tons) (1st Welle Division, East Prussia)

KStN 505 *) – 1.10.1937

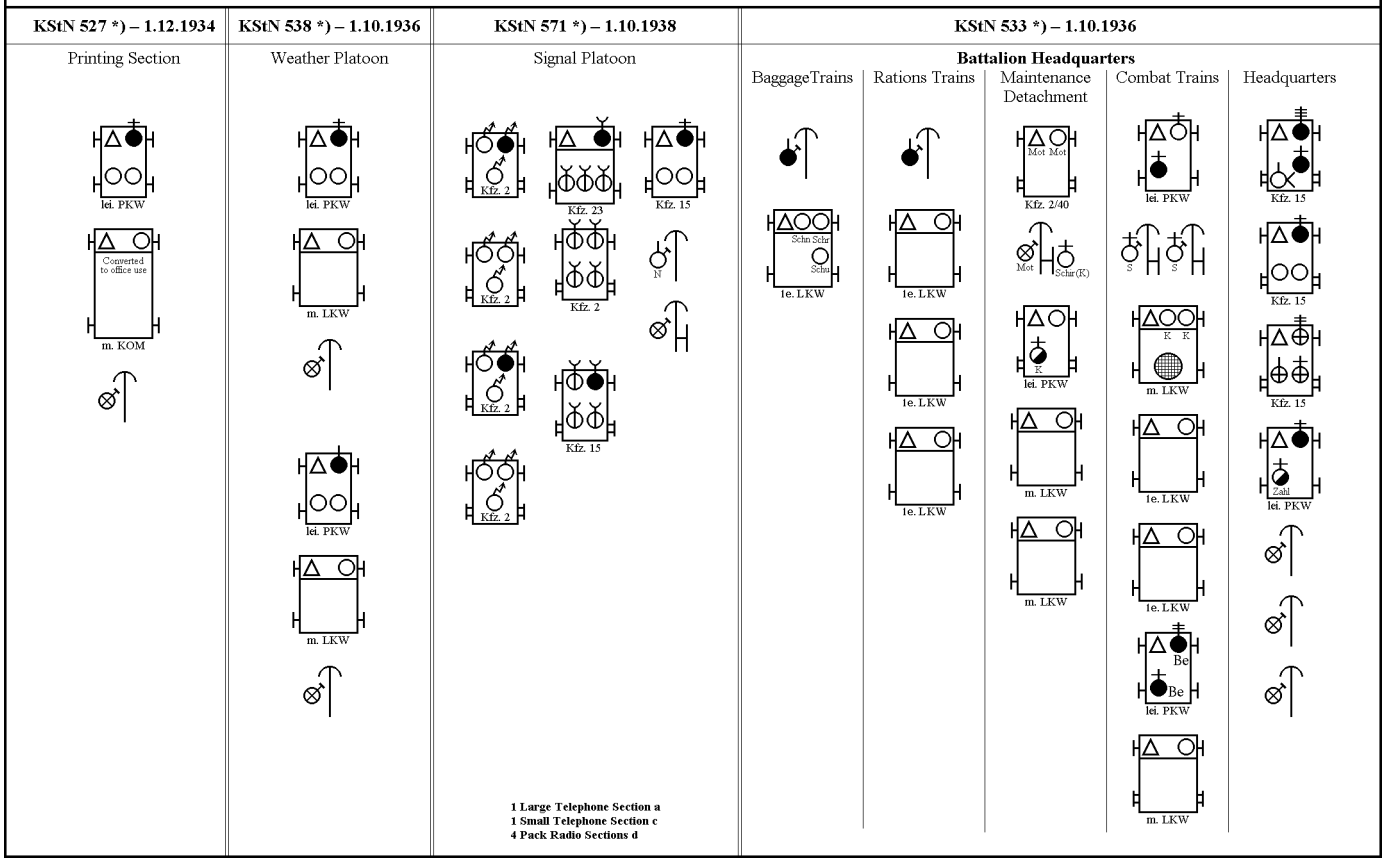


LEICHTEARTILLERIEKOLONNE (32t) (Division 1. Welle, Ostpreussen)
Light Artillery Column (32 tons) (1st Welle Division, East Prussia)

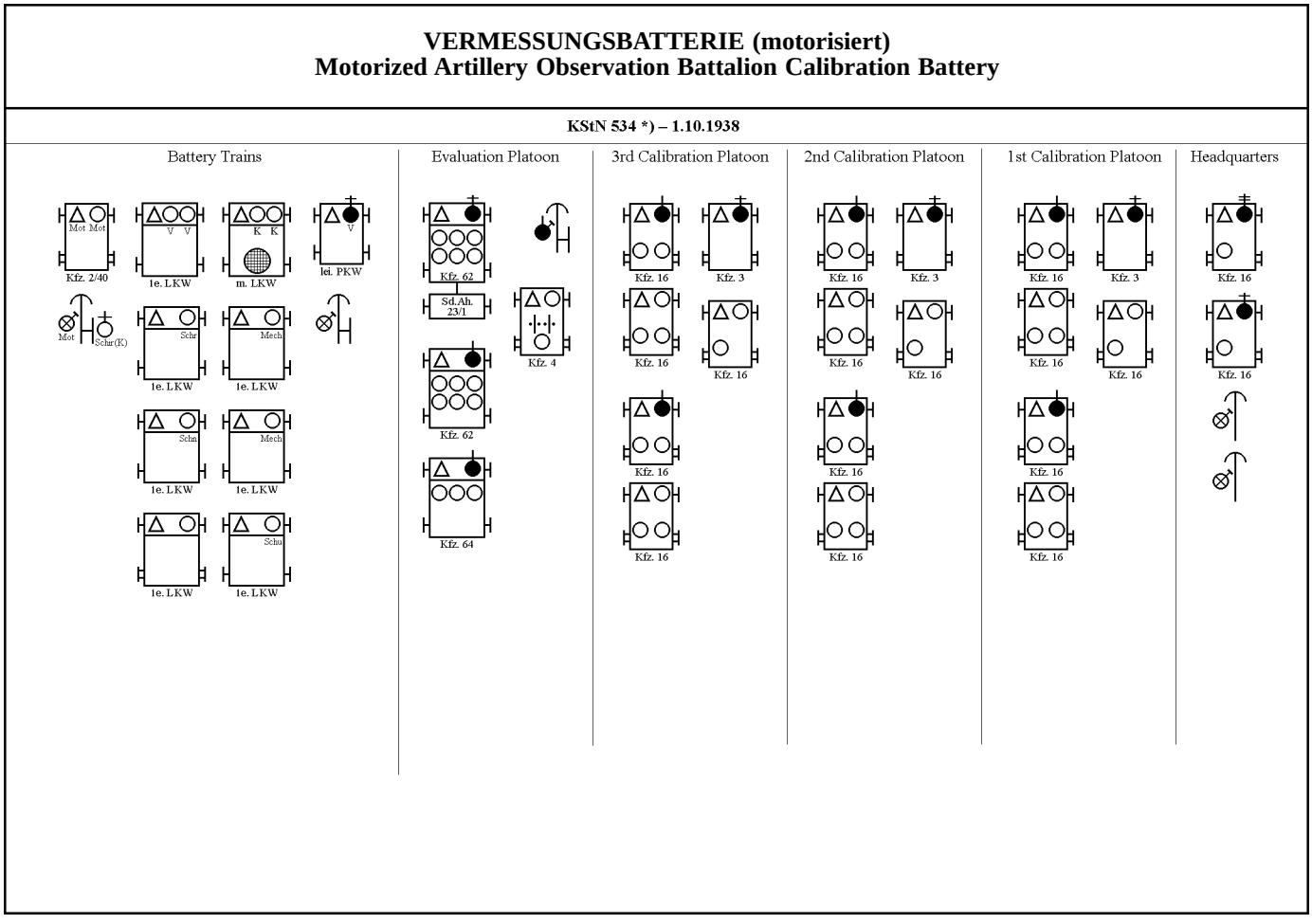
KStN 506 – 1.10.1937



STAB, BEOBACHTUNGSABTEILUNG (motorisiert)
Headquarters, Motorized Artillery Observation Battalion

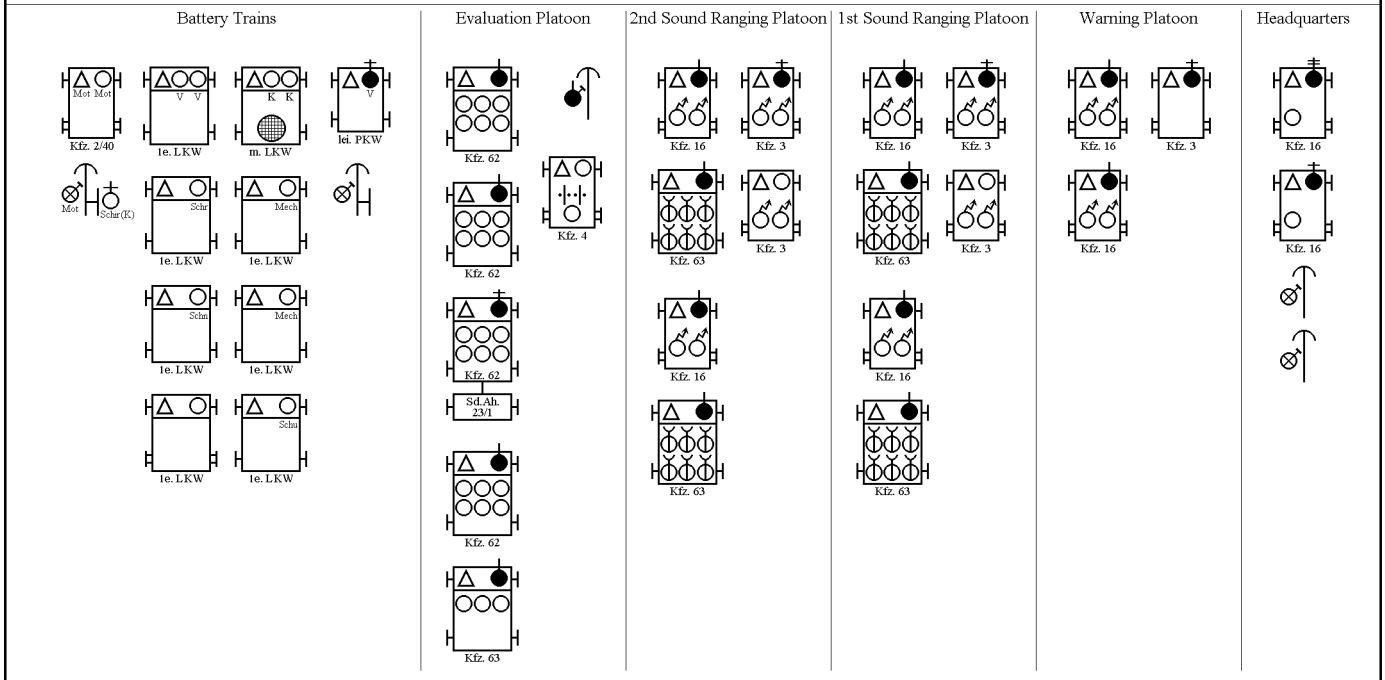


VERMESSUNGSBATTERIE (motorisiert)
Motorized Artillery Observation Battalion Calibration Battery



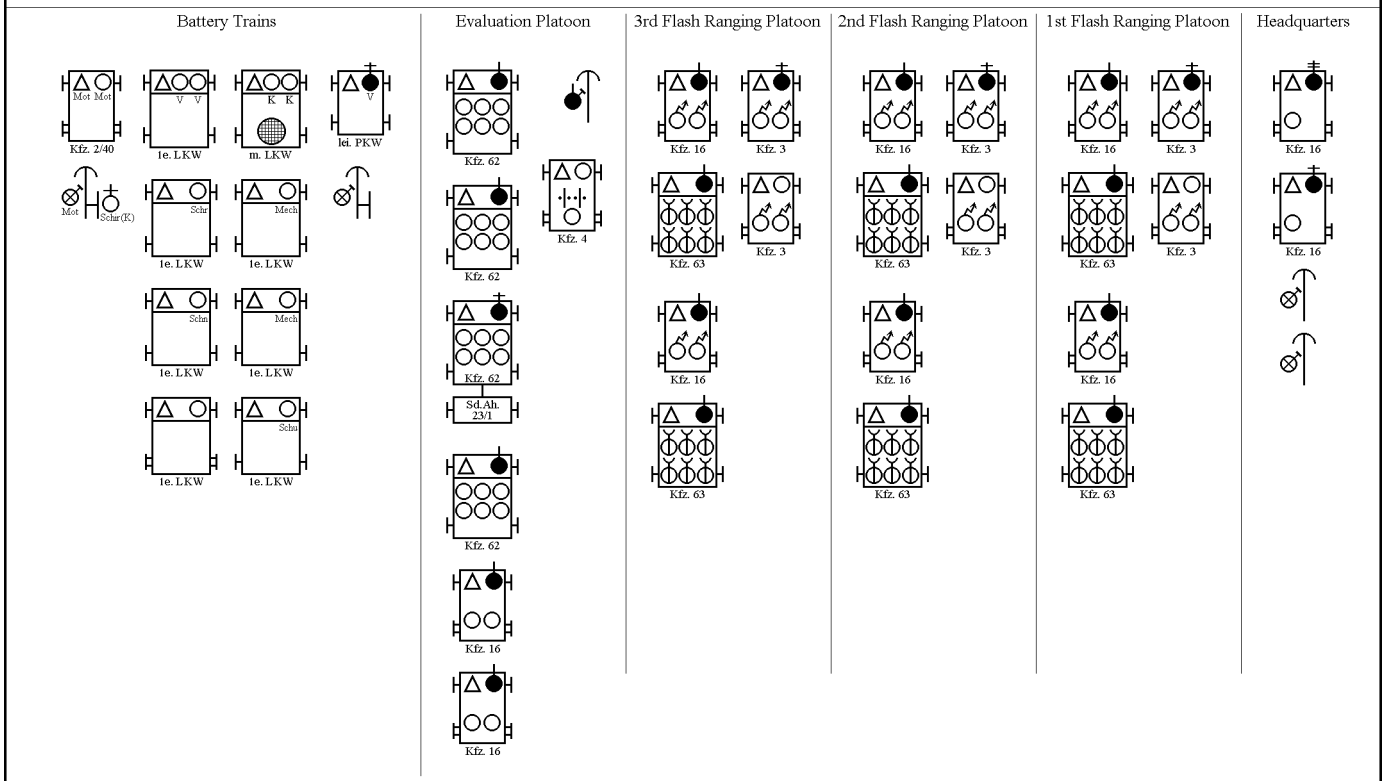
SCHALLMESSBATTERIE (motorisiert)
Motorized Artillery Observation Battalion Sound Ranging Battery

KStN 535 *) – 1.10.1938



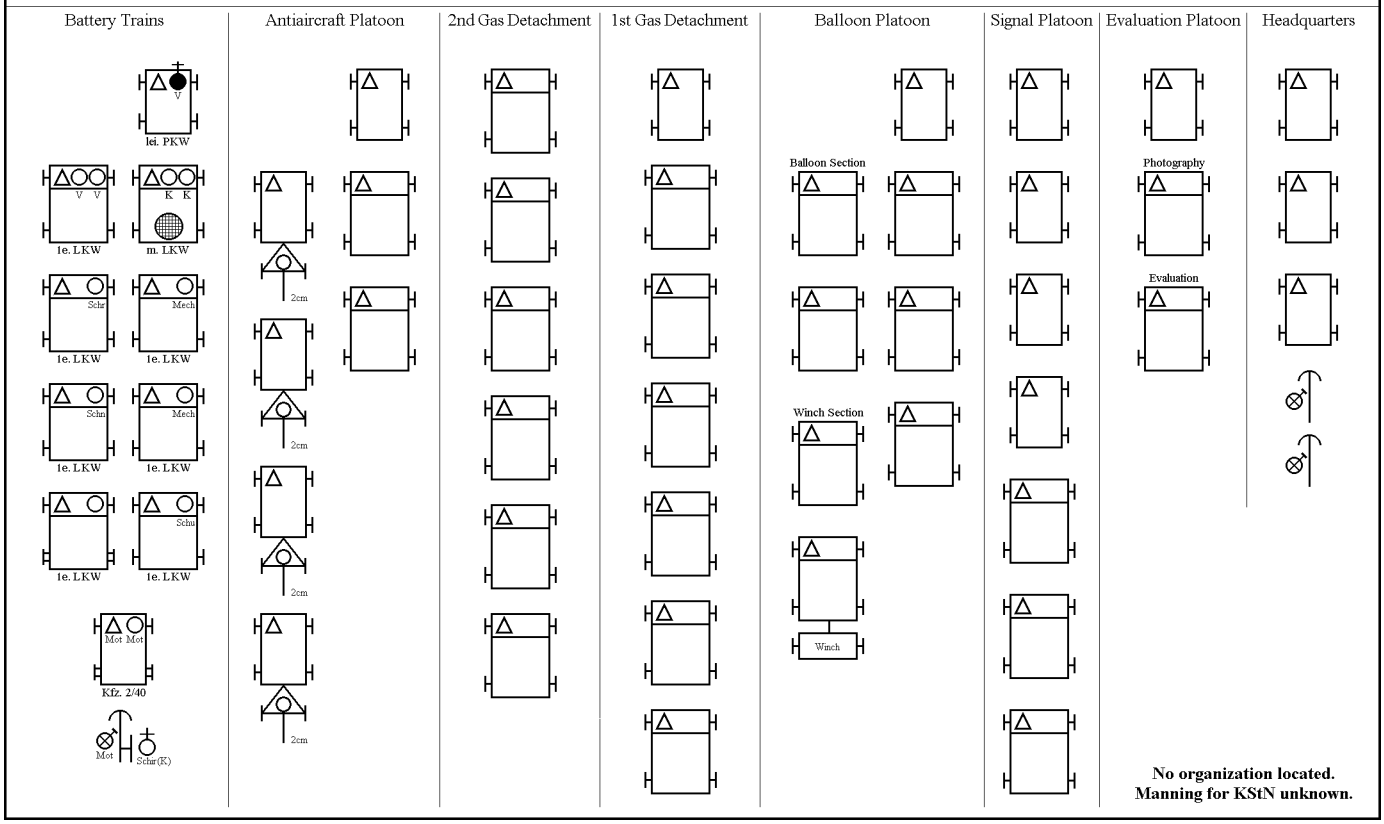
LICHTMESSBATTERIE (motorisiert)
Motorized Artillery Observation Battalion Flash Ranging Battery

KStN 536 *) – 1.10.1938



BALLONBATTERIE (motorisiert)
Motorized Artillery Observation Battalion Balloon Battery

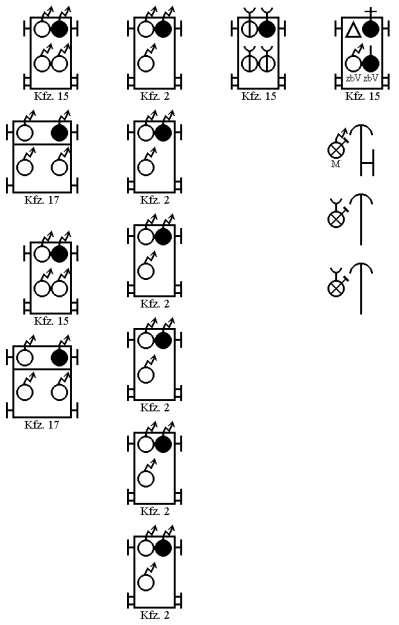
KStN 539 *) – 1.10.1938



STAB, PANZERABWEHR-ABTEILUNG (motorisiert)
Headquarters, Motorized Antitank Battalion

KStN 1192 *) – 1.10.1937

Signal Platoon

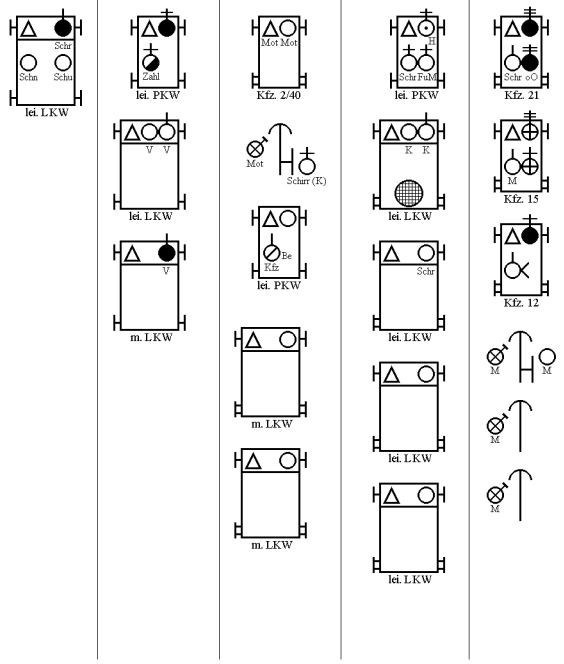


1 Light Telephone Section b
6 Pack Radio Sections b
2 Light Radio Sections b

KStN 1106 *) – 1.10.1937

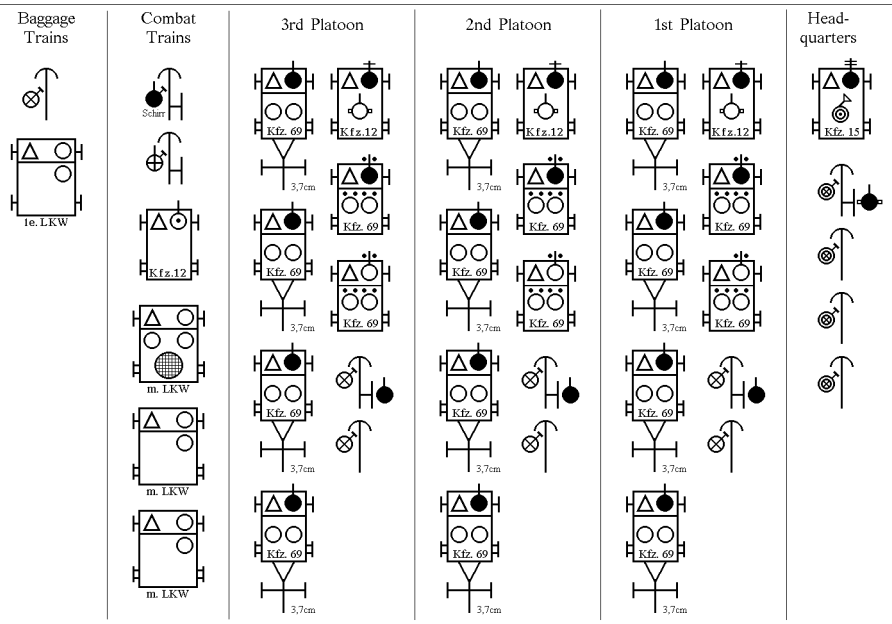
Battalion Headquarters

BaggageTrains	Rations Trains	Maintenance Detachment	Combat Trains	Headquarters



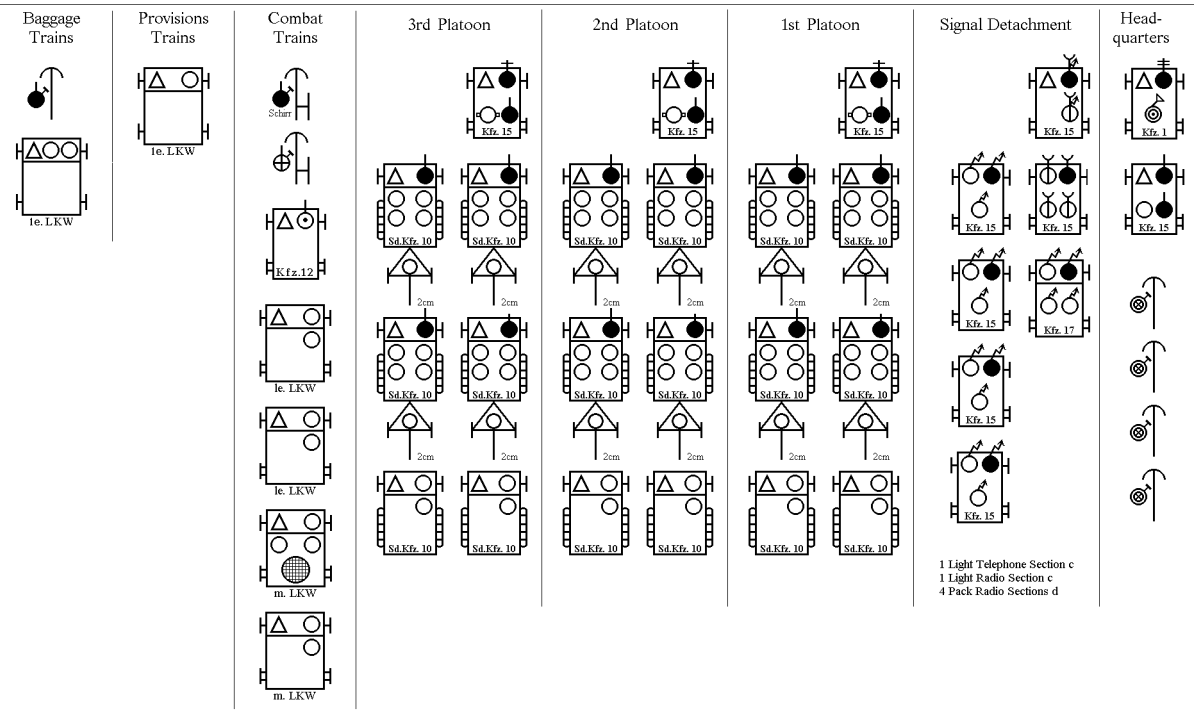
PANZERABWEHR-KOMPANIE “a” (motorisierter Zug)
Motor Towed Antitank Company Type “a”

KStN 1141 *) – 1.10.1937



MACHINENGEWEHRKOMPANIE (s) (motorisierter Zug)
Motor Towed Antiaircraft Company

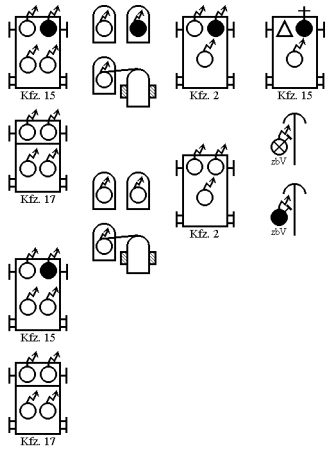
KStN 191 *) – 1.10.1937



STAB, AUFKLÄRUNGS-ABTEILUNG (teilmotorisiert)
Headquarters, Semi-Motorized Reconnaissance Battalion

KStN 366 *) – 1.10.1937

Signal Detachment

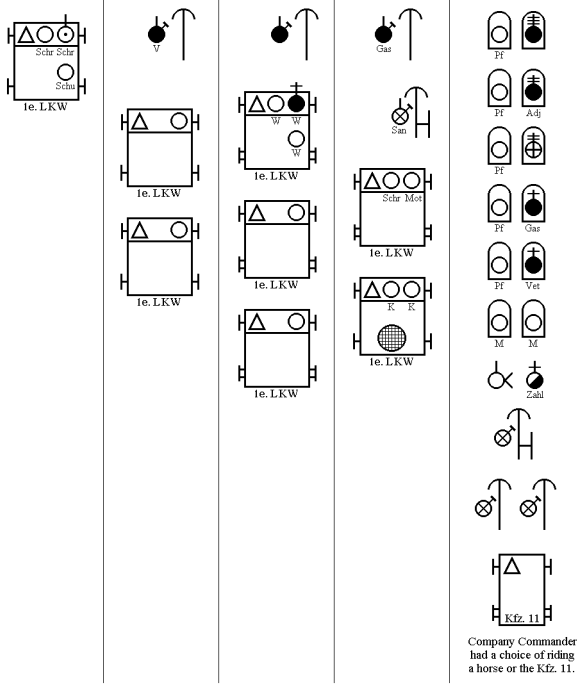


2 Pack Radio Sections b (mot)
2 Pack Radio Sections b (pack)
2 Medium Radio Sections b (mot)

KStN 302 *) – 1.10.1937

Battalion Headquarters

Baggage Trains | Rations Trains | Equipment & Ammunition Detachment | Combat Trains | Headquarters

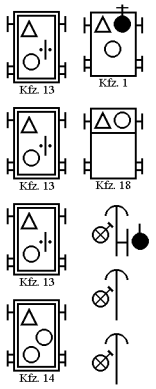


Company Commander had a choice of riding a horse or the Kfz. 11.

SCHWERE AUFKLÄRUNGS-SCHWADRON (motorisiert)
Motorized Heavy Reconnaissance Company

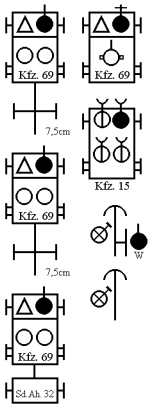
KStN 371 *) – 1.10.1938

Cavalry Scout Car Section



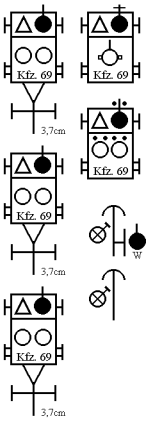
KStN 343 *) – 1.10.1937

Cavalry Gun Platoon



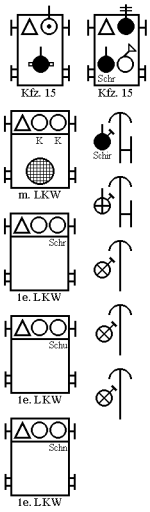
KStN 341 *) – 1.10.1937

Cavalry Antitank Platoon



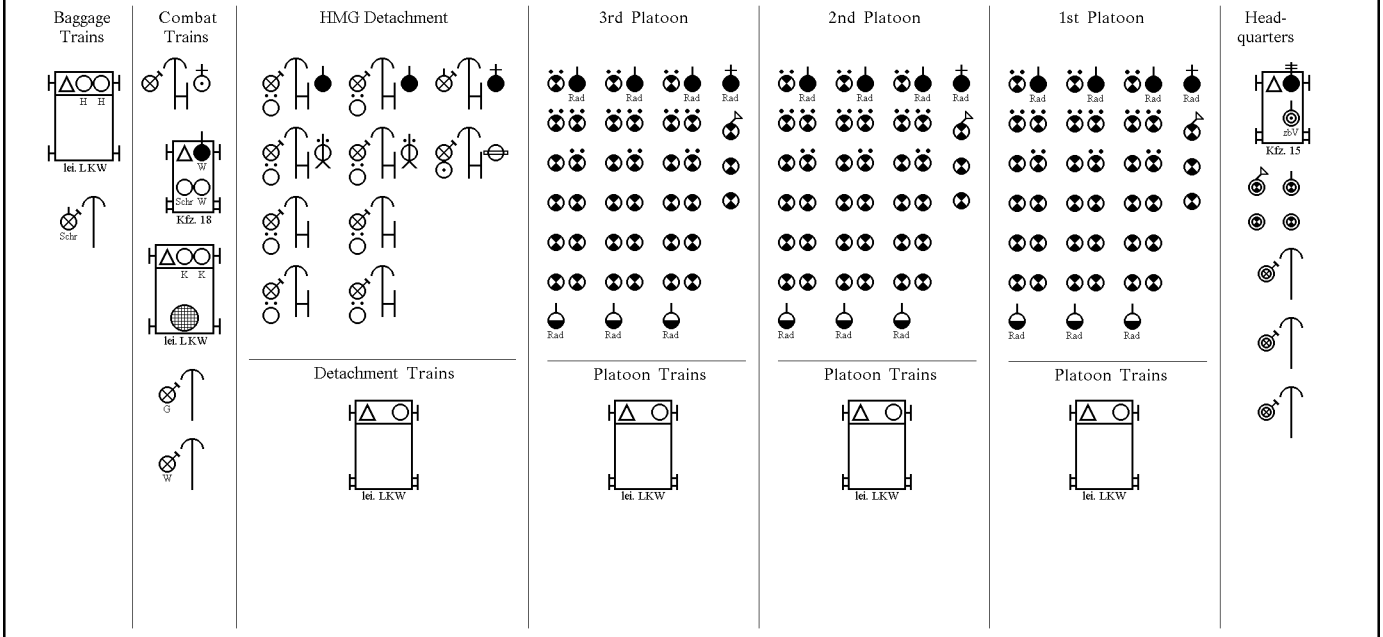
KStN 323 *) – 1.10.1937

Cavalry Heavy Company Headquarters Detachment



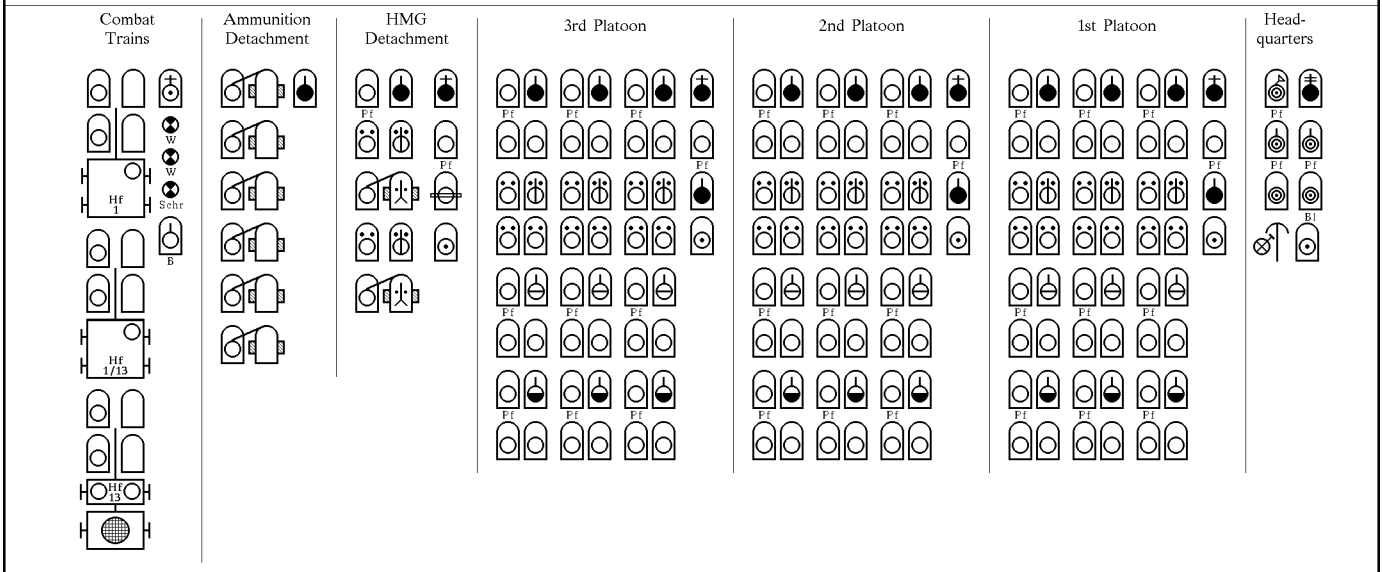
RADFAHRSCHWADRON / AUFKLÄRUNGSABTEILUNG (teilmotorisiert)
Bicycle Company / Semi-Motorized Reconnaissance Battalion

KStN 353 *) – 1.10.1937



REITERSCHWADRON / AUFKLÄRUNGSABTEILUNG (teilmotorisiert)
Cavalry Company / Semi-Motorized Reconnaissance Battalion

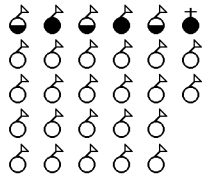
KStN 312 *) – 1.10.1937



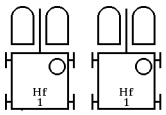
PIONIERBATAILLON (teilmotorisiert)
Semi-Motorized Engineer Battalion

KStN 779 *) – 1.11.38

Band

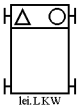


Band Trains

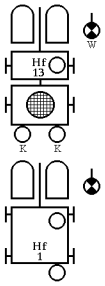


KStN 702 – 1.10.1937

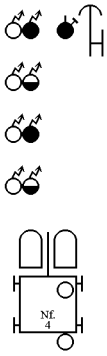
Baggage & Provisions Trains



Combat & Provisions Trains

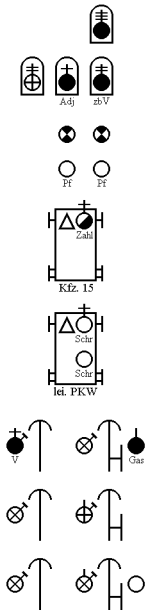


Signal Detachment



4 Pack Radio Sections b

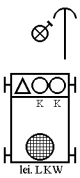
Headquarters



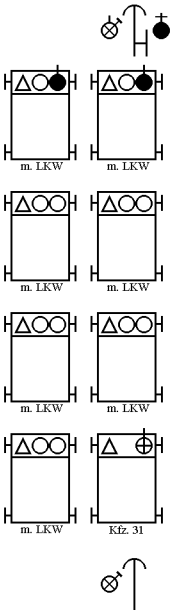
LEICHTE PIONIERKOLONNE (motorisiert)
Motorized Light Engineer Transport Column

KStN 741 – 1.10.1937

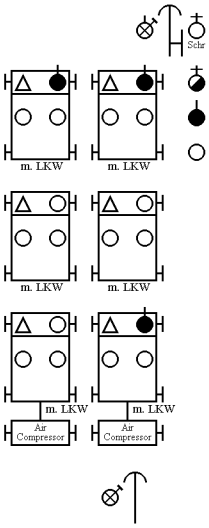
Trains



2nd Platoon



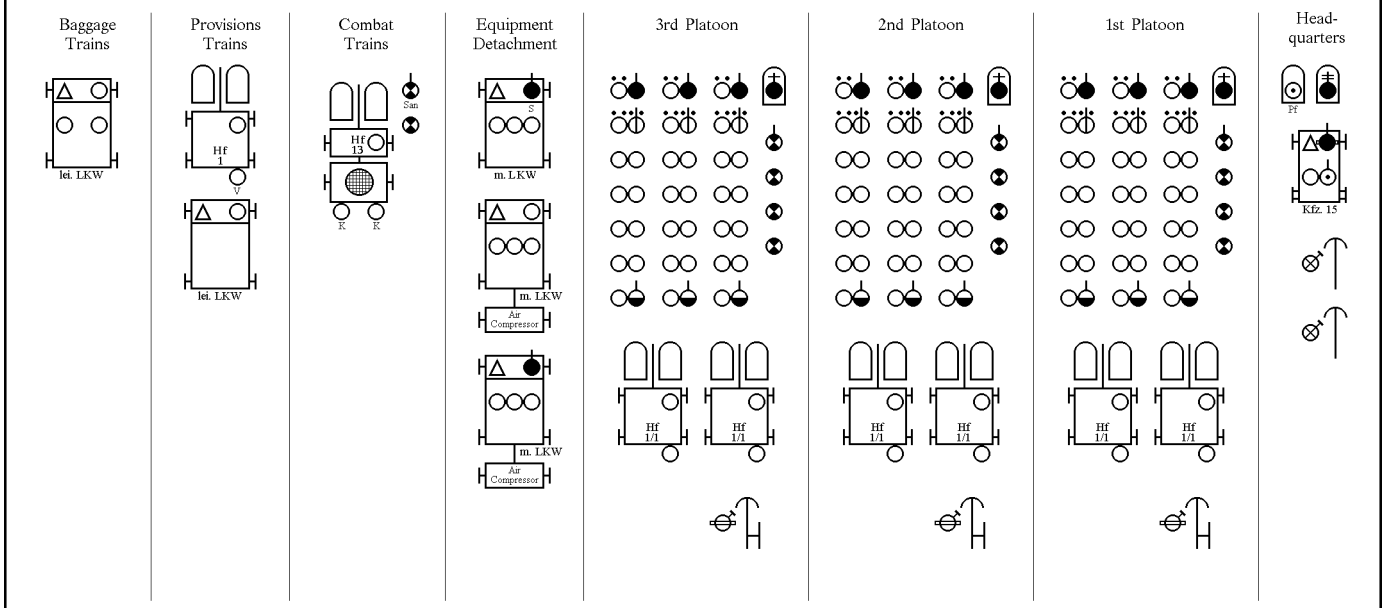
1st Paltoon



Head-quarters

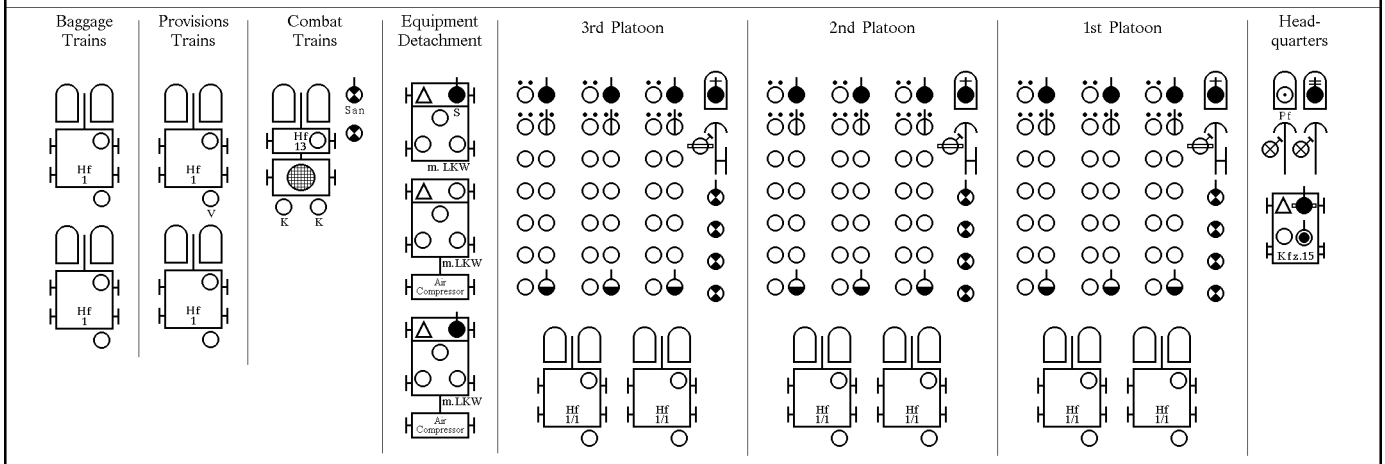
PIONIERKOMPANIE (Reich)
Engineer Company (Reich)

KStN 711(R) – 1.09.1934



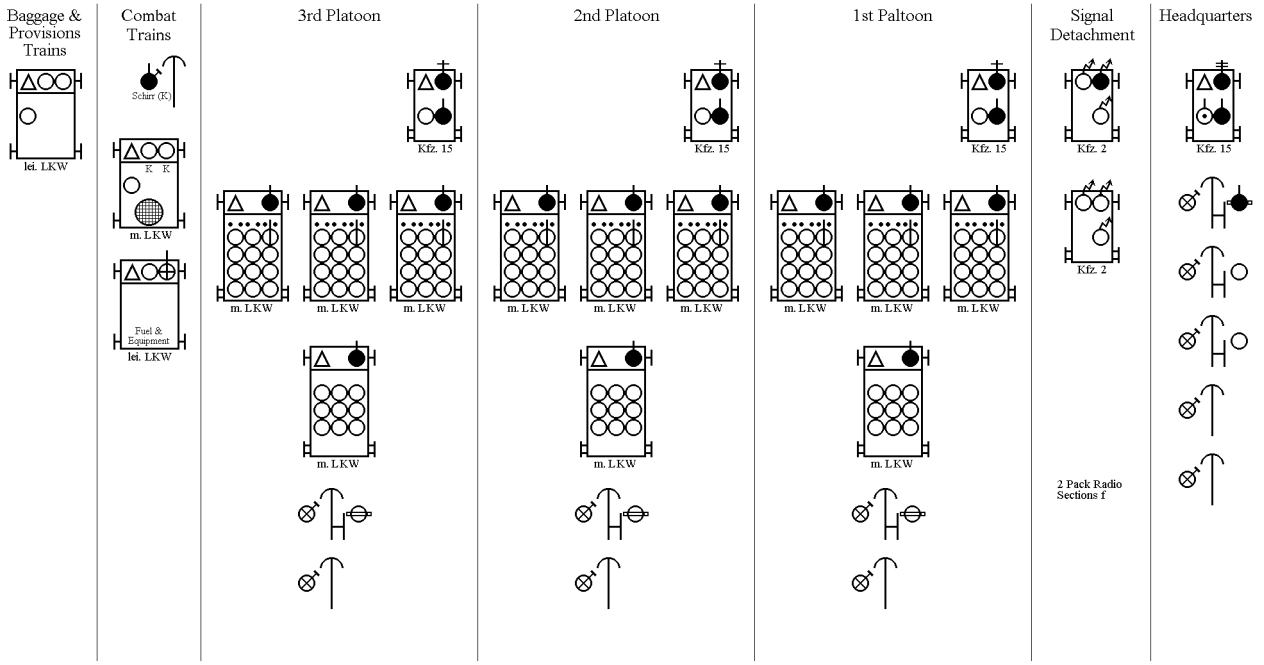
PIONIERKOMPANIE (Ostpreussen)
Engineer Company (East Prussia)

KStN 711 (O) – 1.04.1934



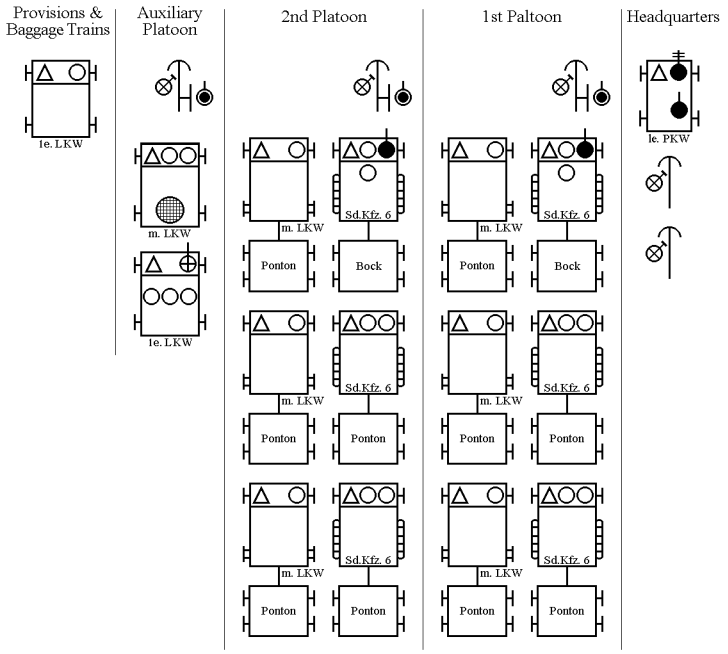
PIONIERKOMPANIE (motorisiert)
Motorized Engineer Company

KStN 712 – 1.10.1937



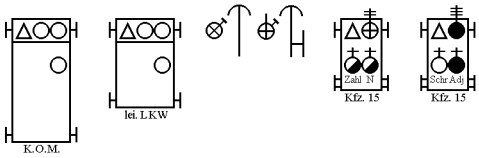
BRÜCKENKOLONNE C (motorisiert)
Motorized Type C Bridge Column

KStN 734 – 1.10.1937



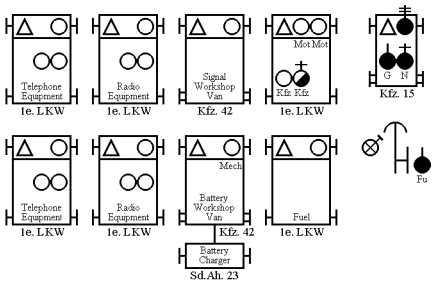
STAB, INFANTERIEDIVISIONSNACHRICHTENABTEILUNG (teilmotorisiert)
Headquarters, Infantry Division Semi-Motorized Signal Battalion,

KStN 806 *) – 1.10.1937



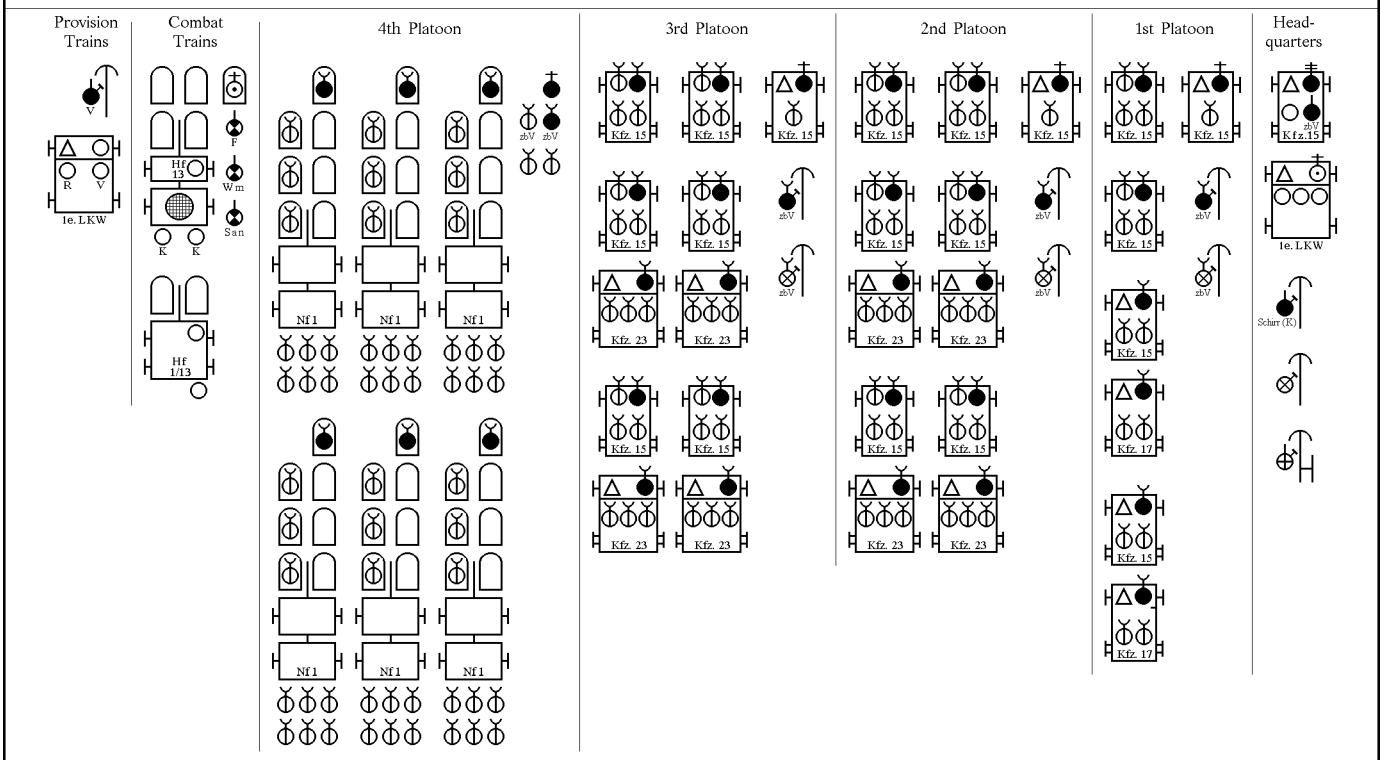
LEICHTE NACHRICHTENKOLONNE a (motorisiert)
Motorized Light Signal Column Type a

KStN 871 *) – 1.10.1937



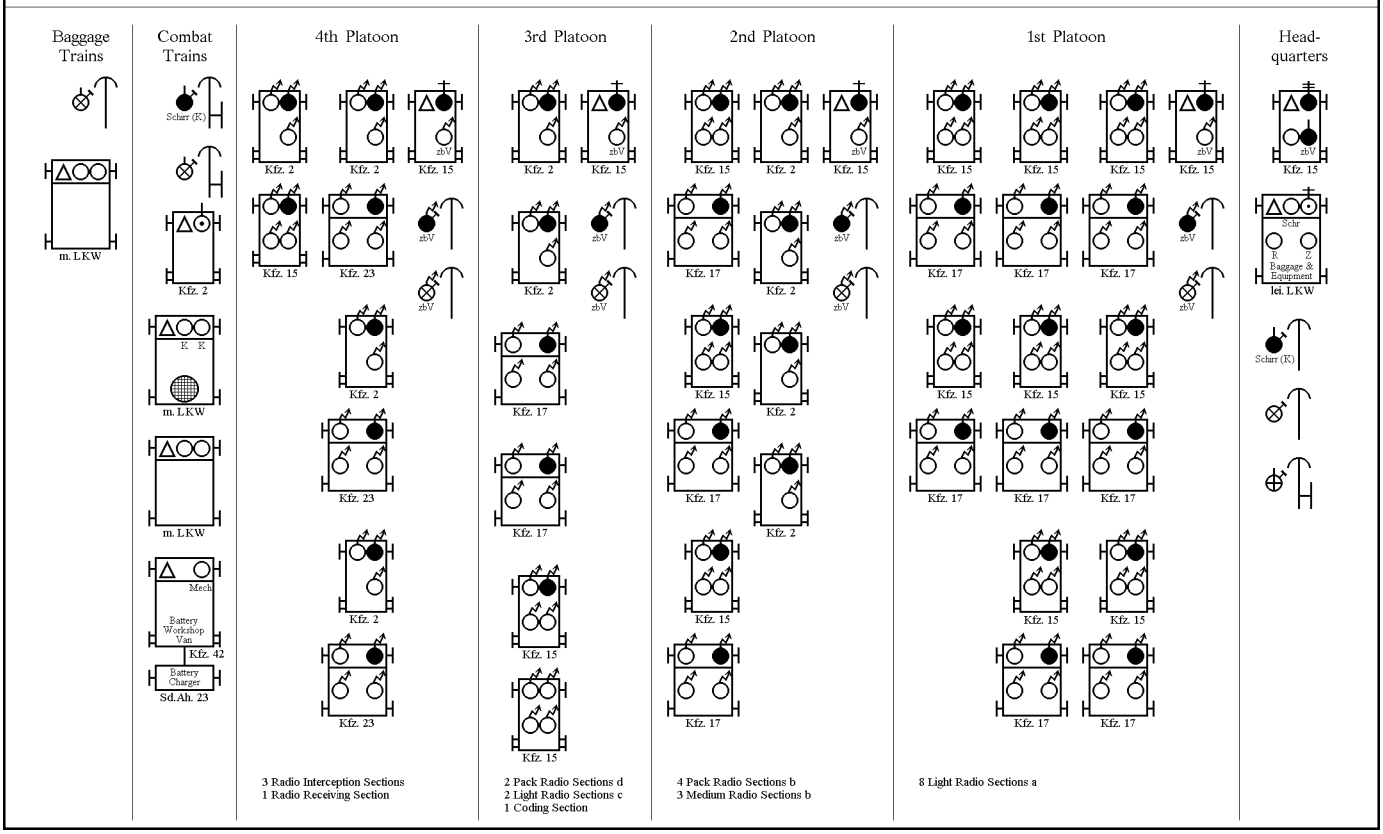
FERNSPRECHKOMPANIE (teilmotorisiert)
Semi-Motorized Telephone Company

KStN 831 *) – 1.10.1938



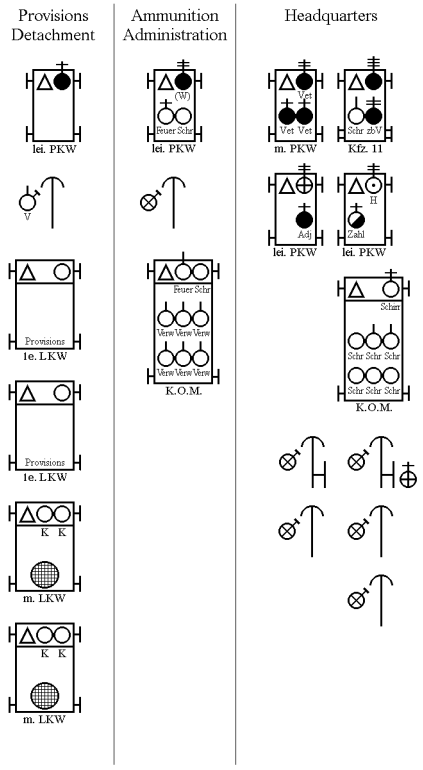
FUNKKOMPANIE a (motorisiert)
Motorized Radio Company Type a

KStN 859 *) – 1.10.1938



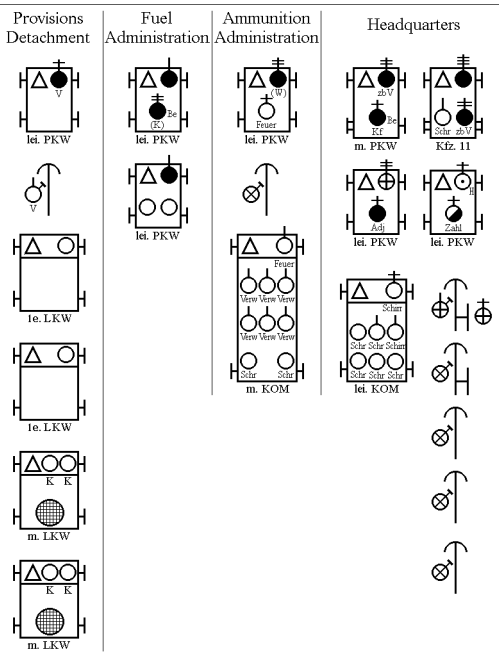
STAB EINER DIVISIONSNACHSCHUBFÜHRERS (tmot)
Semi-Motorized Divisional Supply Commander

KStN 1202 – 1.03.1939



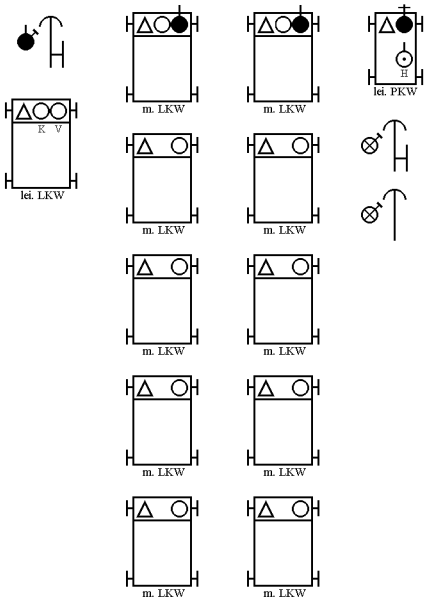
STAB EINER DIVISIONSNACHSCHUBFÜHRERS (mot)
Motorized Divisional Supply Commander

KStN 1208 *) – 1.03.1939



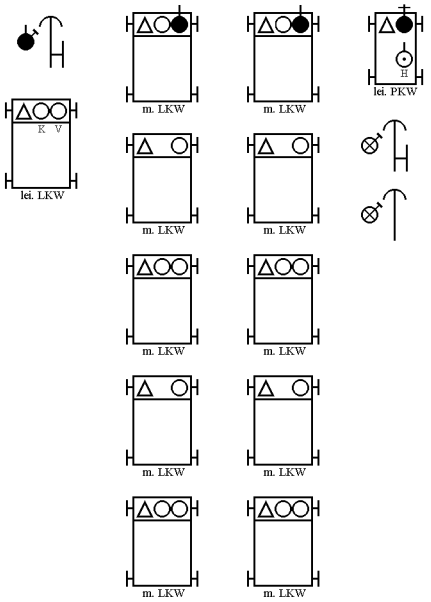
KLEINE KRAFWAGENKOLONNE (30 Tonnen)
Motor Transport Column (30 tons)

KStN 1125 *) – 1.10.1937



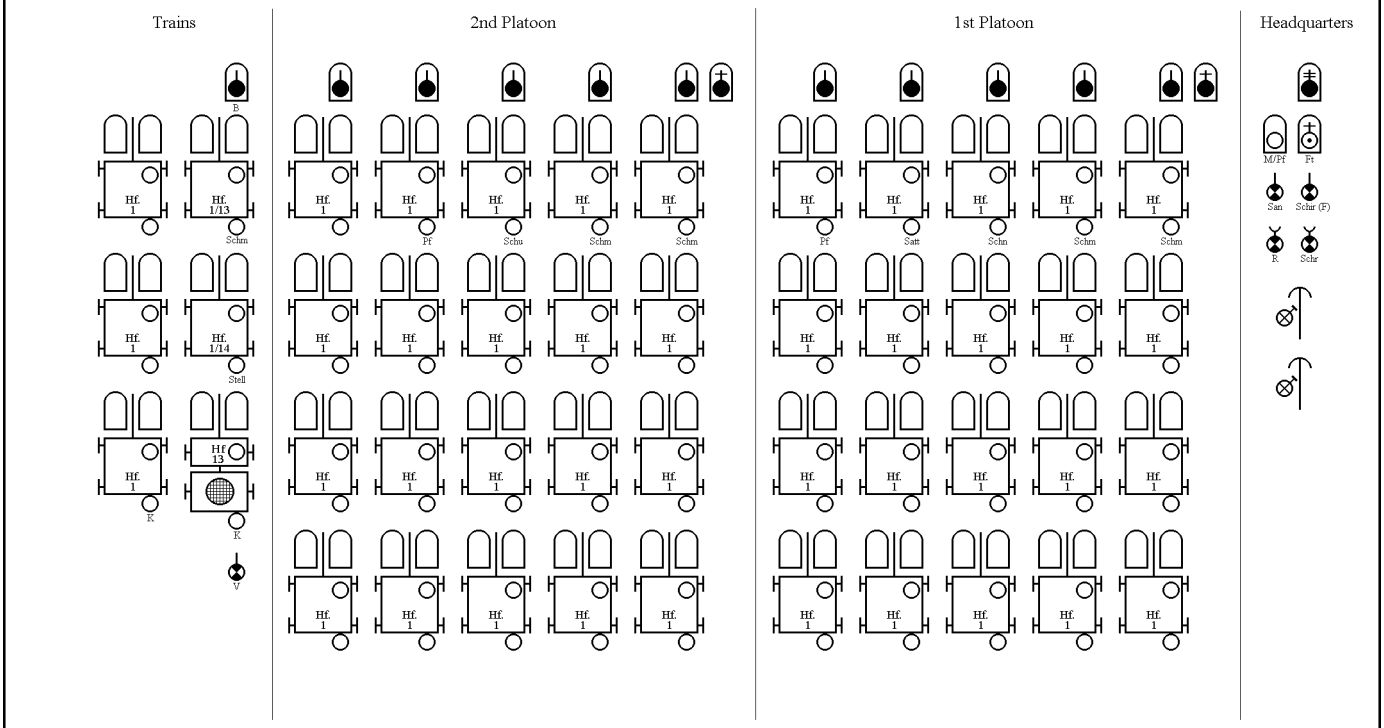
KLEINE KRAFWAGENKOLONNE FÜR BETRIEBSSTOFF (25cbm)
Motor Transport Column for Fuel (25m³)

KStN 1125 *) – 1.10.1937



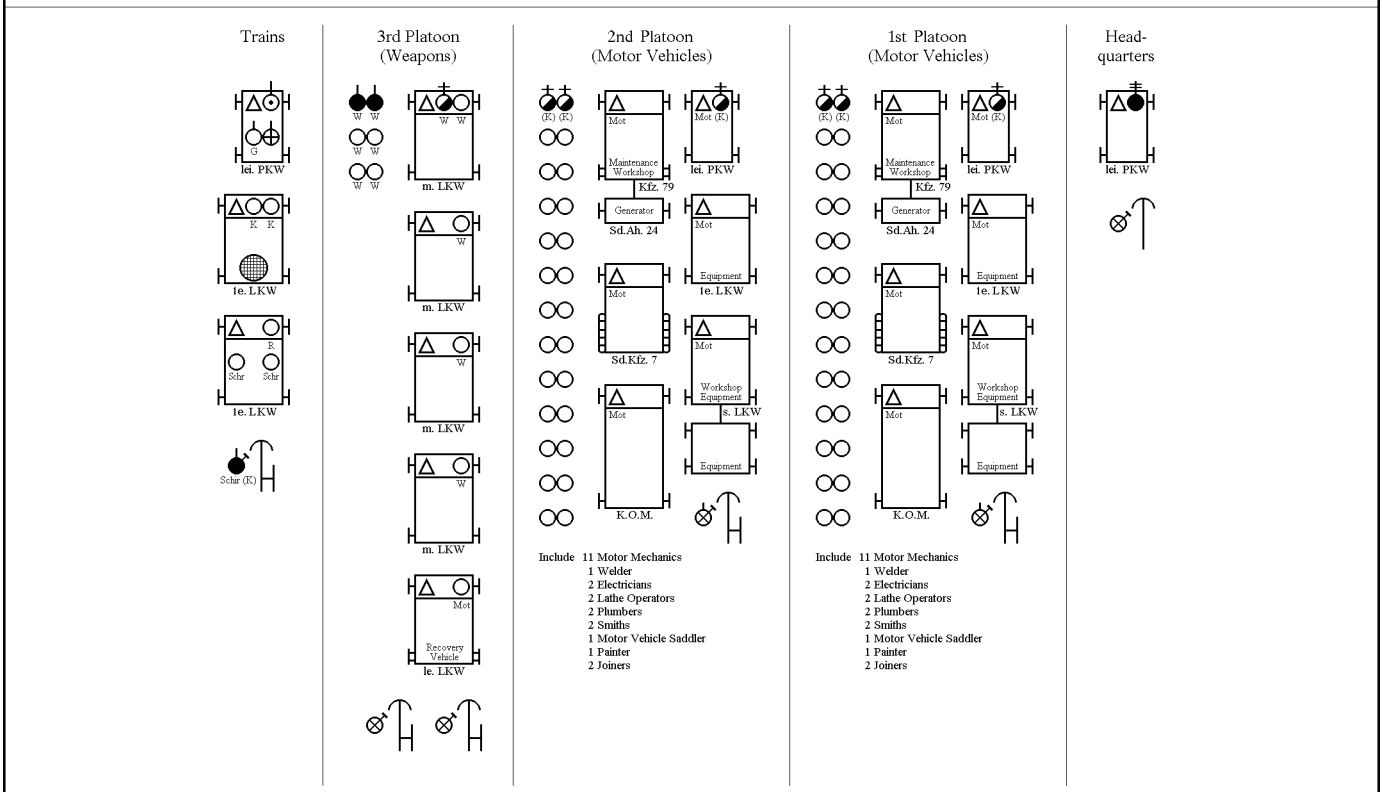
FAHRKOLONNE
Horse Drawn Transport Column

KStN 1241 – 1.10.1937



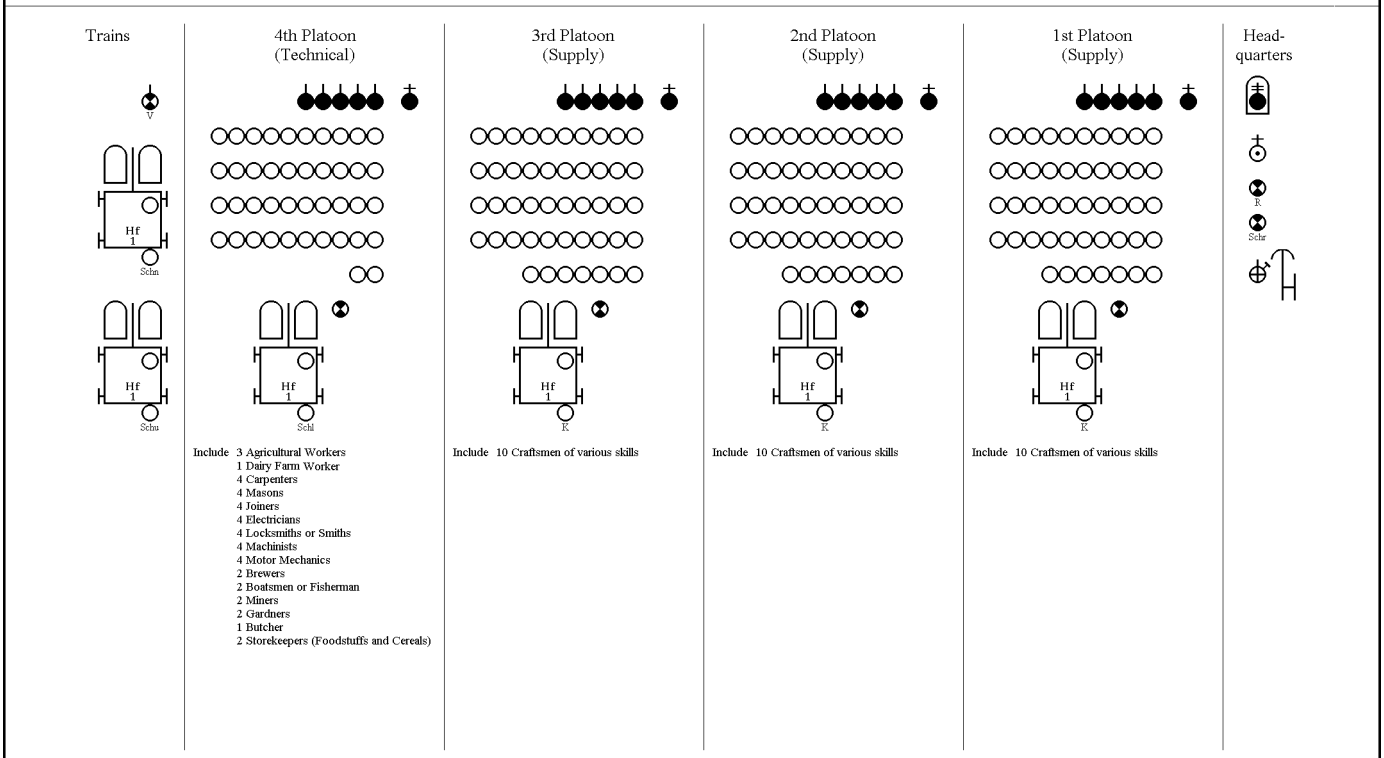
WERKSTATTKOMPANIE (mot)
Motorized Workshop sCompany

KStN 1052 – 1.10.1937



NACHSCHUBKOMPANIE
Supply Company

KStN 1253 – 1.10.1937



Include 3 Agricultural Workers
1 Dairy Farm Worker
4 Carpenters
4 Masons
4 Joiners
4 Electricians
4 Locksmiths or Smiths
4 Machinists
4 Motor Mechanics
2 Brewers
2 Boatsmen or Fisherman
2 Miners
2 Gardners
1 Butcher
2 Storekeepers (Foodstuffs and Cereals)

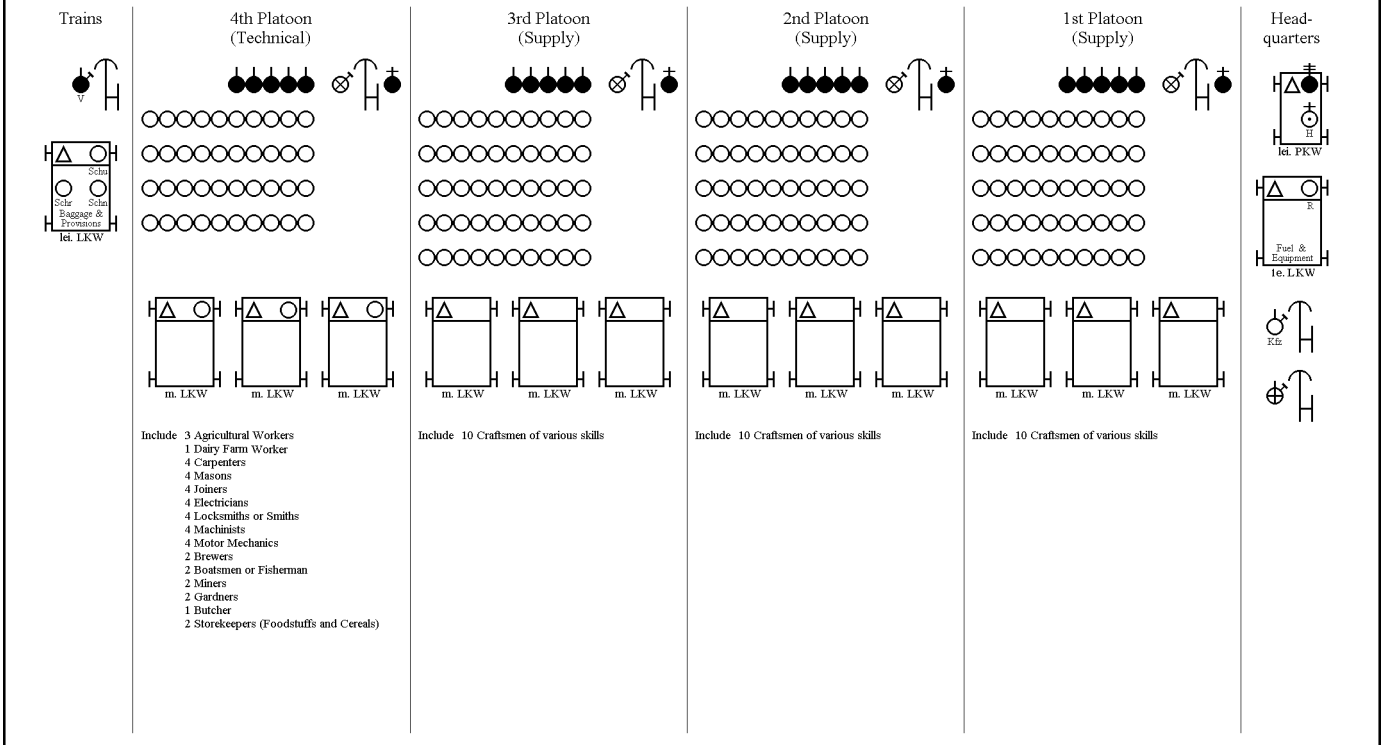
Include 10 Craftsmen of various skills

Include 10 Craftsmen of various skills

Include 10 Craftsmen of various skills

NACHSCHUBKOMPANIE (mot)
Motorized Supply Company

KStN 1255 – 1.10.1937



Include 3 Agricultural Workers
1 Dairy Farm Worker
4 Carpenters
4 Masons
4 Joiners
4 Electricians
4 Locksmiths or Smiths
4 Machinists
4 Motor Mechanics
2 Brewers
2 Boatsmen or Fisherman
2 Miners
2 Gardners
1 Butcher
2 Storekeepers (Foodstuffs and Cereals)

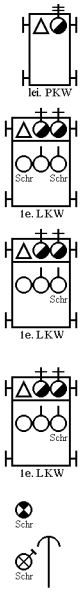
Include 10 Craftsmen of various skills

Include 10 Craftsmen of various skills

Include 10 Craftsmen of various skills

VERPFELEGUNGSAMT
Commissary Office

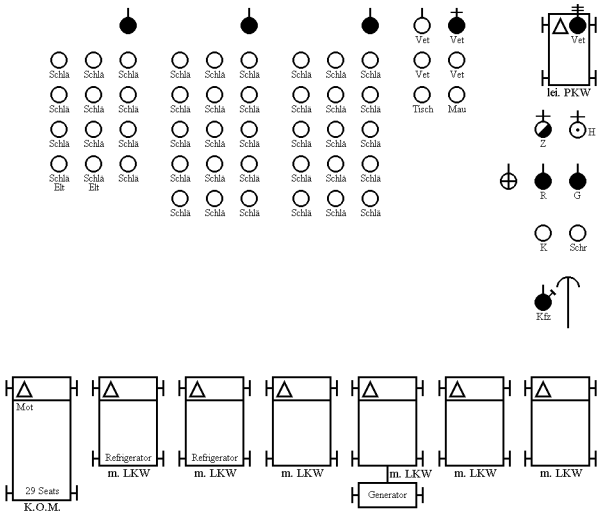
KStN 2086 – 1.10.1937



Workers are drawn from the Supply Company.

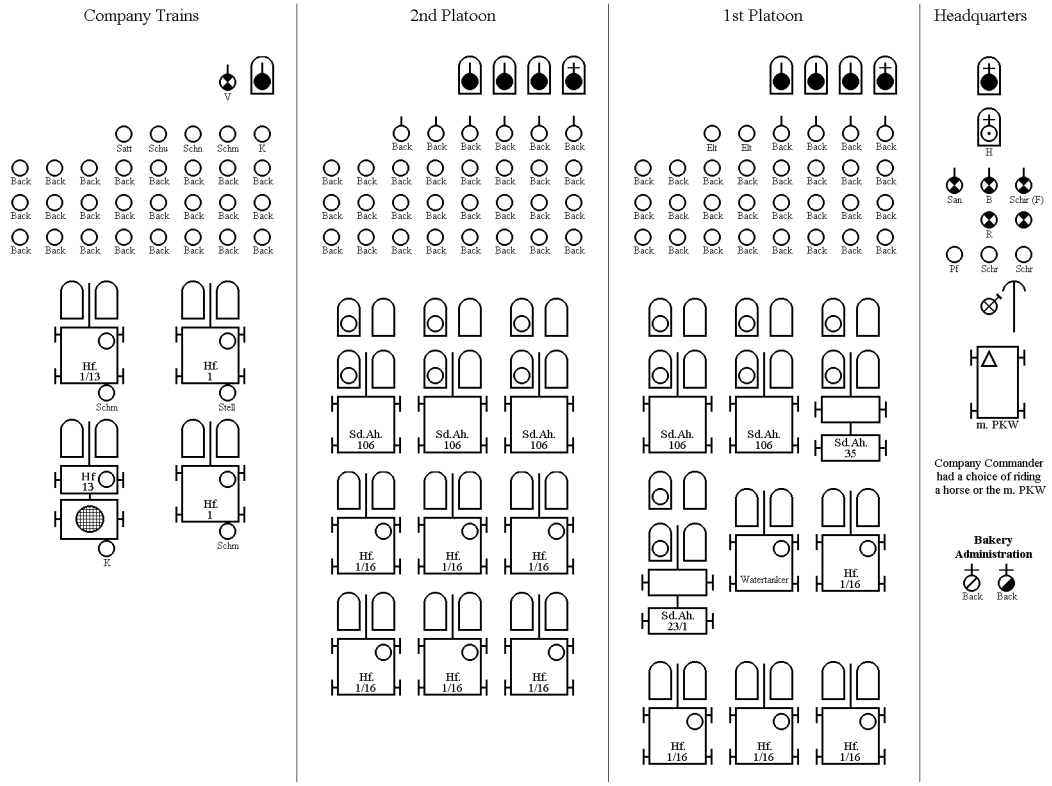
SCHLACHTERIEZUG (mot)
Motorized Butcher Platoon

KStN 1282 *) – 1.10.1938



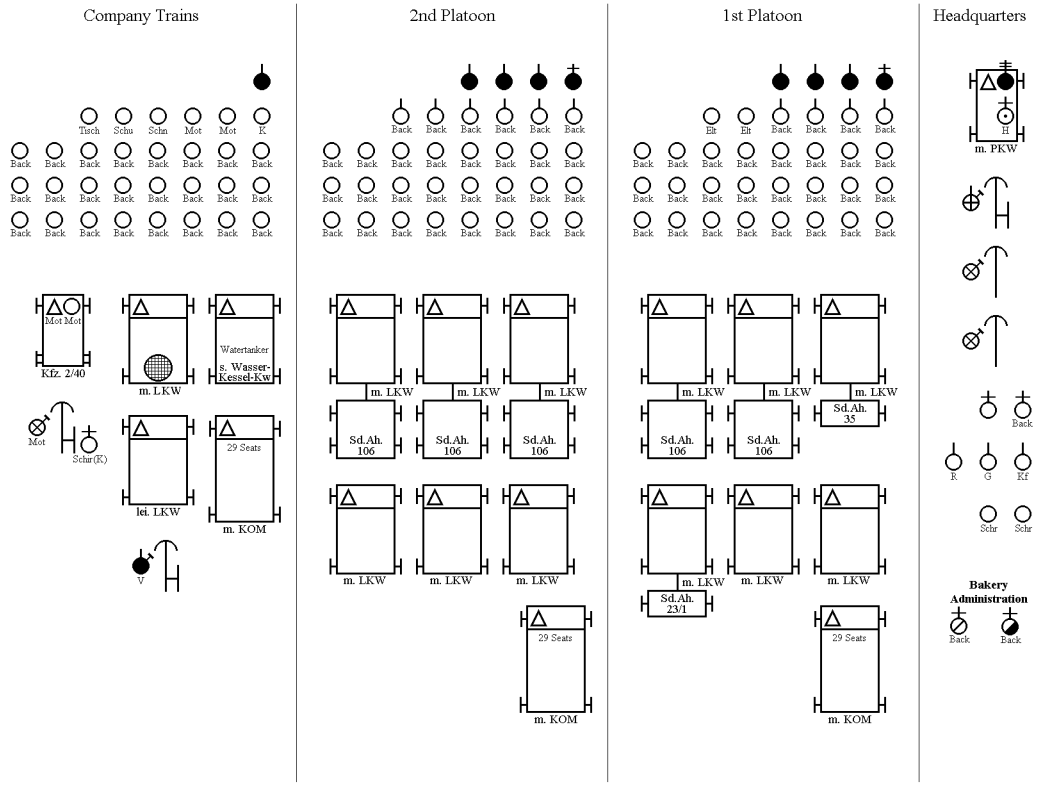
BÄKEREIKOMPANIE e
Baker Company Type e

KStN 1278 – 1.10.1937



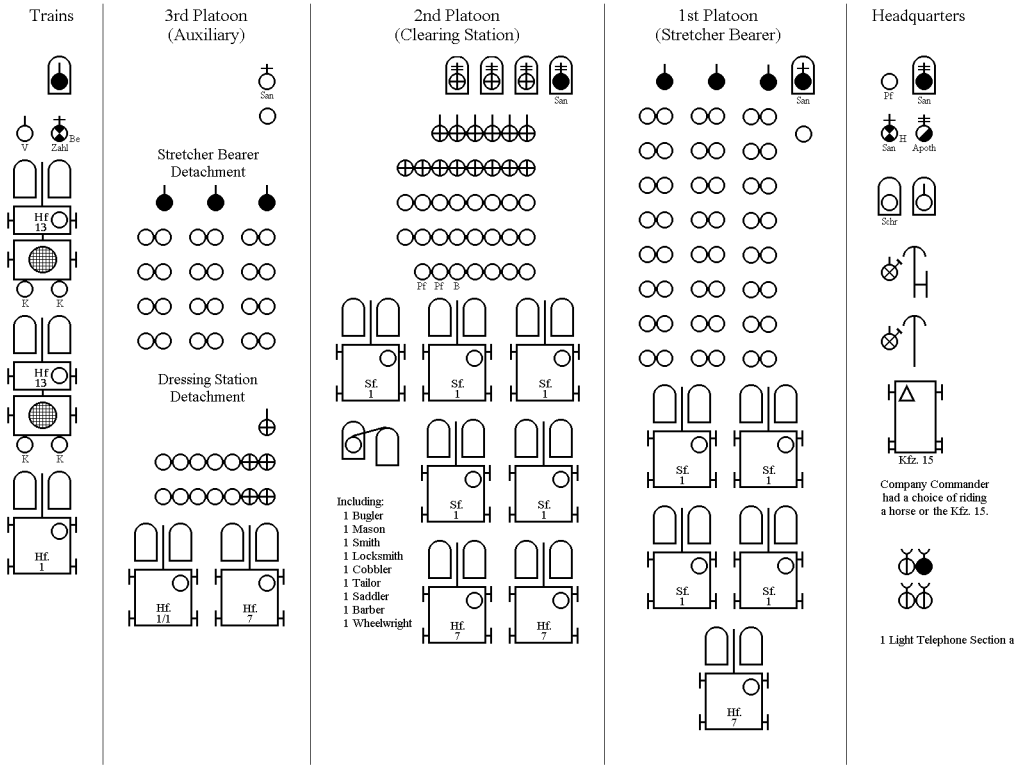
BÄKEREIKOMPANIE e (mot)
Motorized Baker Company Type e

KStN 1277 *) – 1.10.1937



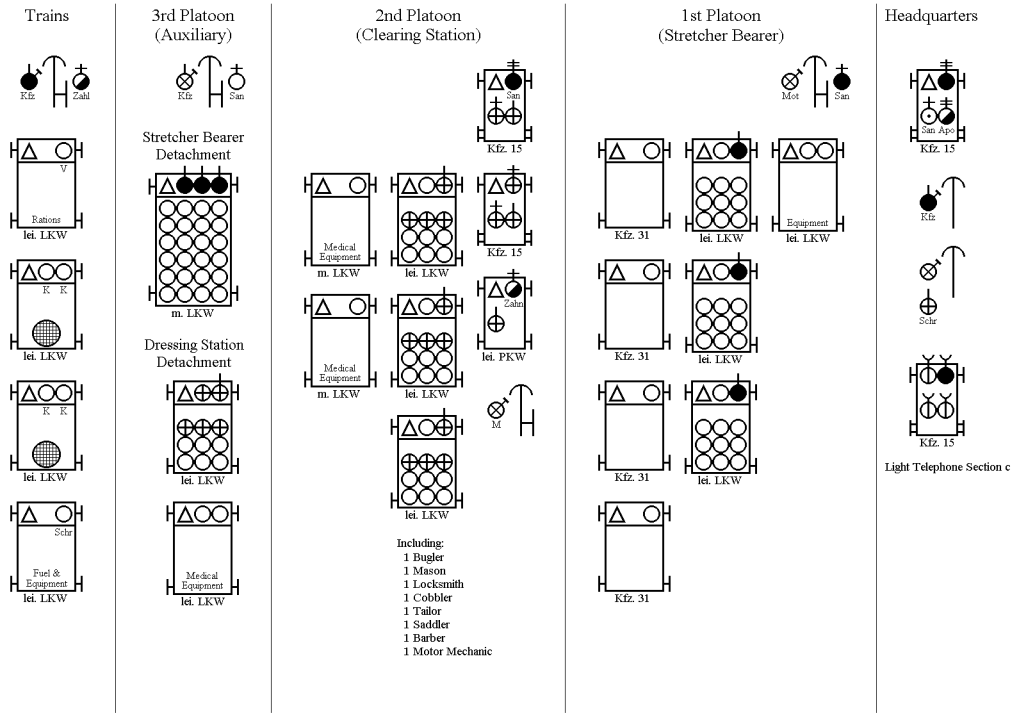
SANITÄTSKOMPANIE b
Medical Company Type b

KStN 1309 – 1.03.1939



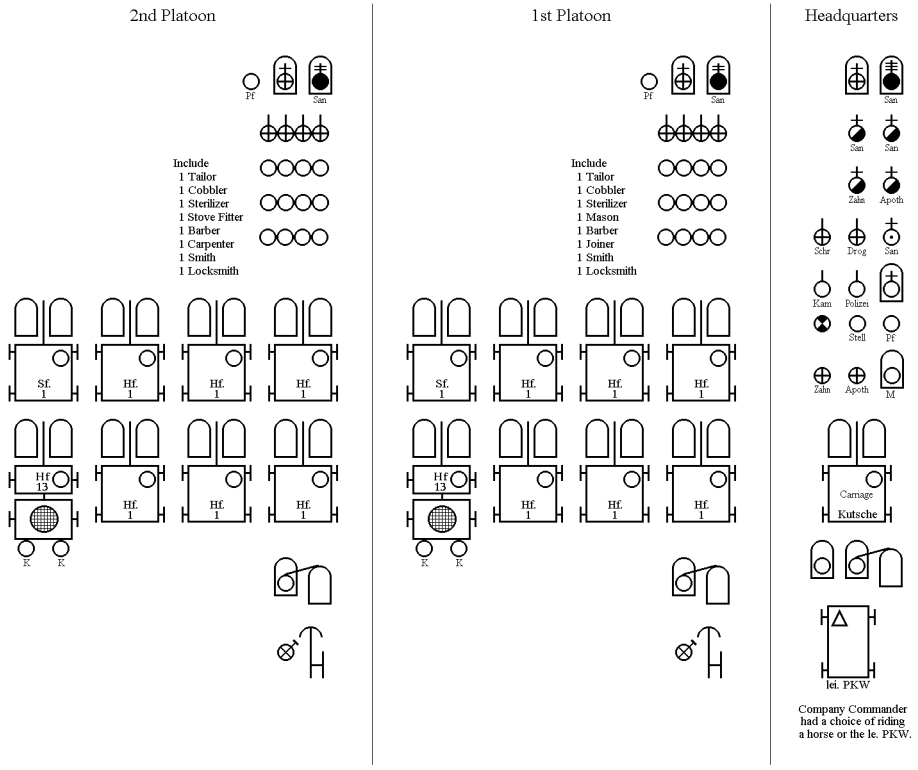
SANITÄTSKOMPANIE b (mot)
Motorized Medical Company Type b

KStN 1314 – 1.03.1939



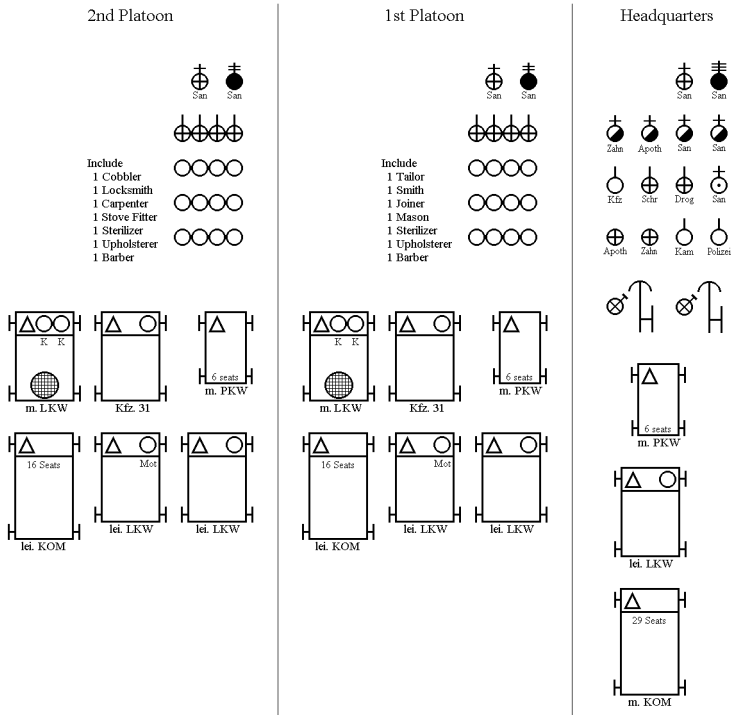
FELDLAZARETT
Field Hospital

KStN 1341 – 1.10.1937



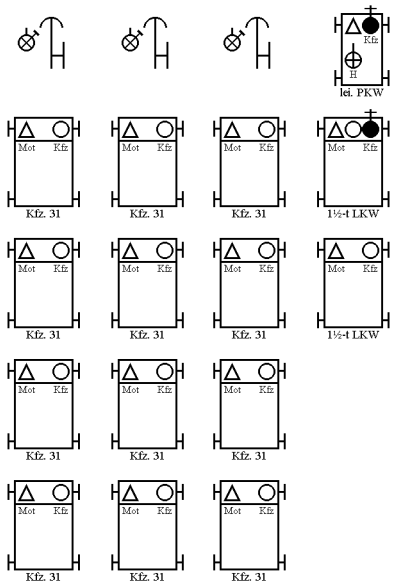
FELDLAZARETT (mot)
Motorized Field Hospital

KStN 1342 – 1.10.1937



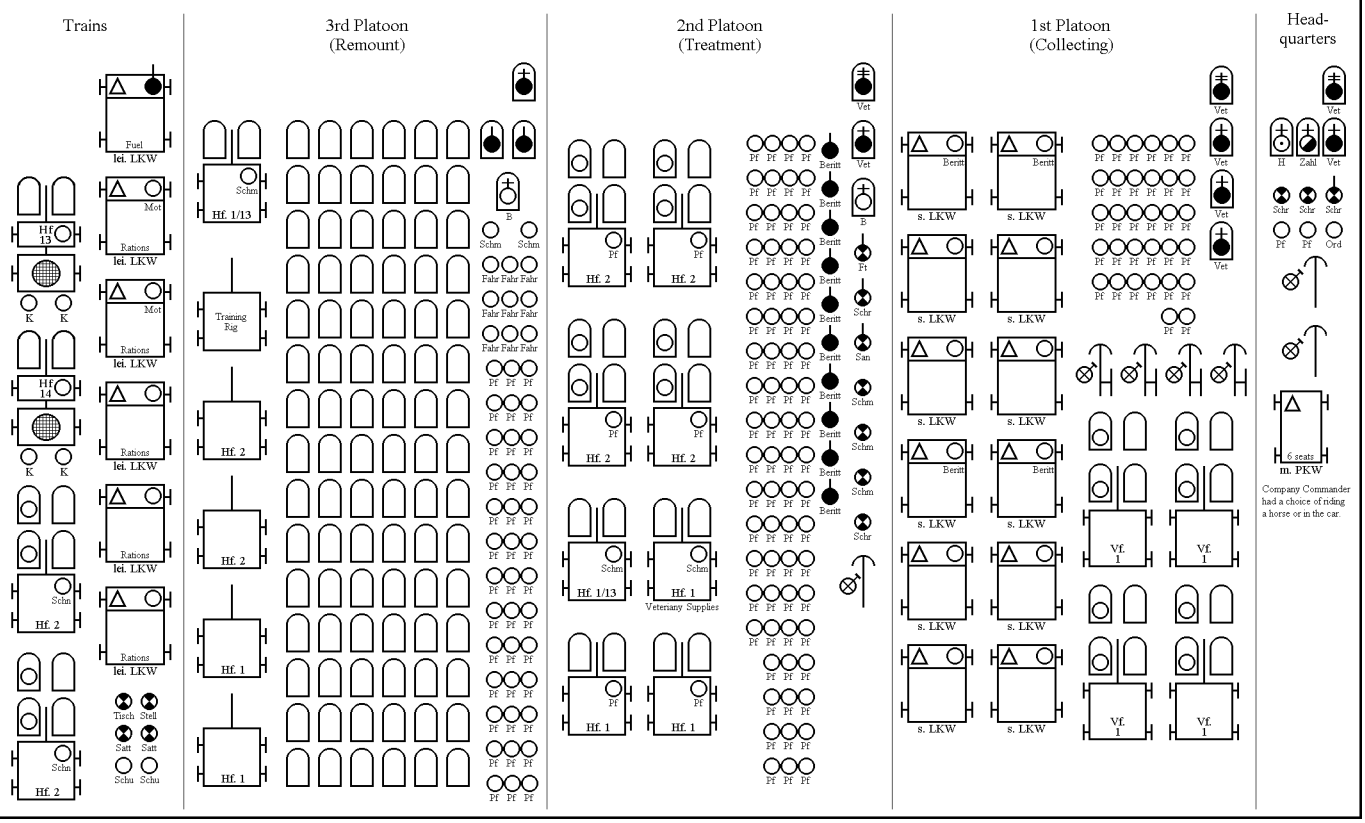
KRANKENKRAFTWAGENZUG
Motor Ambulance Platoon

KStN 1365 *) – 1.10.1937



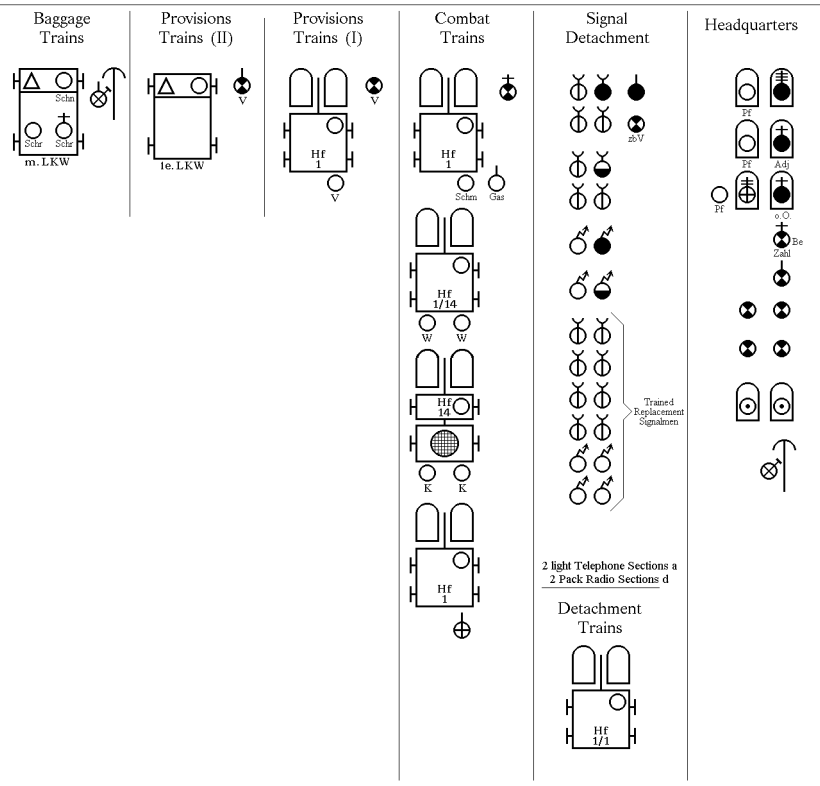
VETERINÄRKOMPANIE
Veterinary Company

KStN 1415 *) – 1.10.1937



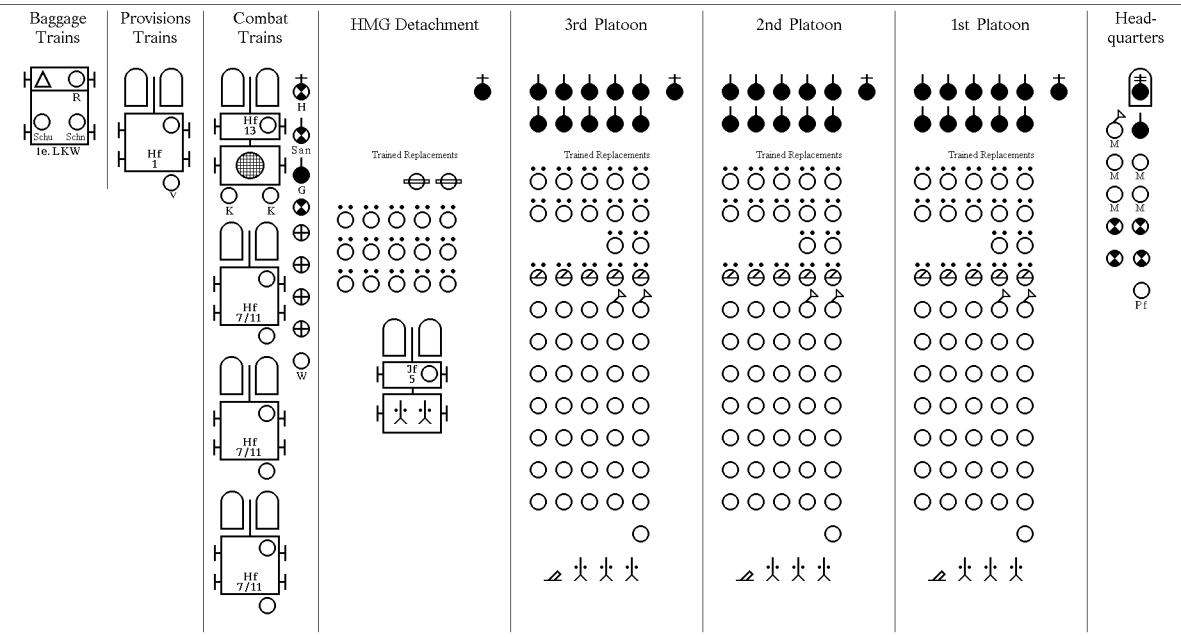
STAB, INFANTERIEFELDERSATZBATAILLON
Headquarters, Field Repacement Infantry Battallion

KStN 125(R) – 1.10.1938

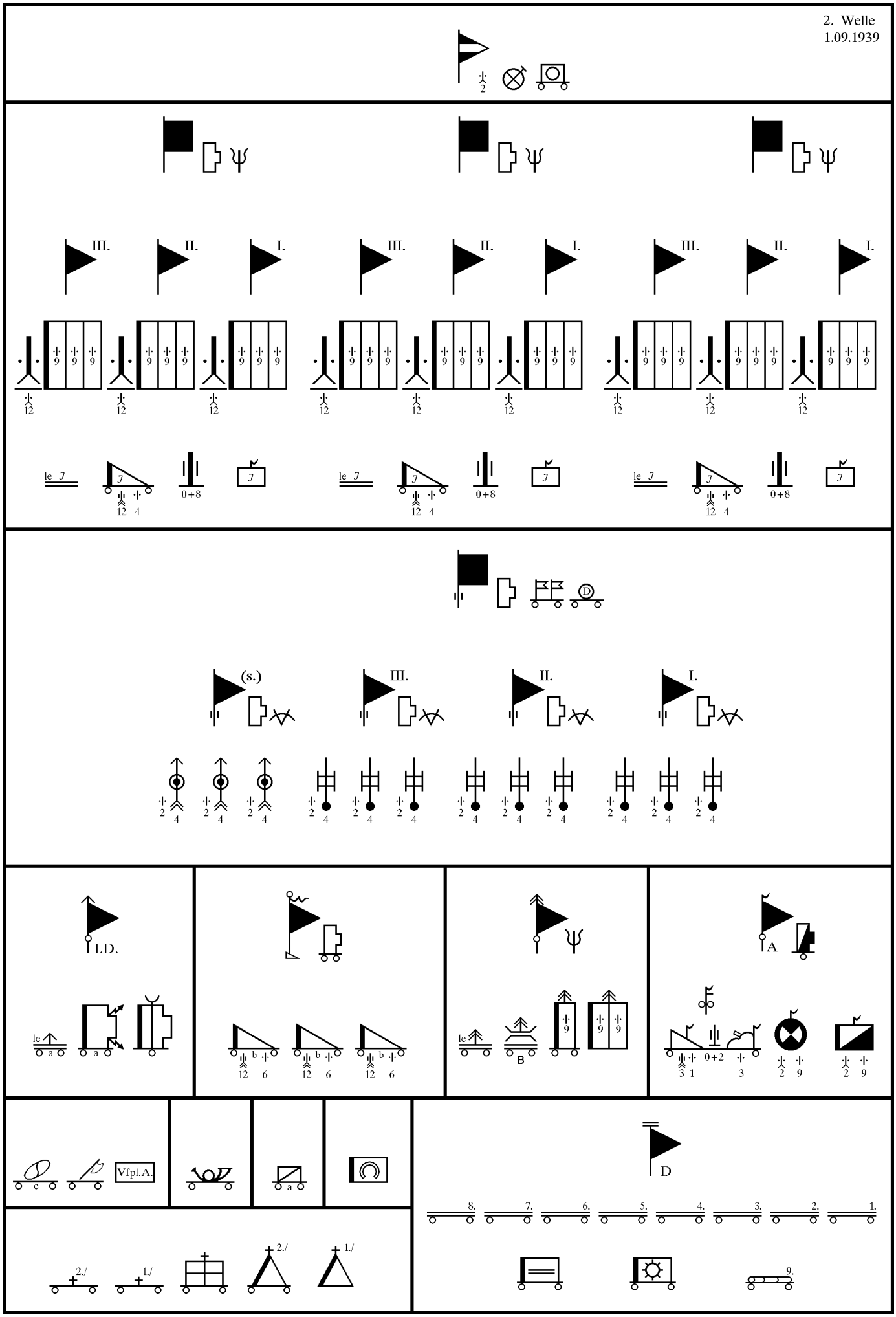


SCHÜTZENFELDERSATZLOMPANIE
Field Repacement Rifle Company

KStN 134(R) – 1.10.1938



2. Welle Infantry Division



Units of the 2. Welle Infantry Divisions

Infantry Division	Welle	Inf. Rgt.	Inf. Rgt.	Inf. Rgt.	Art. Rgt.	Hvy. Art. Bn.	Recon Bn.	Anti-Tank Abt.	Engr Bn.	Signal Bn.	Support Services	Raised	Home WK	Commanded by
52.	2	163	181	205	152	IV./152	152	152	152	152	152	26.08.39	IX	Gen.Maj. Karl Adolf Hollidt
56.	2	171	192	234	156	IV./156	156	156	156	156	156	26.08.39	IV	Gen.Maj. Karl Kriebel
57.	2	179	199	217	157	IV./157	157	157	157	157	157	26.08.39	VII	Gen.Lt. Oskar Blümm
58.	2	154	209	220	158	IV./158	158	158	158	158	158	26.08.39	X	Gen.Lt. Iwan Heunert
61.	2	151	162	176	161	IV./161	161	161	161	161	161	26.08.39	I	Gen.Lt. Siegfried Haenicke
62.	2	164	183	190	162	IV./162	162	162	162	162	162	26.08.39	VIII	Gen.Maj. Walter Keiner
68.	2	169	188	196	168	IV./168	168	168	168	168	168	26.08.39	III	Gen.Maj. Georg Braun
69.	2	159	193	236	169	IV./169	169	169	169	169	169	26.08.39	VI	Gen.Lt. Hermann Tittel
71.	2	191	194	211	171	IV./171	171	171	171	171	171	26.08.39	XI	Gen.Maj. Wolfgang Ziegler
73.	2	170	186	213	173	IV./173	173	173	173	173	173	26.08.39	XIII	Gen.Lt. Friedrich von Rabenau
75.	2	172	202	222	175	IV./175	175	175	175	175	175	26.08.39	II	Gen.Lt. Ernst Hammer
76.	2	178	203	230	176	IV./218	176	176	176	176	176	26.08.39	III	Gen.Lt. Maximilian Angelis
78.	2	195	215	238	178	IV./178	178	178	178	178	178	26.08.39	V	Gen.Lt. Fritz Brand
79.	2	208	212	226	179	IV./179	179	179	179	179	179	26.08.39	XII	Gen.Lt. Karl Strecker
86.	2	167	184	216	186	IV./186	186	186	186	186	186	26.08.39	VI	Gen.Lt. Joachim Witthöft
87.	2	173	185	187	187	IV./187	187	187	187	187	187	26.08.39	IV	Gen.Lt. Bogislav von Studnitz

Gen.Maj. = Generalmajor (US Army equivalent is Brigadier General)
Gen.Lt. = Generalleutnant (US Army equivalent is Major General)
Gen.der Inf. = General der Infanterie (US Army equivalent is Lieutenant General)

Authorized Establishment of the 2nd Welle Infantry Divisions in accordance with the 39/40 Mobilization Plan

	Inf.Div. 2. Welle	57. Inf.Div.	58., 71., 75. Inf.Div.	61. Inf.Div.
Personnel				
Officers	491	471	491	530
Officials (Beamten)	98	98	98	97
Non-Commissioned Officers	2,273	2,159	2,273	2,453
Enlisted Men	12,411	11,718	12,411	13,860
Total Personnel	**15,273**	**14,446**	**15,273**	**16,940**
Animals				
Heavy Draught Horses	913	913	913	869
Light Draught Horses	2,120	1,728	2,120	3,962
Riding Horses	1,821	1,661	1,821	2,103
Total Animals	**4,854**	**4,302**	**4,854**	**6,934**
Non-Motorized Vehicles				
Horse-Drawn Wagons and Carts	823	755	823	1,557
Vehicles (misc.)	41	41	41	37
Motor-Towed Trailers (multi-axle)	7	7	7	2
Motor-Towed Trailers (single-axle)	87	75	87	98
Total Non-Motorized Vehicles	**958**	**878**	**958**	**1,694**
Motor Vehicles				
Personnel Carriers	393	388	393	396
Load Cariers & Prime Movers	509	483	509	297
Armored Vehicles	3	3	3	3
Solo Motorcycles	307	296	307	296
Motorcycles with Sidecars	190	185	190	171
Total Motor Vehicles	**1,402**	**1,355**	**1,402**	**1,163**
Weapons				
Pistols	3,801	3,681	3,801	4,007
Rifles	10,828	10,121	10,828	12,311
Sub-Machine Guns	3	3	3	3
Light Machine Guns	345	345	345	345
Heavy Machine Guns	114	114	114	114
20mm Anti-Aircraft Guns	–	–	–	12
37mm Anti-Tank Guns	75	63	75	75
50mm Light Mortars	–	–	3	–
81mm Medium Mortars	–	–	–	–
75mm Light Infantry Guns	26	26	26	26
150mm Heavy Infantry Guns	–	–	–	–
105mm Light Field Howitzers	36	24	36	36
150mm Heavy Field Howitzers	12	8	12	12

NOTES:

The standard 2nd Welle Infanterie-Division were: 52., 56., 62., 69., 73., 78., 79., 86., 87.

Deviating from the norm were:

The 57. Infanterie-Division (Reich):
only 2 antitank companies;
all four artillery battalions had only two batteries.
Note that this division was not indicated as deviating by the Mobilization Plan, so that the figures above might be slightly off as not all KStN are available.

The 58. Infanterie-Division (Reich):
bicycle company had three light mortars, personnel numbers unchanged.

The 68. Infanterie-Division (Reich):
all light field howitzers were le. FH Model 16, not le. FH Model 18.

The 71. Infanterie-Division (Reich):
bicycle company had three light mortars, personnel numbers unchanged.

The 75. Infanterie-Division (Reich):
bicycle company had three light mortars, personnel numbers unchanged.

The 76. Infanterie-Division (Reich):
all light field howitzers were le. FH Model 16, not le. FH Model 18.

In East Prussia, the 61. Infanterie-Division (Ostpreussen):
infantry, artillery, and engineer company trains mainly horse-drawn;
antiaircraft company present in the antitank battalion;
light artillery battalions had one 32-ton horse-drawn transport column each;
heavy artillery battalion had three 18-ton horse-drawn transport columns;
1 motorized and 7 horse-drawn (30-ton) transport columns;
workshop platoon instead of a company;
horse-drawn supply company;
horse-drawn baker company;
only one motor ambulance platoon;
horse-drawn field hospital.

KOMMANDO EINES INFANTERIEDIVISIONS
Headquarters of an Infantry Division

DIVISIONSKOMMANDEUR – *DIVISION COMMANDER*
· Feldgendarmerietrupp – *Military Police Section* [1]

FUHRUNGSABTEILING – *COMMAND GROUP*
Ia Erster Generalstabsoffizier – *Chief of Operations*
· O1 Erster Ordonannzoffizier – *1st Assistant Adjutant*
Ic Dritter Generalstabsoffizier – *Chief Intelligence Officer*
· O3 Dritter Ordonnanzoffizier – *3rd Assistant Adjutant*
· Kradmeldezug – *Motorcycle Messenger Platoon* [1]
· Divisionskartenstelle – *Division Mapping Unit* [1]
Divisions-Artillerieführer – *Division Artillery Officer [Commanding Officer of the Artillery Regiment]*
Divisions-Pionierführer – *Division Pioneer Officer [Commanding Officer of the Engineer Battalion]*
Divisions-Nachrichtenführer – *Division Signal Officer [Commanding Officer of the Signal Battalion]*

QUARTERMEISTER – *QUARTERMASTER*
Ib Zweiter Generalstabsoffizier – *Quartermaster*
· O2 2. Ordonnanzoffizier – *2nd Assistant Adjutant*
· Ib/WuG Waffen- und Geräte-Offizier – *Arms and Equipment Officer*
· Ib/Kfz Kraftfahrzeugoffizier – *Division Motor Pool Officer*
IVa Divisionsintendant – *Division Commissary Officer*
· Divisionskasse – *Division Pay Office*
· Divisions-Verpflegungsamt – *Division Commissary Section*
· Bäkereikompanie – *Baker Company*
· Schlachteriekompanie – *Butcher Company*
IVb Divisionsarzt – *Division Surgeon*
· Sanitätskompanien – *Medical Companies*
· Feldlazarett – *Field Hospital*
· Krankenkraftwagenzüge – *Ambulance Platoons*
· All medical services and medical personnel of the division
IVc Divisionsveterinär – *Division Veterinarian*
· Veterinärkompanie – *Veterinary Company*
· All veterinary services and veterinary personnel of the division
V Divisionsingenieur – *Division Motor Officer*
Feldpostmeister – *Field Postmaster [Postmaster of the Field Post Detachment]*
· Feldpostamt – *Field Post Detachment* [1]
DiNaFü Divisionsnachschubführer – *Chief of Division Supply [Commanding Officer of the Supply Battalion]* [2]
· Nachschubabteilung – *Supply Battalion* [2]
· All ration trains of the division
· All combat trains of the division

ADJUTANTUR – *ADJUTANT'S OFFICE*
IIa Divisionsadjutant – *Division Adjutant*
III Divisionsgericht – *Division Judge Advocate*
IVd Divisionspfarrer – *Division Chaplains*
St.Qu. Kommandant des Stabsquartiers – *Headquarters Commandant*
· Zahlmeister – *Staff Paymaster*
· Verpflegungstross – *Ration Trains*
· Kraftfahrzeugstaffel – *Motor Pool*
• Kraftwagengruppe – *Motor Vehicle Section*
• Kraftfahrzeuginstandsetzungtrupp – *Motor Maintanance Section*
· Infanterie-Stabswache – *Headquarters Guard*

NOTES:

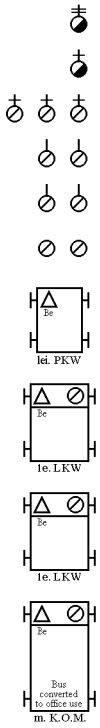
[1] The "independent" Military Police Section, Motorcycle Messenger Platoon, Division Mapping Unit, and Field Post Detachment, (although having their own KStN – see next page), were fully integrated into the division headquarters at all times, and attached to the **St.Qu.** for administration, mess, and supply.

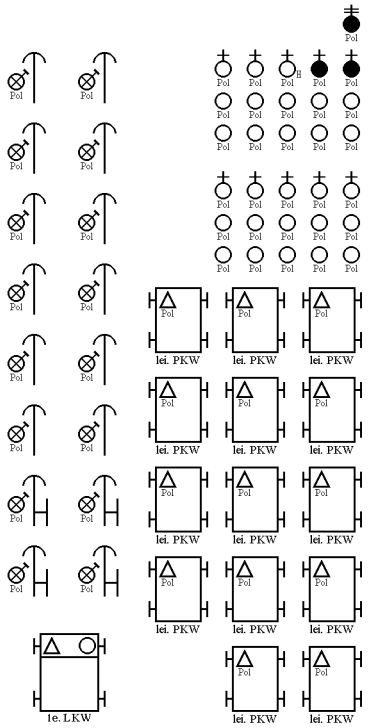
[2] In practice, the staff of the Supply Battalion operated within the division headquarters as the personal staff for the **DiNaFü** as well as the command echelon for the battalion itself.

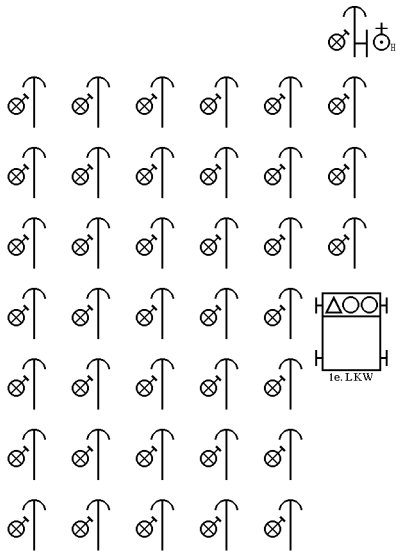
Division Headquarters Strength:
(including, Military Police Section, Motorcycle Messenger Platoon, Division Mapping Unit, and Field Post Detachment)**:**
19 Officers
31 Beamten (including 18 in the Field Post Detachment)
63 Non-Commissioned Officers (including 35 in the Military Police Section)
145 Enlisted Men
6 riding horses
18 personnel carriers
17 load carriers
48 motorcycles
3 motorcycles with side car
2 heavy machine guns

STABSEINHEITEN, INFANTERIEDIVISION (2. Welle)
Headquarters Units, Infantry Division (2nd Welle)

KStN 2251 – 1.04.35	KStN 2033 *) – 1.10.38	KStN 1067 *) – 1.10.38	KStN 2076 *) – 1.10.38
Field Post Office	Military Police Detachment	Motorcycle Messenger Platoon	Divisional Mapping Unit



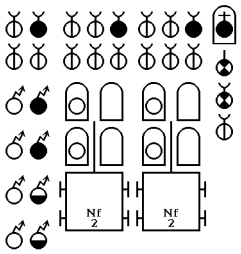




STAB & STABSEINHEITEN, INFANTERIEREGIMENT (Division 2. Welle, Reich)
Headquarters and Headquarters Units, Infantry Regiment (2nd Welle Division, Reich)

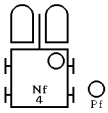
KStN 221 – 1.11.37

Signal Platoon



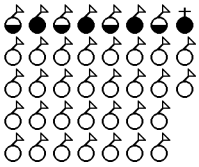
2 medium Telephone Sections a
1 light Telephone Section a
4 Pack Radio Sections d

Platoon Trains

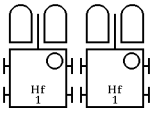


KStN 298 *) – 1.11.38

Band



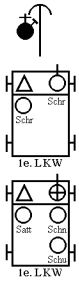
Band Trains



KStN 101(R) – 1.11.37

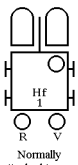
Regimental Headquarters

Baggage Trains



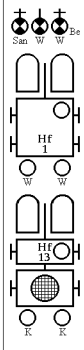
Also provides transport for the Regimental Infantry Gun Company

Provisions Trains

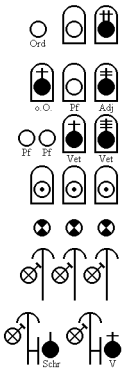


Normally attached to one of the Battalion Provisions Trains

Combat Trains

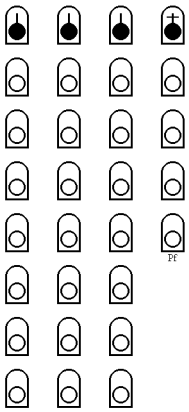


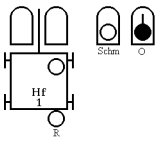
Headquarters



INFANTERIE-REITERZUG (Division 1. Welle, Reich)
Infantry Horse Platoon (1st Welle Division, Reich)

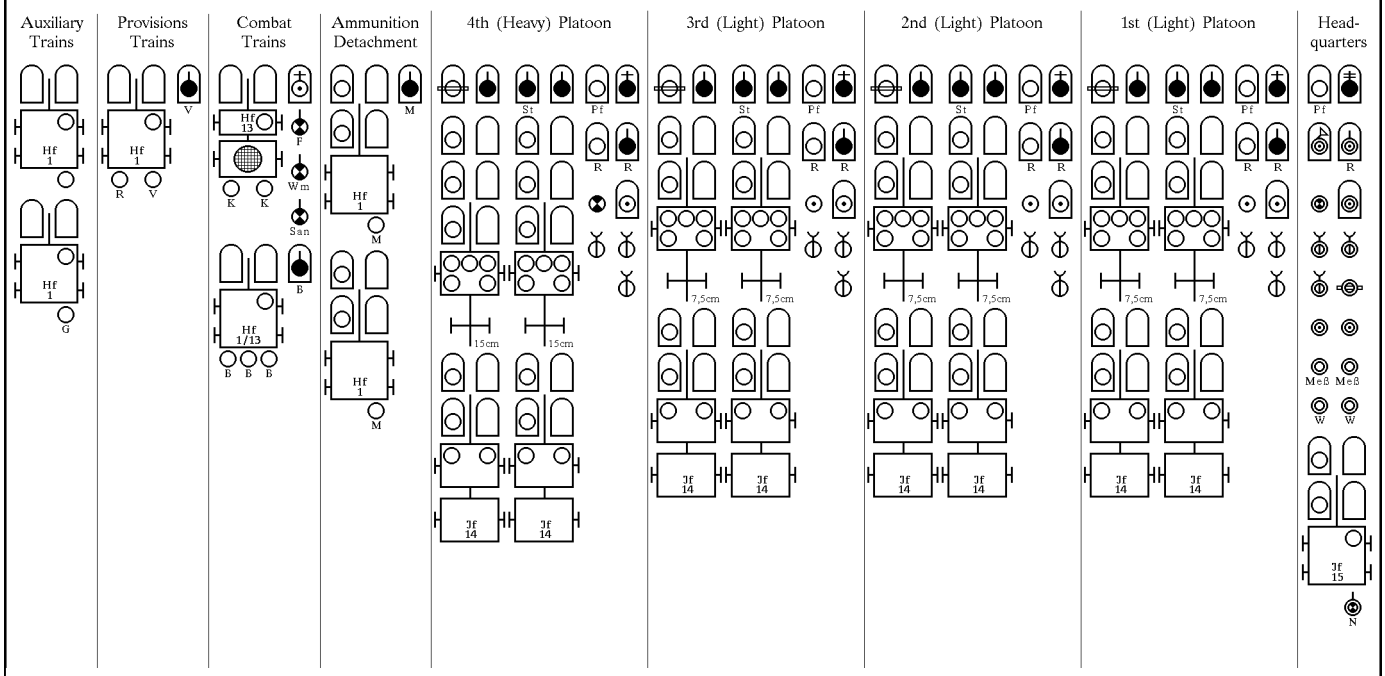
KStN 181 – 1.10.1937





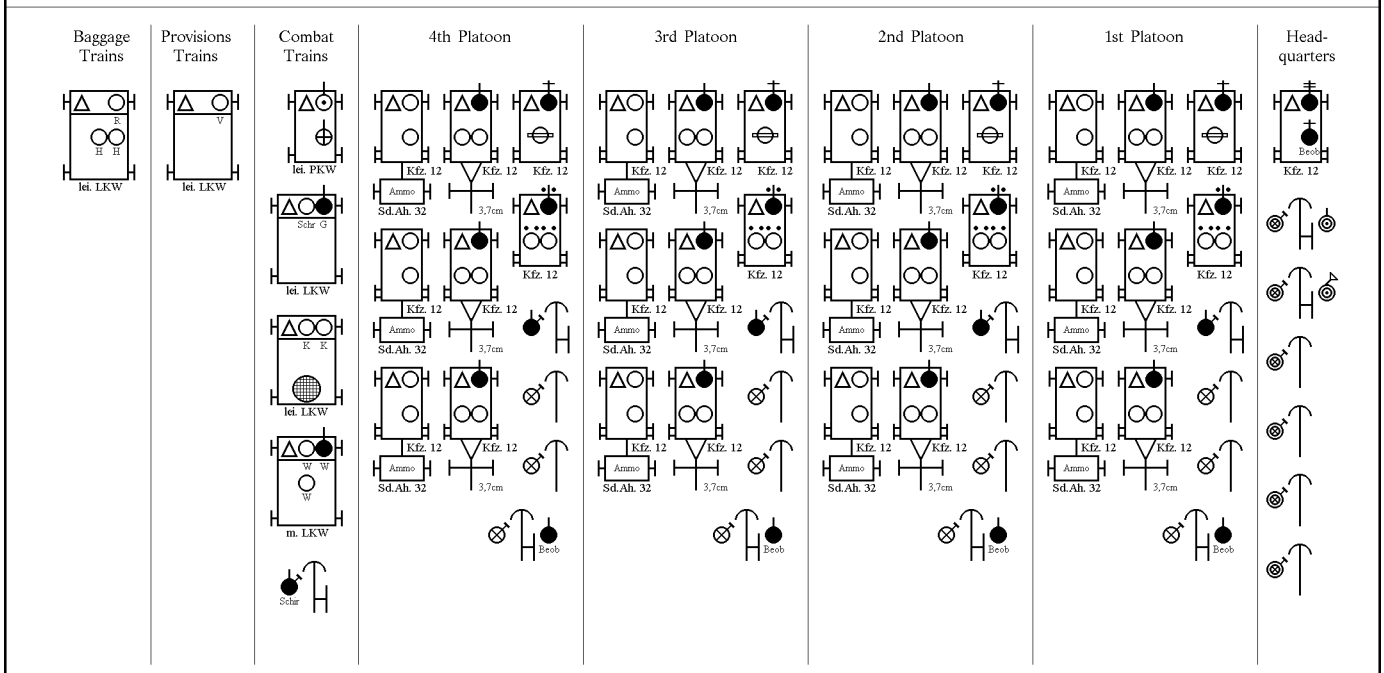
INFANTERIEGESCHÜTZKOMPANIE (Division 2. Welle, Reich)
Infantry Gun Company (2nd Welle Division, Reich)

KStN 171 – 1.10.1937



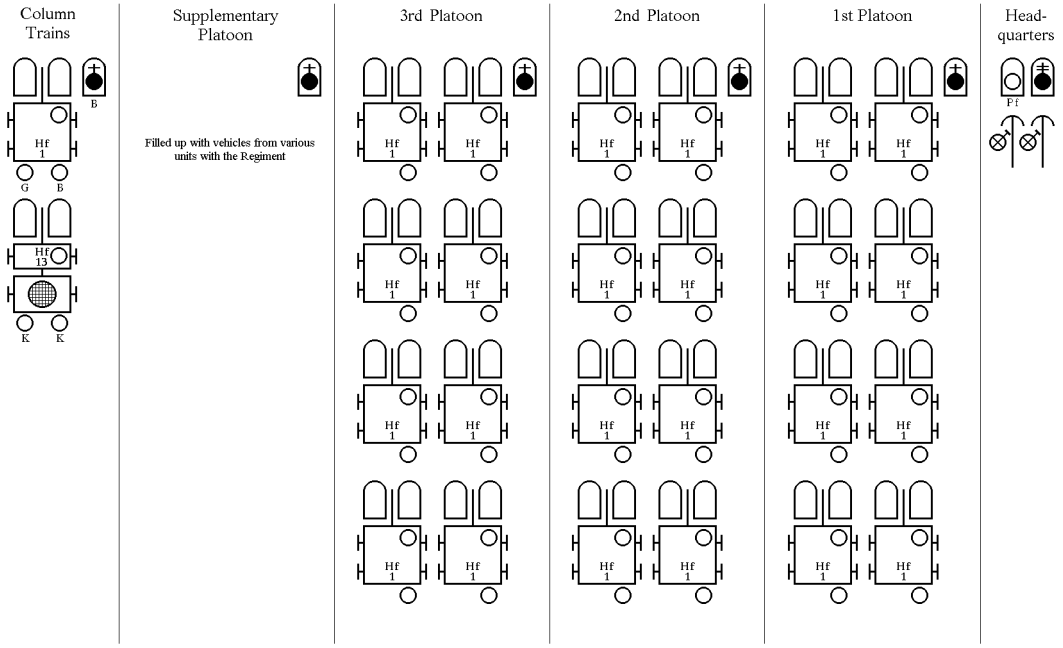
INFANTERIEPANZERABWEHRKOMPANIE (motorisierter Zug) (Division 2. Welle, Reich)
Motor Towed Infantry Antitank Company (2nd Welle Division, Reich)

KStN 184 – 1.10.1937



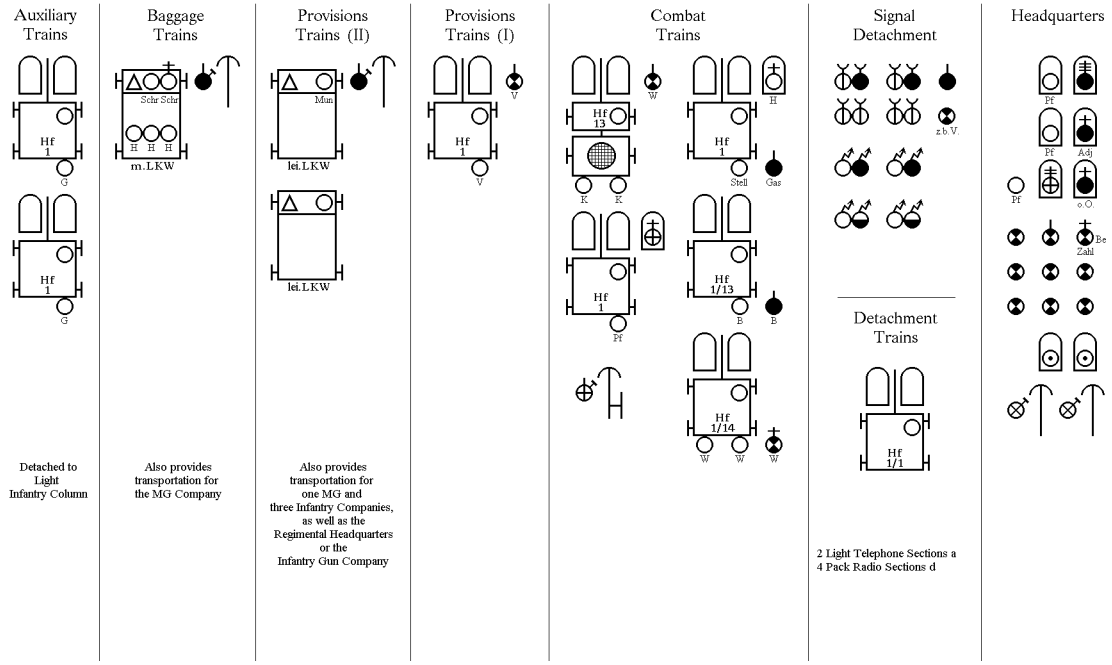
LEICHTE INFANTERIEKOLONNE (Division 2. Welle, Reich)
Light Infantry Column (2nd Welle Division, Reich)

KStN 201 – 1.10.1937



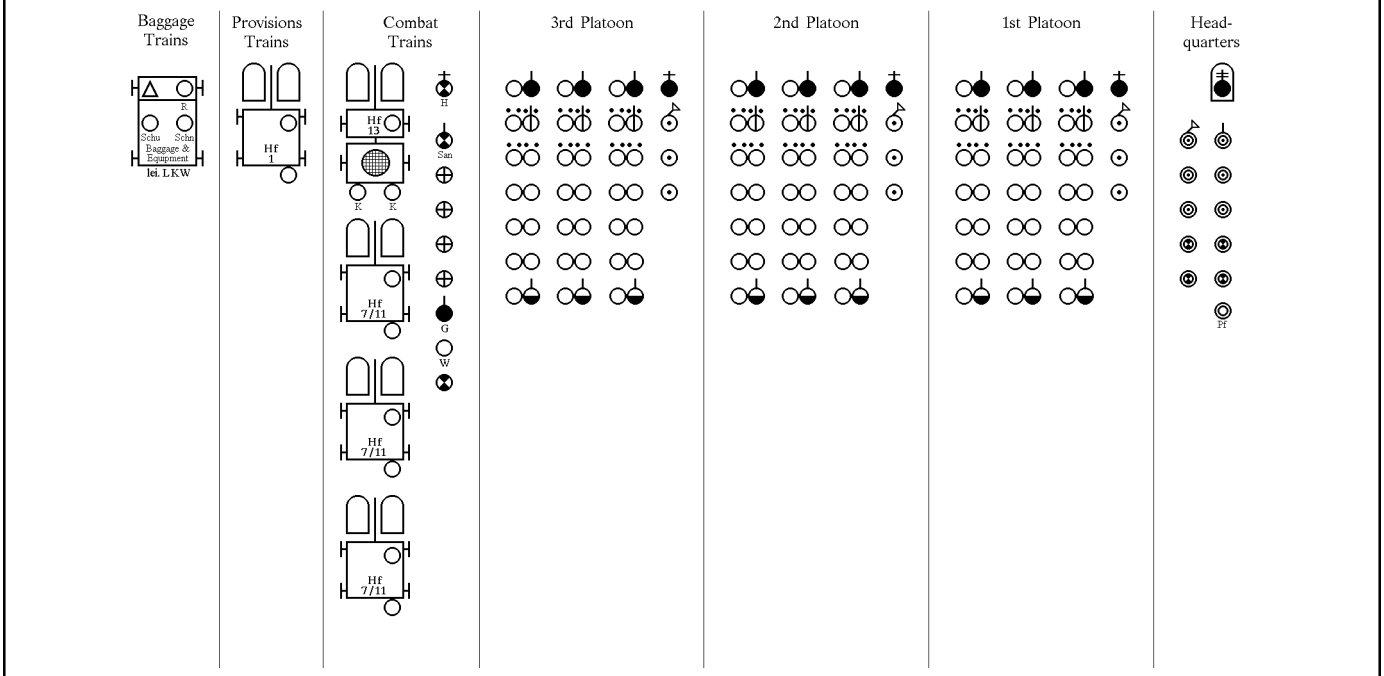
STAB EINES INFANTERIEBATAILLONS (Division 2. Welle, Reich)
Headquarters, Infantry Battalion (2nd Welle Division, Reich)

KStN 111 (R) – 1.10.1937



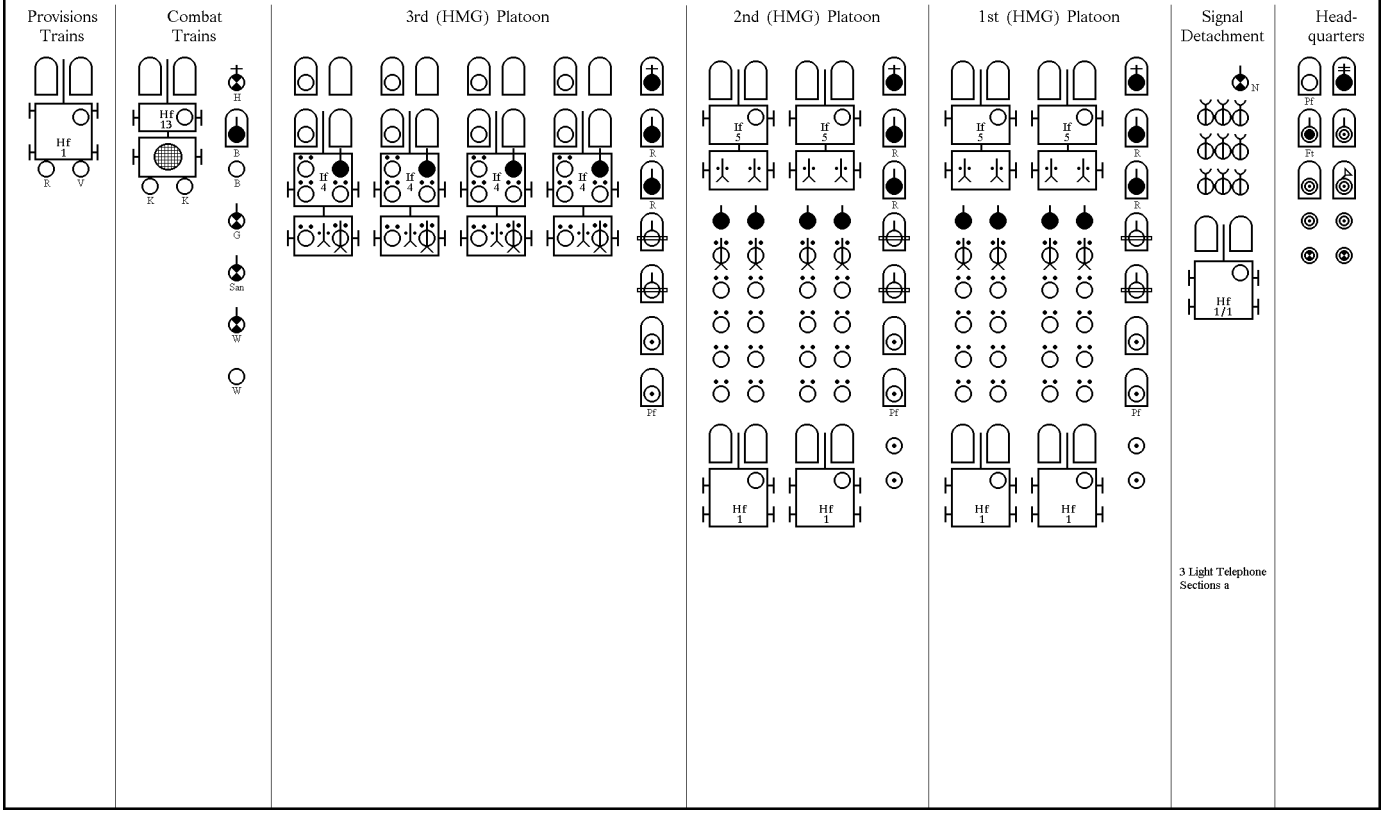
SCHÜTZENKOMPANIE a (Division 2. Welle, Reich)
Rifle Company Type a (2nd Welle Division, Reich)

KStN 131a (R) – 1.10.1937



MASCHINENGEWEHRKOMPANIE a (Division 2. Welle, Reich)
Machine Gun Company Type a (2nd Welle Division, Reich)

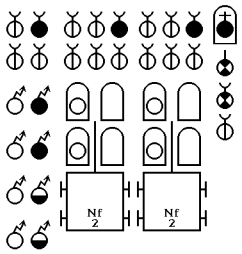
KStN 151a – 1.10.1937



STAB & STABSEINHEITEN, INFANTERIEREGIMENT (Division 2. Welle, Ostpreussen)
Headquarters and Headquarters Units, Infantry Regiment (2nd Welle Division, East Prussia)

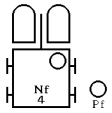
KStN 221 – 1.11.37

Signal Platoon



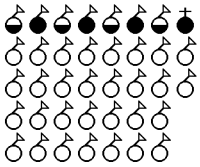
2 medium Telephone Sections a
1 light Telephone Section a
4 Pack Radio Sections d

Platoon Trains

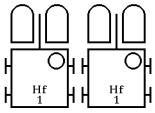


KStN 298 *) – 1.11.38

Band



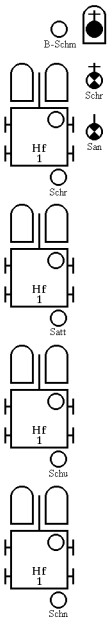
Band Trains



KStN 101(O) – 1.11.37

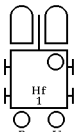
Regimental Headquarters

Baggage Trains



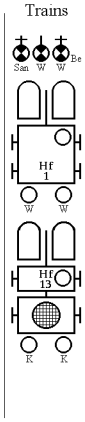
Also provides transport for the Regimental Infantry Gun Company

Provisions Trains

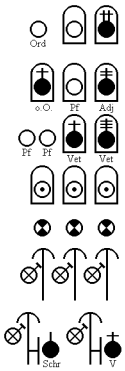


Normally attached to one of the Battalion Provisions Trains

Combat Trains

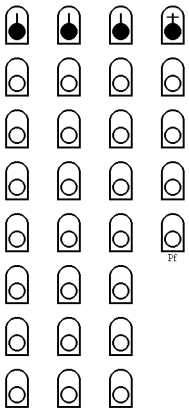


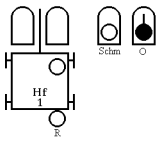
Headquarters



INFANTERIE-REITERZUG (Division 1. Welle, Reich)
Infantry Horse Platoon (1st Welle Division, Reich)

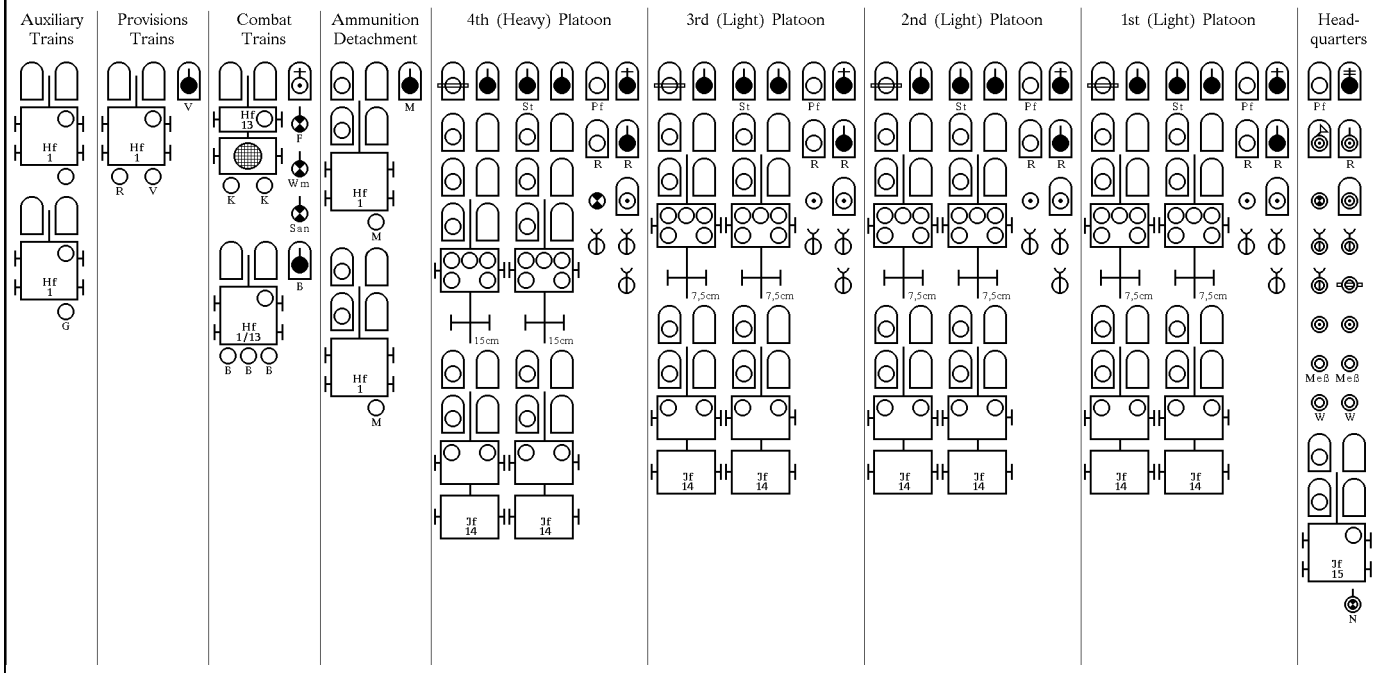
KStN 181 – 1.10.1937





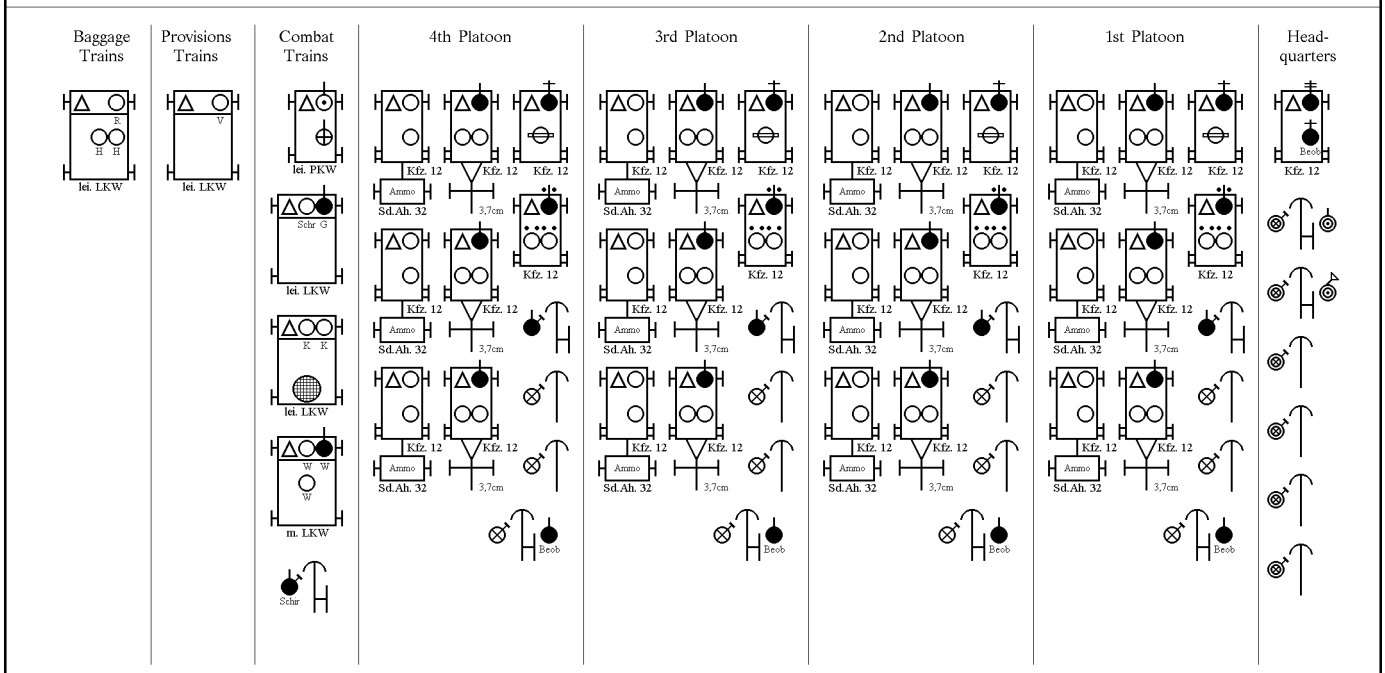
INFANTERIEGESCHÜTZKOMPANIE (Division 2. Welle, Ostpreussen)
Infantry Gun Company (2nd Welle Division, East Prussia)

KStN 171 – 1.10.1937



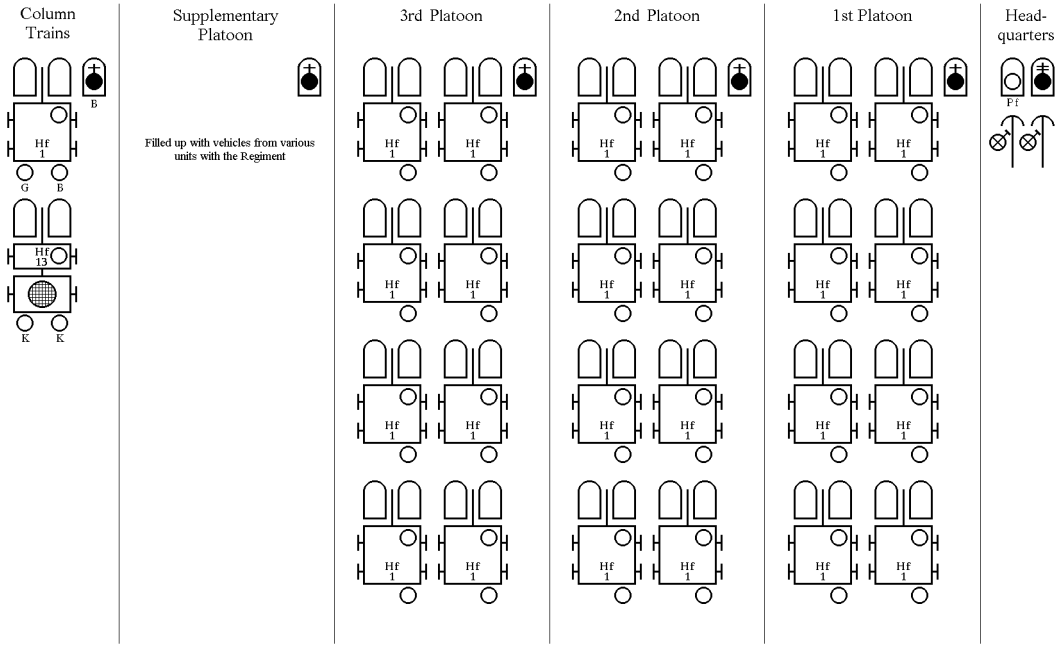
INFANTERIEPANZERABWEHRKOMPANIE (motorisierter Zug) (Division 2. Welle, Ostpreussen)
Motor Towed Infantry Antitank Company (2nd Welle Division, East Prussia)

KStN 184 – 1.10.1937



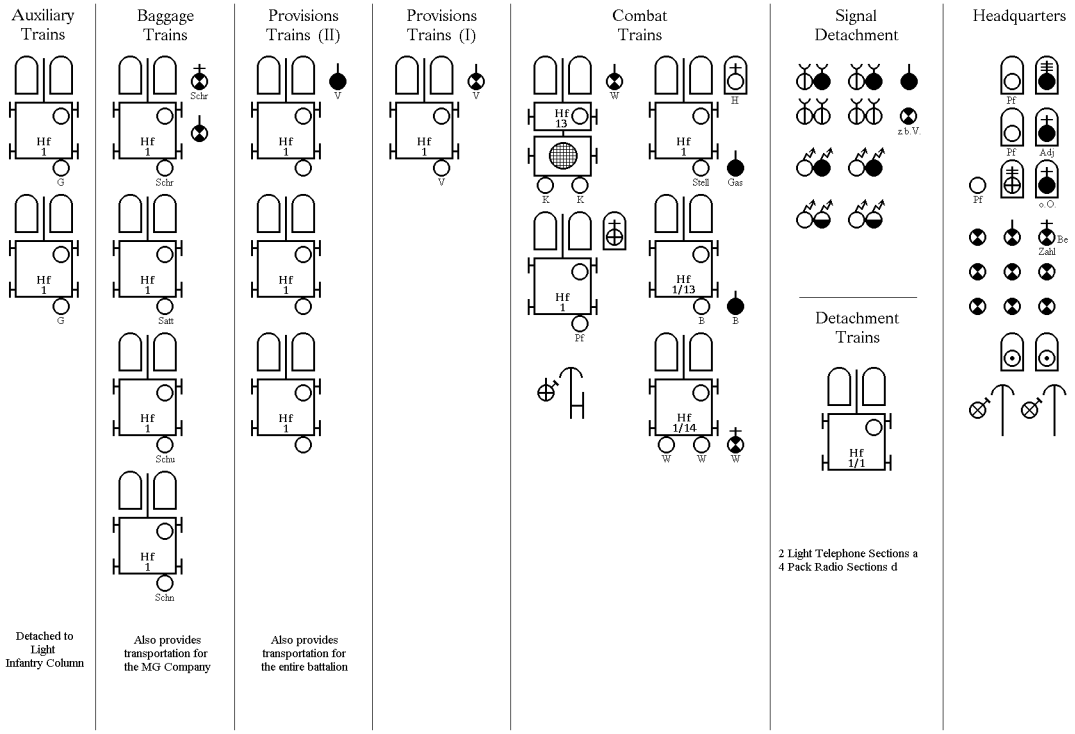
LEICHTE INFANTERIEKOLONNE (Division 2. Welle, Ostpreussen)
Light Infantry Column (2nd Welle Division, East Prussia)

KStN 201 – 1.10.1937



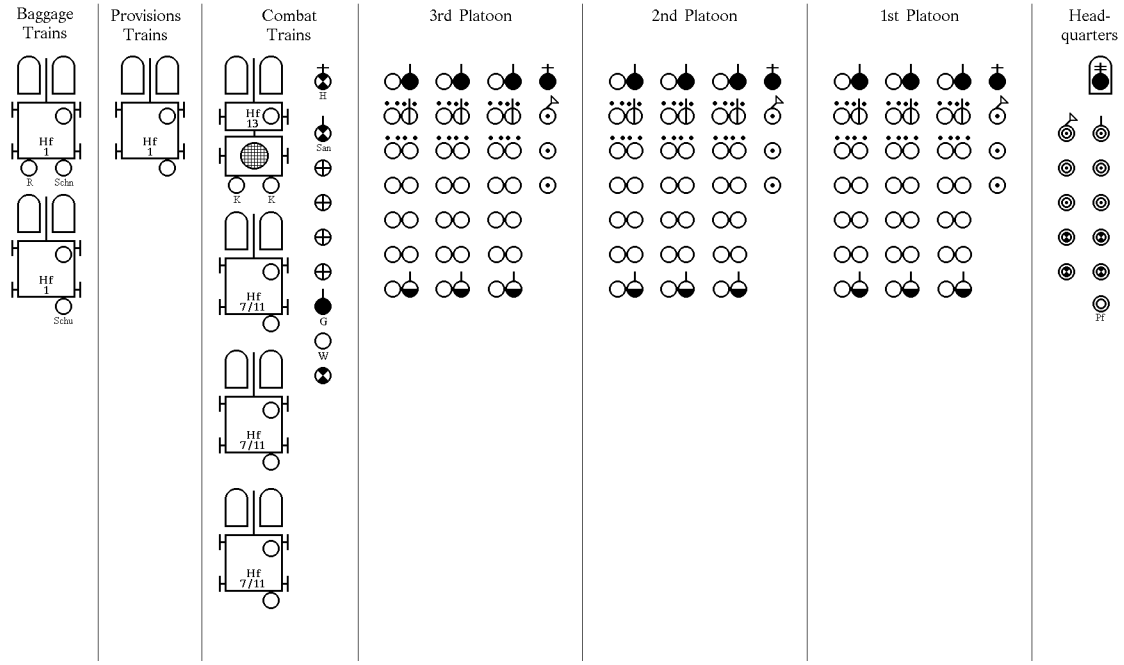
STAB EINES INFANTERIEBATAILLONS (Division 2. Welle, Ostpreussen)
Headquarters, Infantry Battalion (2nd Welle Division, East Prussia)

KStN 111 (O) – 1.10.1937



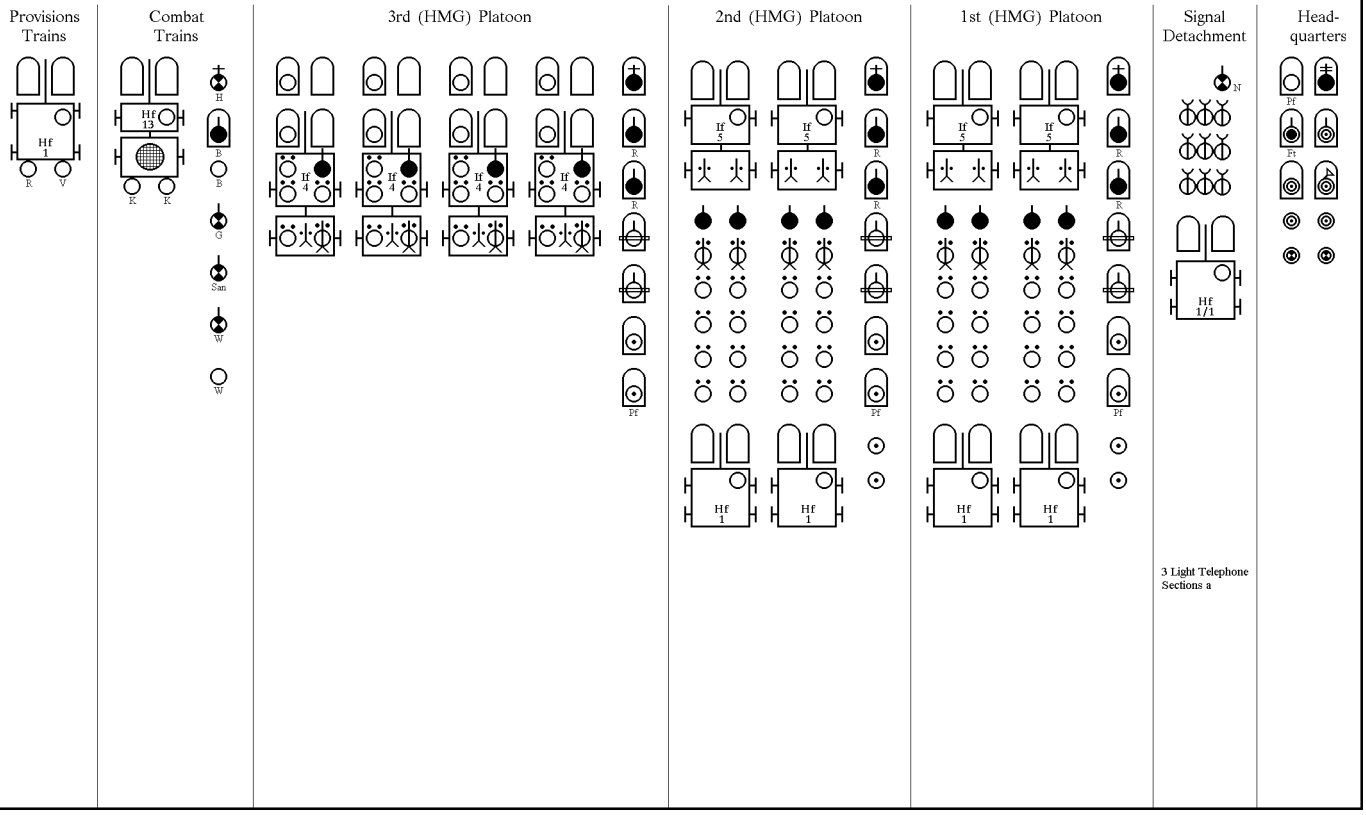
SCHUTZENKOMPANIE a (Division 2. Welle, Ostpreussen)
Rifle Company Type a (1st Welle Division, East Prussia)

KStN 131a (O) – 1.10.1937



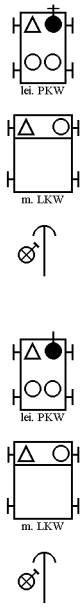
MASCHINENGEWEHRKOMPANIE a (Division 2. Welle, Ostpreussen)
Machine Gun Company Type a (2nd Welle Division, East Prussia)

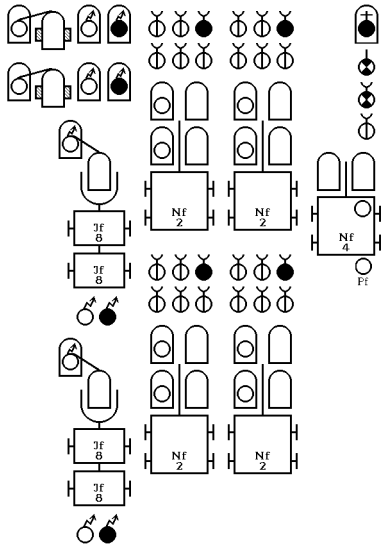
KStN 151a – 1.10.1937



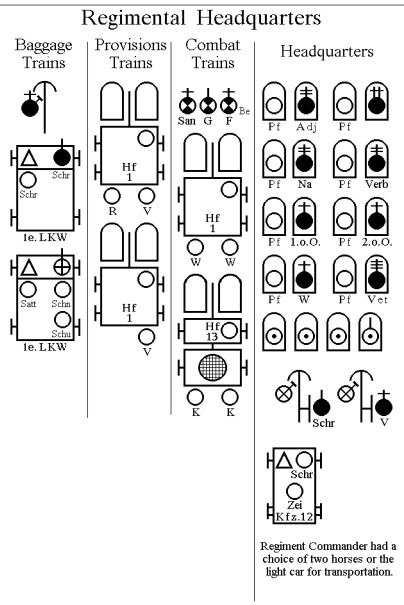
STAB & STABSEINHEITEN, ARTILLERIEREGIMENT (Division 2. Welle, Reich)
Headquarters and Headquarters Units, Artillery Regiment (2nd Welle Division, Reich)

KStN 527 *) – 1.12.1934	KStN 538 *) – 1.10.1936	KStN 551 *) – 1.11.37	KStN 401*) – 1.11.37
Printing Section	Weather Platoon	Signal Platoon	Regimental Headquarters





4 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
2 Pack Radio Sections f

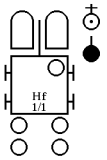


Regiment Commander had a choice of two horses or the light car for transportation.

LEICHTE ARTILLERIE-ABTEILUNG (bespannt) (Division 2. Welle, Reich)
Light Artillery Battalion (horse-drawn) (2nd Welle Division, Reich)

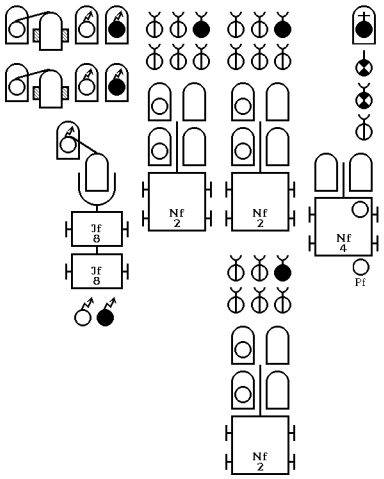
KStN 528 *) – 1.05.33

Calibration Section



KStN 553 *) – 1.10.37

Signal Platoon

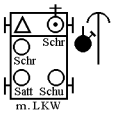


3 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
1 Pack Radio Section f

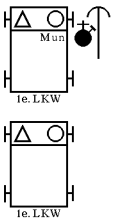
KStN 403 (R) – 1.10.37

Battalion Headquarters

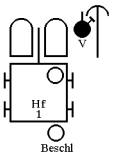
Baggage Trains



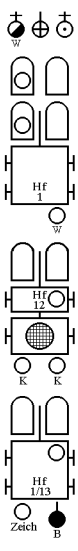
Provisions Trains (II)



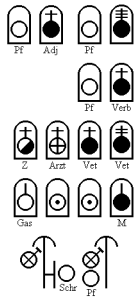
Provisions Trains (I)



Combat Trains



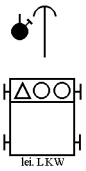
Headquarters



BATTERIE LEICHTE FELDHAUBITZEN (bespannt) (Division 2. Welle, Reich)
Light Field Howitzer Battery (horse-drawn) (2nd Welle Division, Reich)

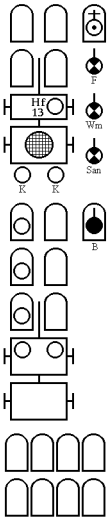
KStN 433 (R) *) – 1.10.1938

Baggage Trains

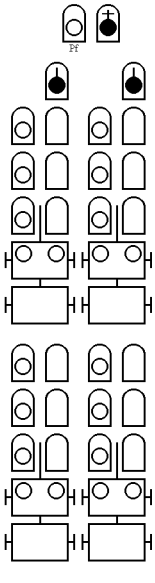


Provisions Trains

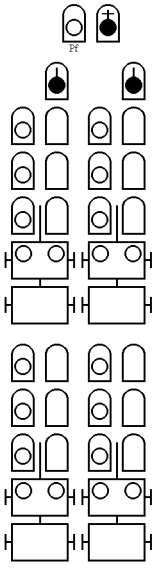
Combat Trains



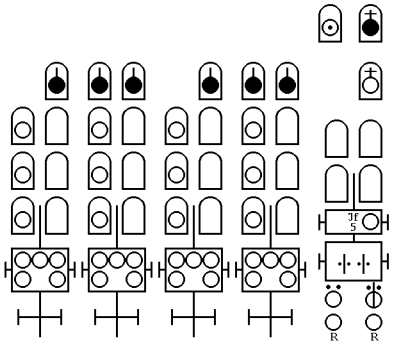
2nd Ammunition Detachment



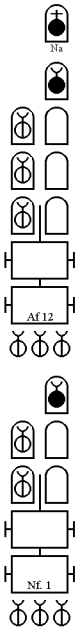
1st Ammunition Detachment



Firing Battery



Signal Detachment

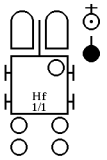


Head-quarters

SCHWERE ARTILLERIE-ABTEILUNG (bespannt) (Division 2. Welle, Reich)
Heavy Artillery Battalion (horse-drawn) (2nd Welle Division, Reich)

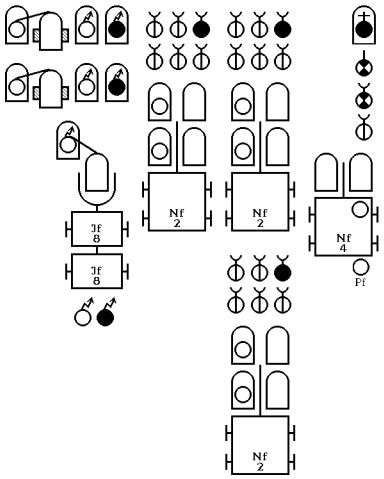
KStN 528 *) – 1.05.1933

Calibration Section



KStN 553 *) – 1.10.1937

Signal Platoon

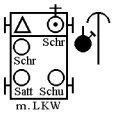


3 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
1 Pack Radio Section f

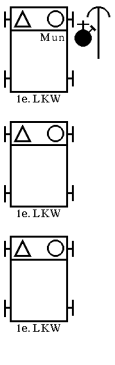
KStN 405 (R) *) – 1.10.1937

Battalion Headquarters

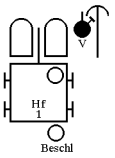
Baggage Trains



Provisions Trains (II)

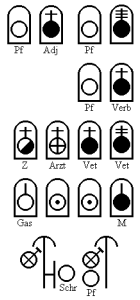


Provisions Trains (I)



Combat Trains

Headquarters



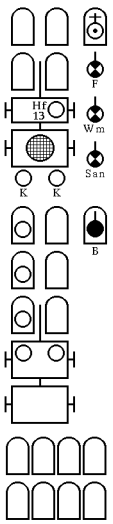
BATTERIE SCHWERE FELDHAUBITZEN (bespannt) (Division 2. Welle, Reich)
Heavy Field Howitzer Battery (horse-drawn) (2nd Welle Division, Reich)

KStN 459 *) – 1.10.1938

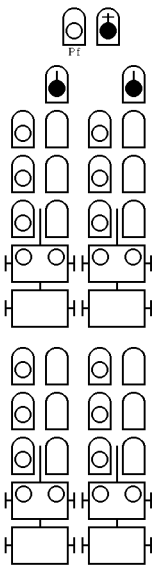
Baggage Trains

Provisions Trains

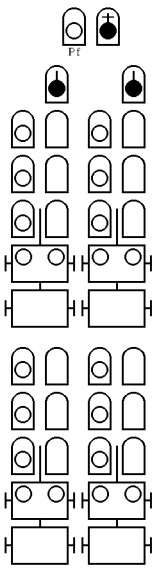
Combat Trains



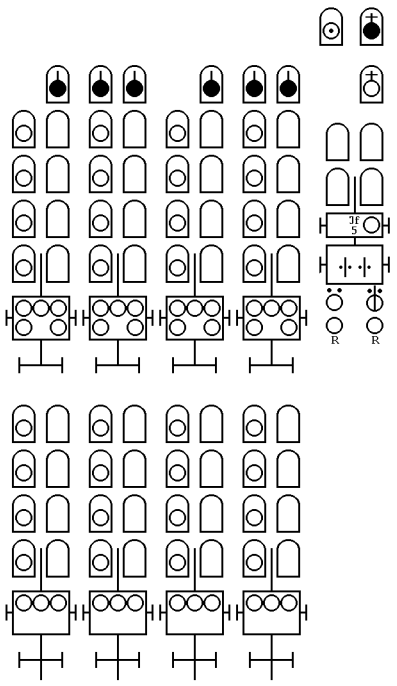
2nd Ammunition Detachment



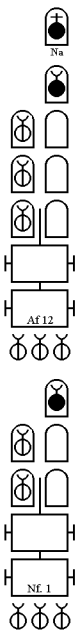
1st Ammunition Detachment



Firing Battery



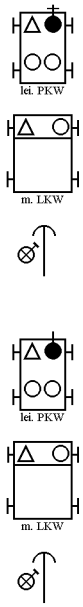
Signal Detachment

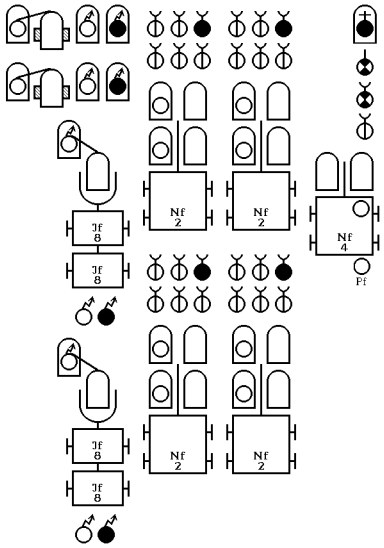


Head-quarters

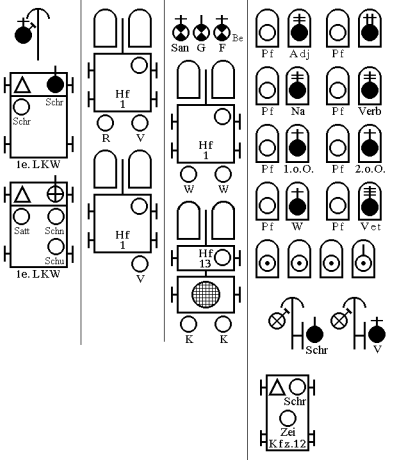
STAB & STABSEINHEITEN, ARTILLERIEREGIMENT (Division 2. Welle, Ostpreußen)
Headquarters and Headquarters Units, Artillery Regiment (2nd Welle Division, East Prussia)

KStN 527 *) – 1.12.1934	KStN 538 *) – 1.10.1936	KStN 551 *) – 1.11.37	KStN 401*) – 1.11.37
Printing Section	Weather Platoon	Signal Platoon	Regimental Headquarters





4 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
2 Pack Radio Sections f

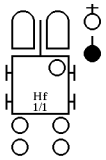


Regiment Commander had a choice of two horses or the light car for transportation.

LEICHTE ARTILLERIE-ABTEILUNG (bespannt) (Division 2. Welle, Ostpreußen)
Light Artillery Battalion (horse-drawn) (2nd Welle Division, East Prussia)

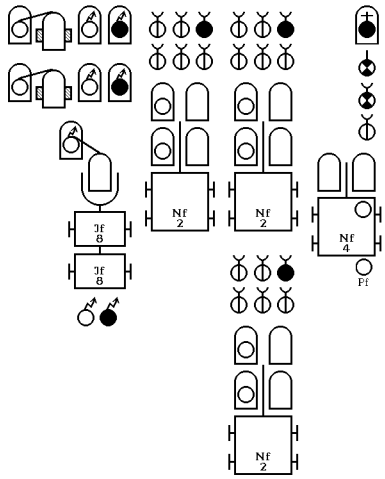
KStN 528 *) – 1.05.1933

Calibration Section



KStN 553 *) – 1.10.1937

Signal Platoon

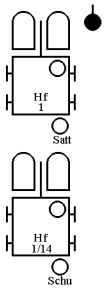


3 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
1 Pack Radio Section f

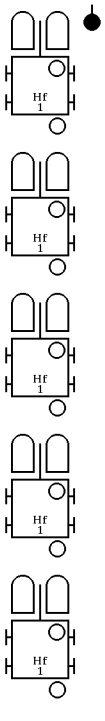
KStN 403 (O) – 1.10.1937

Battalion Headquarters

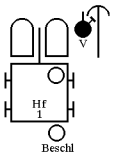
Baggage Trains



Provisions Trains (II)

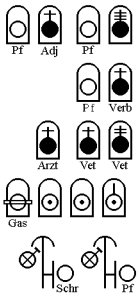


Provisions Trains (I)



Combat Trains

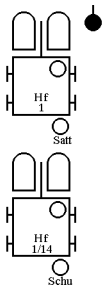
Headquarters



BATTERIE LEICHTE FELDHAUBITZEN (bespannt) (Division 2. Welle, Ostpreßsen)
Light Field Howitzer Battery (horse-drawn) (2nd Welle Division, East Prussia)

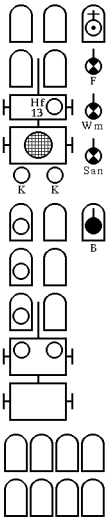
KStN 433 (O) *) – 1.10.1938

Baggage Trains

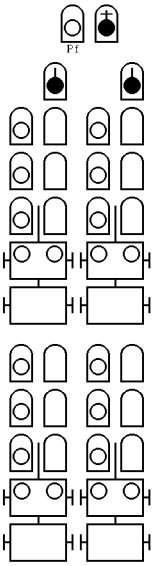


Provisions Trains

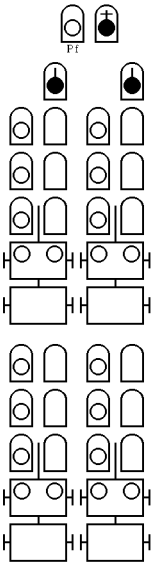
Combat Trains



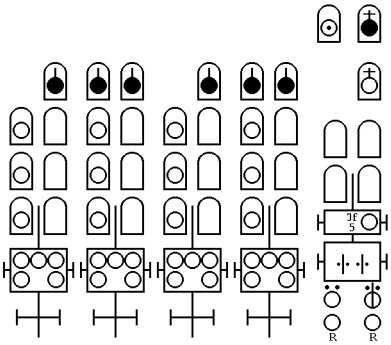
2nd Ammunition Detachment



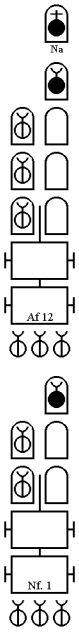
1st Ammunition Detachment



Firing Battery



Signal Detachment

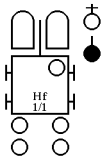


Head-quarters

SCHWERE ARTILLERIE-ABTEILUNG (bespannt) (Division 2. Welle, Ostpreußen)
Heavy Artillery Battalion (horse-drawn) (2ndWelle Division, East Prussia)

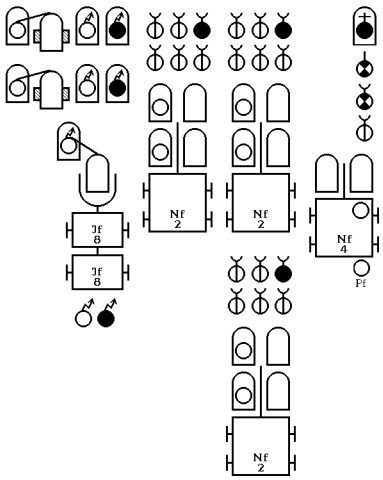
KStN 528 *) – 1.05.1933

Calibration Section



KStN 553 *) – 1.10.1937

Signal Platoon

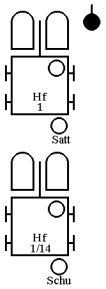


3 medium Telephone Sections b
2 Pack Radio Sections f (mounted)
1 Pack Radio Section f

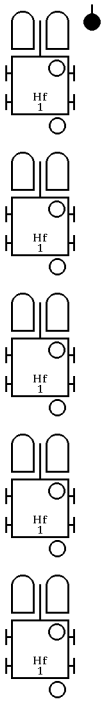
KStN 405 (O) *) – 1.10.1937

Battalion Headquarters

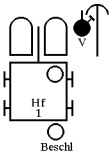
Baggage Trains



Provisions Trains (II)

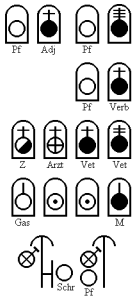


Provisions Trains (I)



Combat Trains

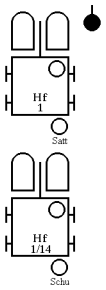
Headquarters



BATTERIE SCHWERE FELDHAUBITZEN (bespannt) (Division 2. Welle, Ostpreßsen)
Heavy Field Howitzer Battery (horse-drawn) (2nd Welle Division, East Prussia)

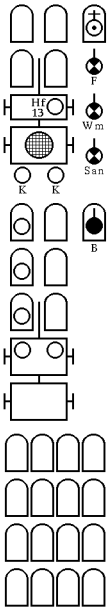
KStN 459 *) – 1.10.1938

Baggage Trains

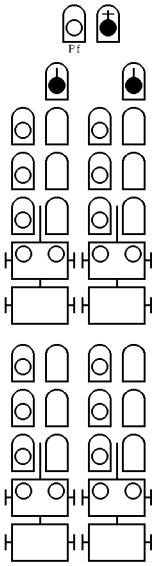


Provisions Trains

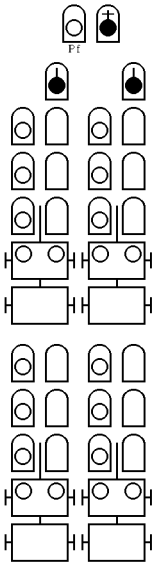
Combat Trains



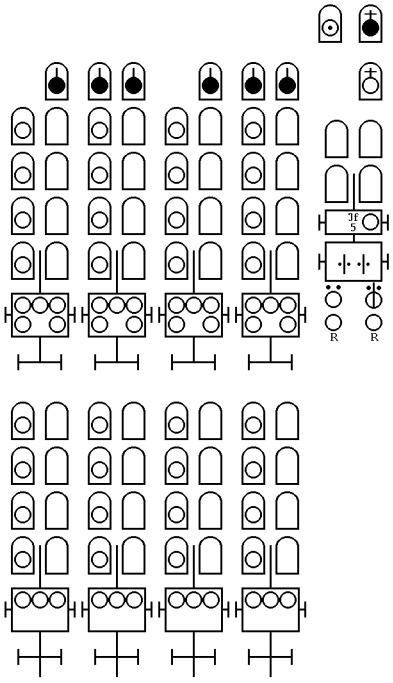
2nd Ammunition Detachment



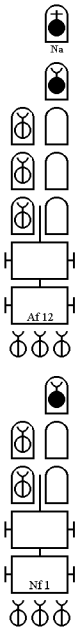
1st Ammunition Detachment



Firing Battery



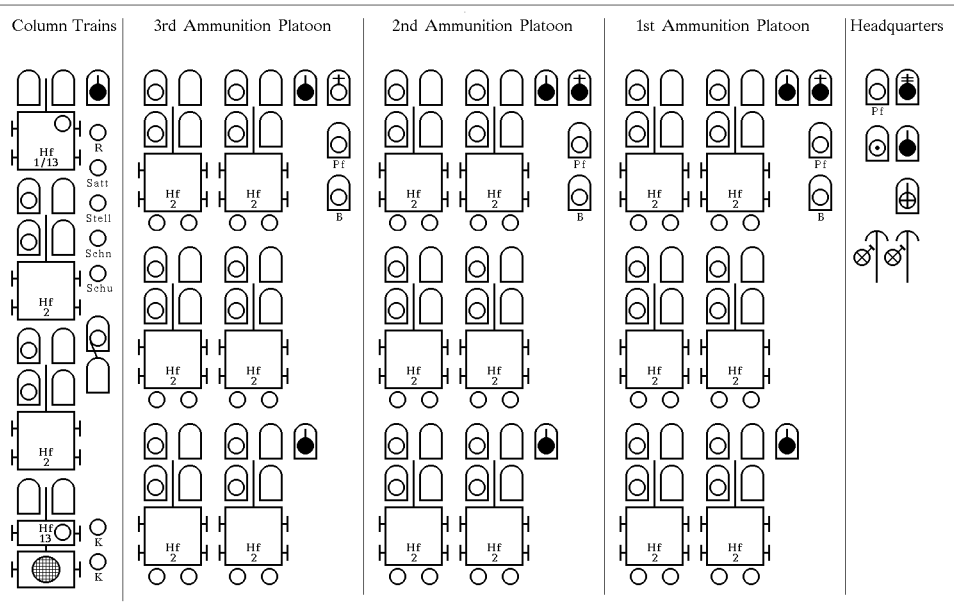
Signal Detachment



Head-quarters

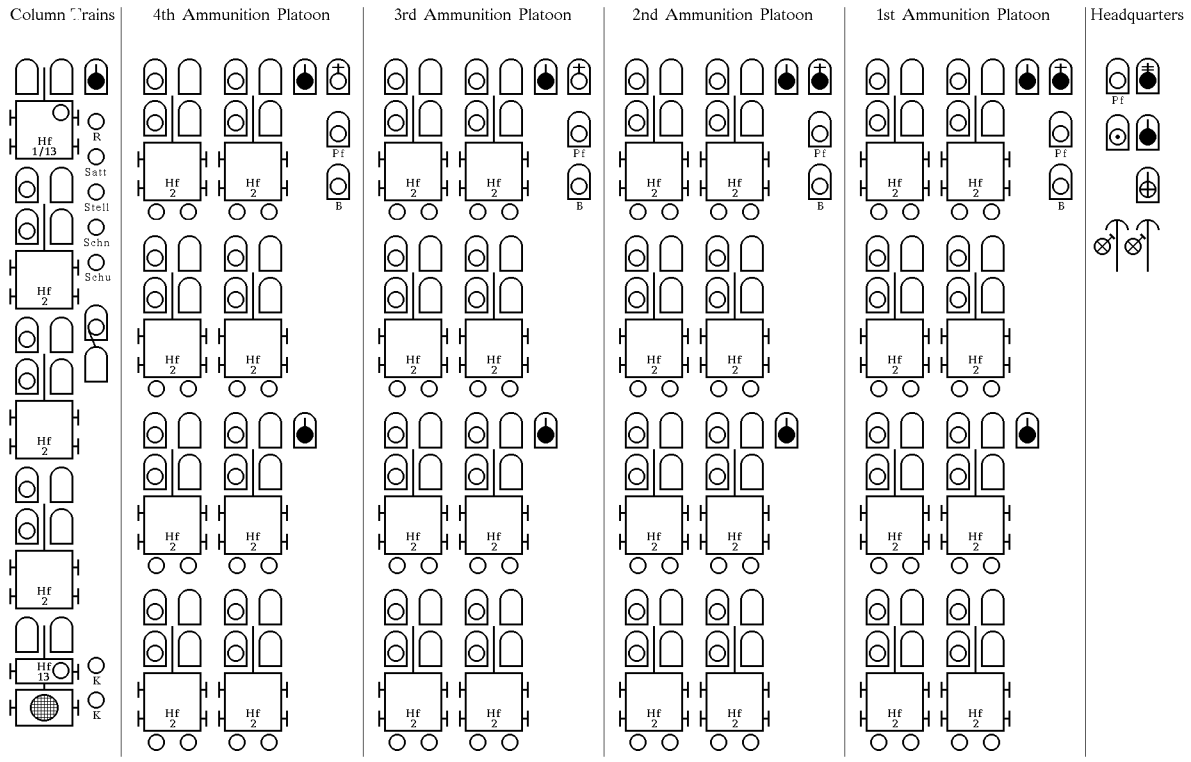
LEICHTEARTILLERIEKOLONNE (18t) (Division 2. Welle, Ostpreussen)
Light Artillery Column (18 tons) (2nd Welle Division, East Prussia)

KStN 505 *) – 1.10.1937



LEICHTEARTILLERIEKOLONNE (32t) (Division 2. Welle, Ostpreussen)
Light Artillery Column (32 tons) (2nd Welle Division, East Prussia)

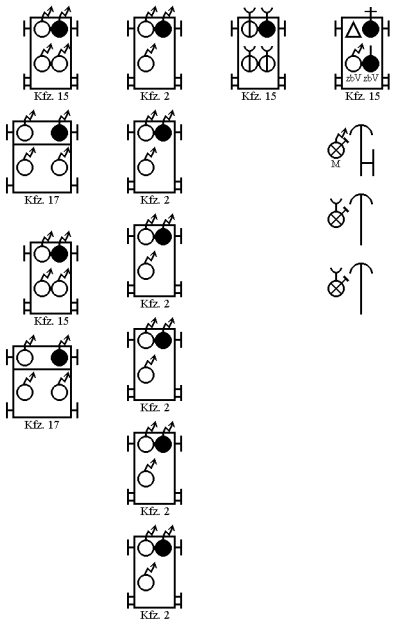
KStN 506 – 1.10.1937



STAB, PANZERABWEHR-ABTEILUNG (motorisiert)
Headquarters, Motorized Antitank Battalion

KStN 1192 *) – 1.10.1937

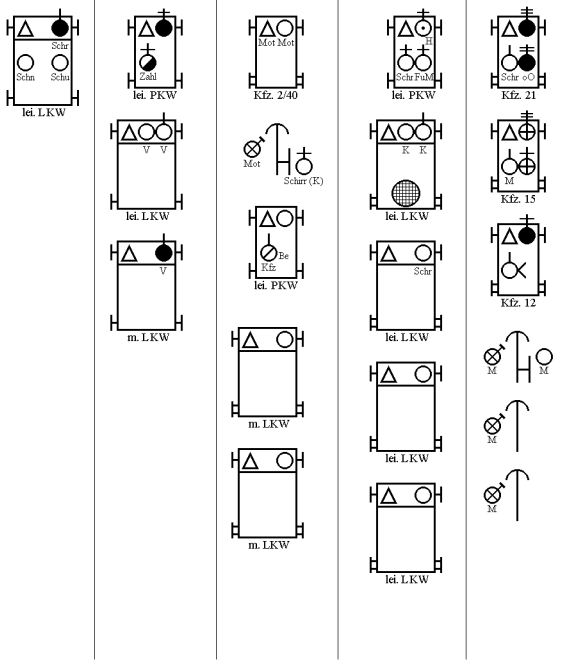
Signal Platoon



1 Light Telephone Section b
6 Pack Radio Sections b
2 Light Radio Sections b

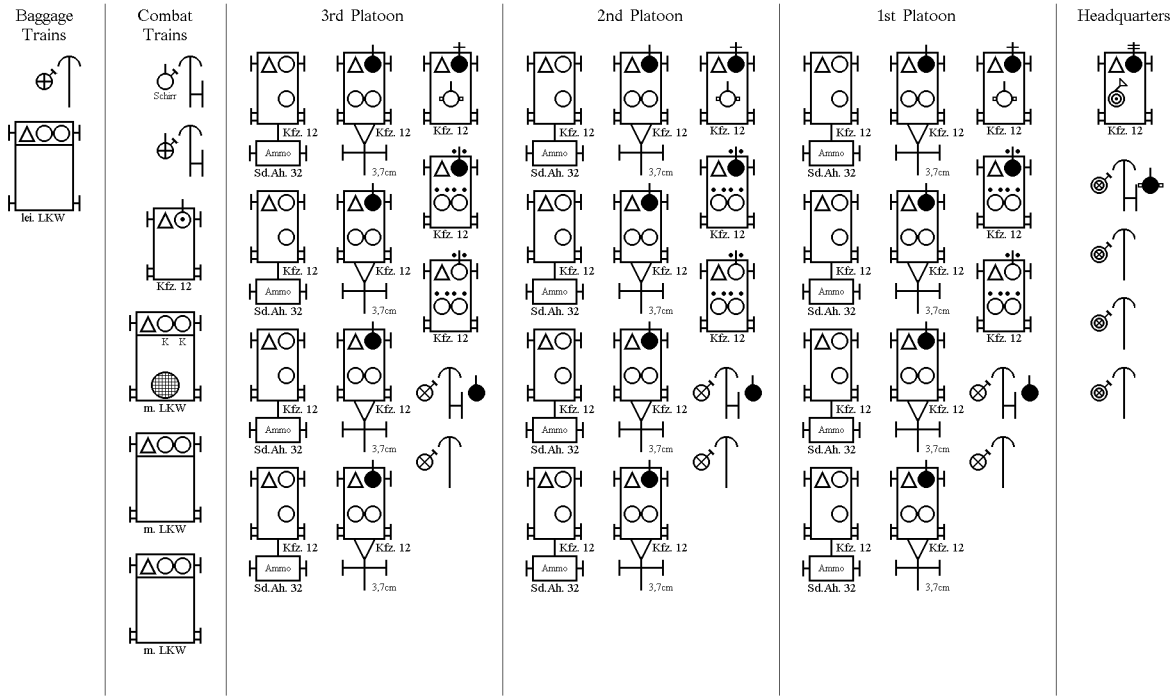
KStN 1106 *) – 1.10.1937

Battalion Headquarters



PANZERABWEHR-KOMPANIE “b” (motorisierter Zug)
Motor Towed Antitank Company Type “b”

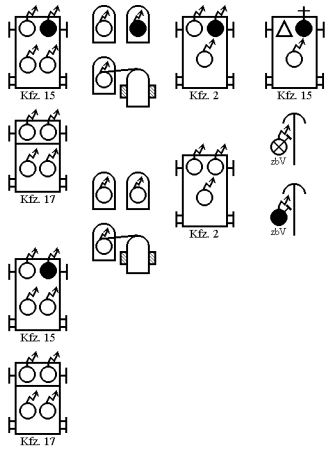
KStN 1143 – 1.10.1937



STAB, AUFKLÄRUNGS-ABTEILUNG (teilmotorisiert)
Headquarters, Semi-Motorized Reconnaissance Battalion

KStN 366 *) – 1.10.1937

Signal Detachment

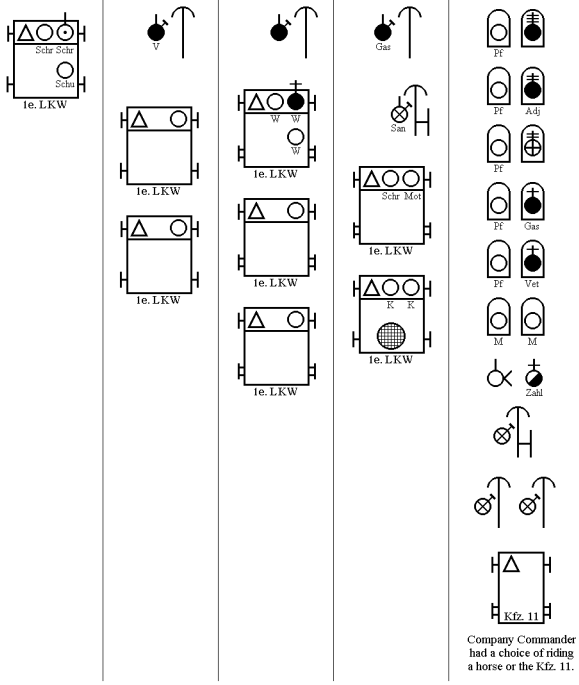


2 Pack Radio Sections b (mot)
2 Pack Radio Sections b (pack)
2 Medium Radio Sections b (mot)

KStN 302 *) – 1.10.1937

Battalion Headquarters

Baggage Trains | Rations Trains | Equipment & Ammunition Detachment | Combat Trains | Headquarters

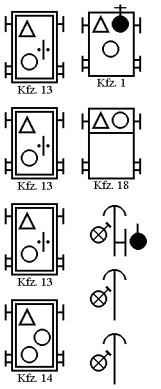


Company Commander had a choice of riding a horse or the Kfz. 11.

SCHWERE AUFKLÄRUNGS-SCHWADRON (motorisiert)
Motorized Heavy Reconnaissance Company

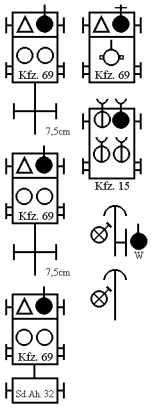
KStN 371 *) – 1.10.1938

Cavalry
Scout Car Section



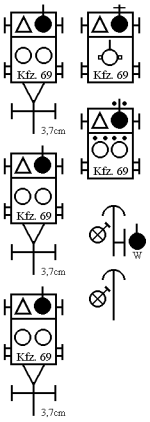
KStN 343 *) – 1.10.1937

Cavalry
Gun Platoon



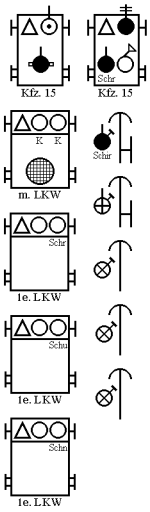
KStN 341 *) – 1.10.1937

Cavalry
Antitank Platoon



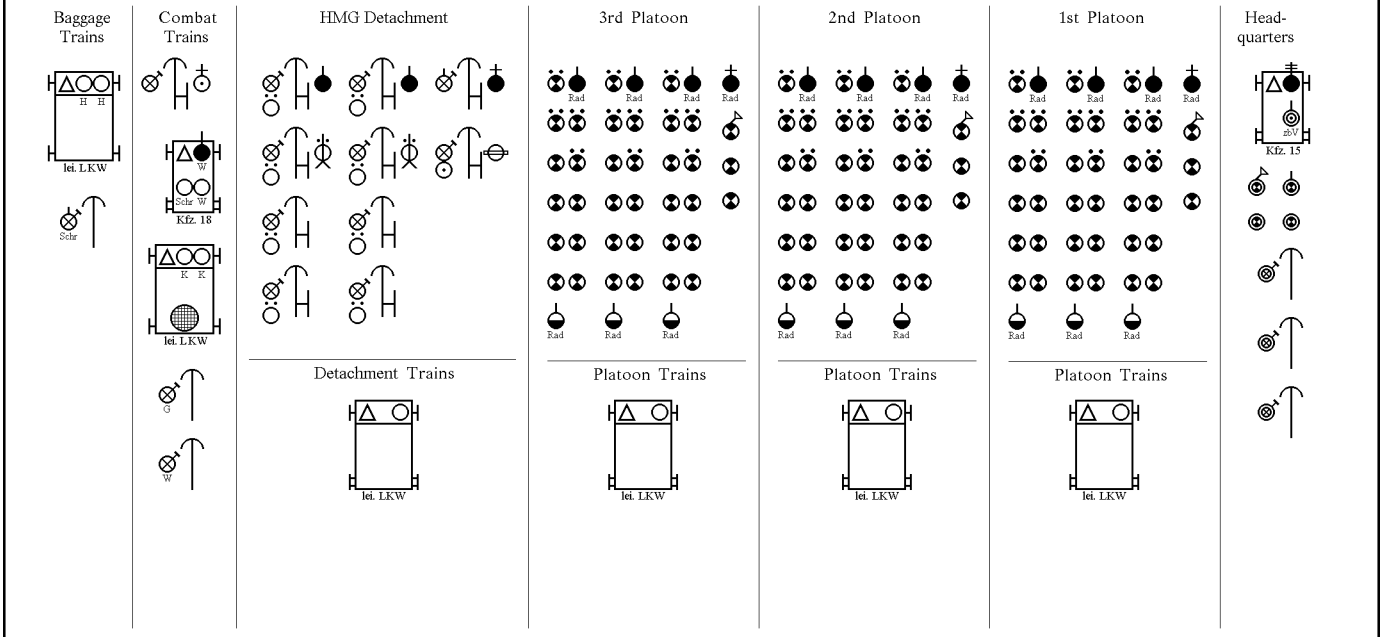
KStN 323 *) – 1.10.1937

Cavalry Heavy Company
Headquarters Detachment



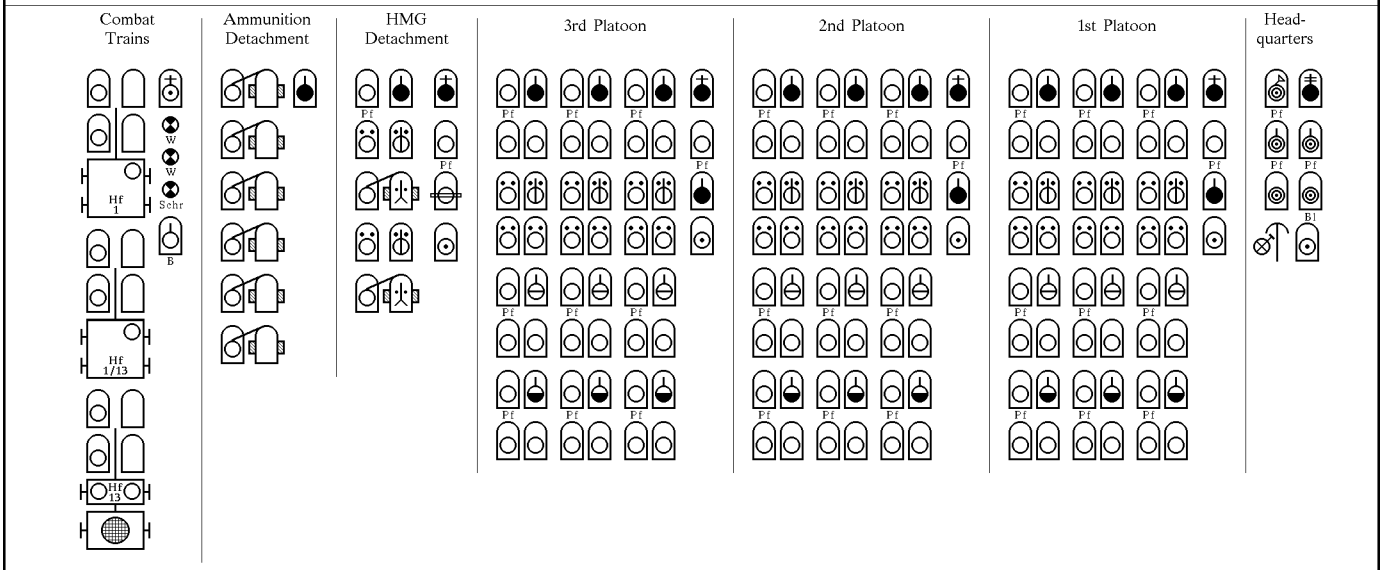
RADFAHRSCHWADRON / AUFKLÄRUNGSABTEILUNG (teilmotorisiert)
Bicycle Company / Semi-Motorized Reconnaissance Battalion

KStN 353 *) – 1.10.1937



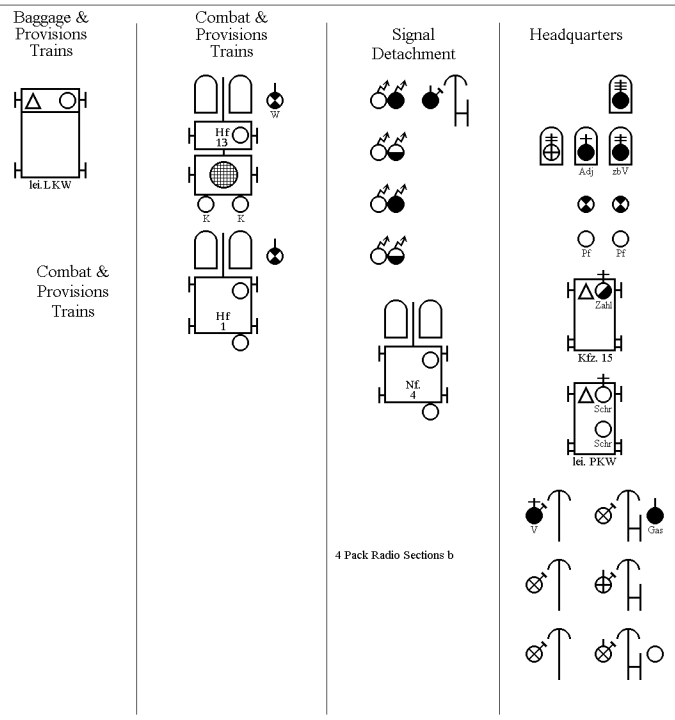
REITERSCHWADRON / AUFKLÄRUNGSABTEILUNG (teilmotorisiert)
Cavalry Company / Semi-Motorized Reconnaissance Battalion

KStN 312 *) – 1.10.1937



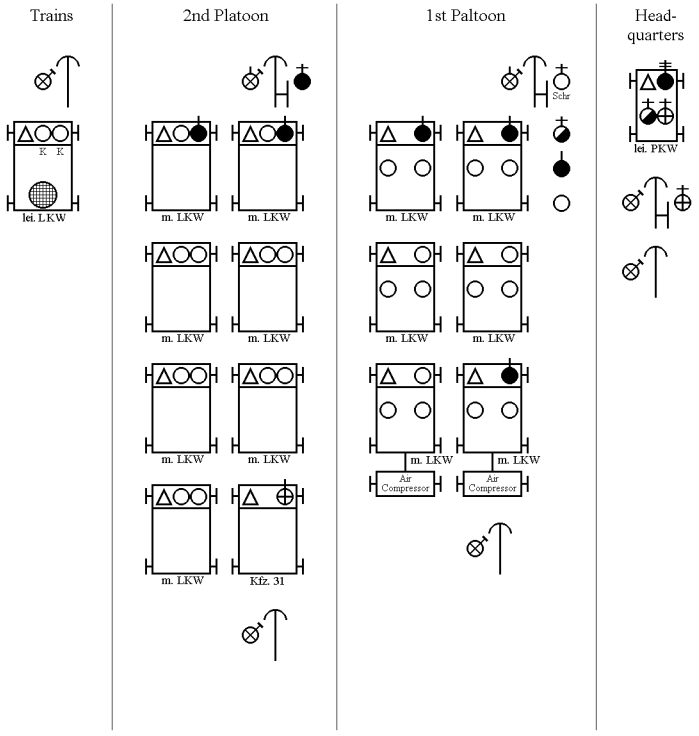
STAB & STABSEINHEITEN, PIONIERBATAILLON (teilmotorisiert)
Headquarters & Headquarters Units, Semi-Motorized Combat Engineer Battalion

KStN 702 – 1.10.1937



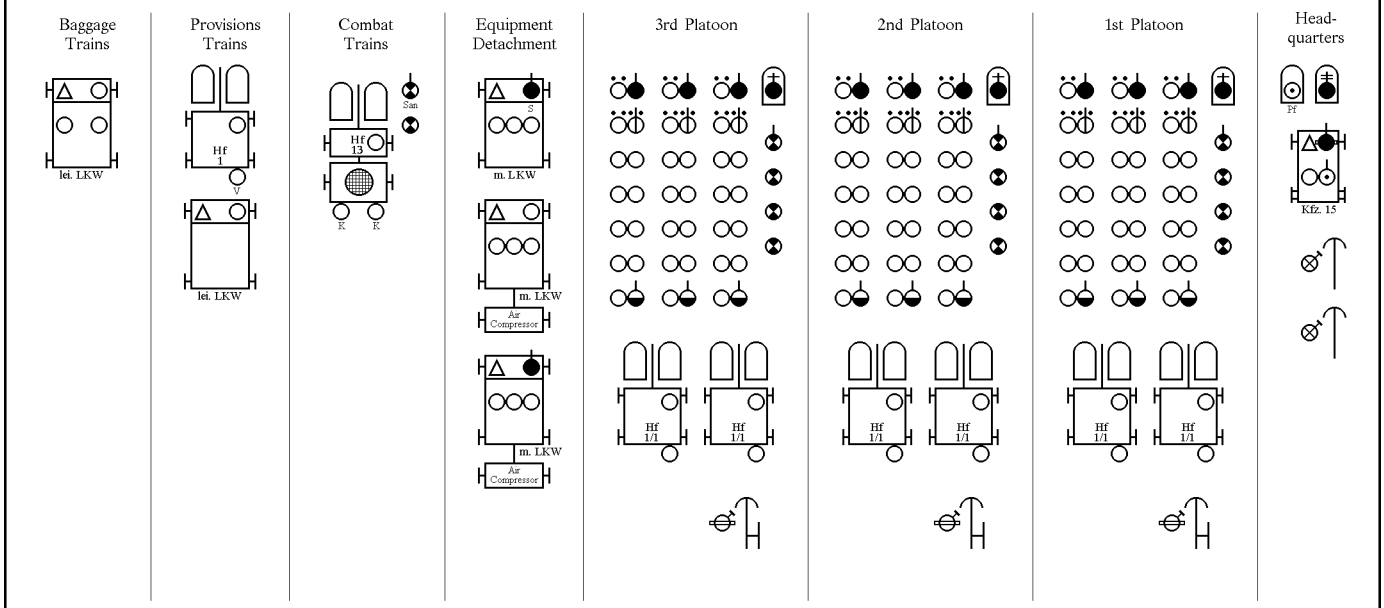
LEICHTE PIONIERKOLONNE (motorisiert)
Motorized Light Engineer Transport Column

KStN 741 – 1.10.1937



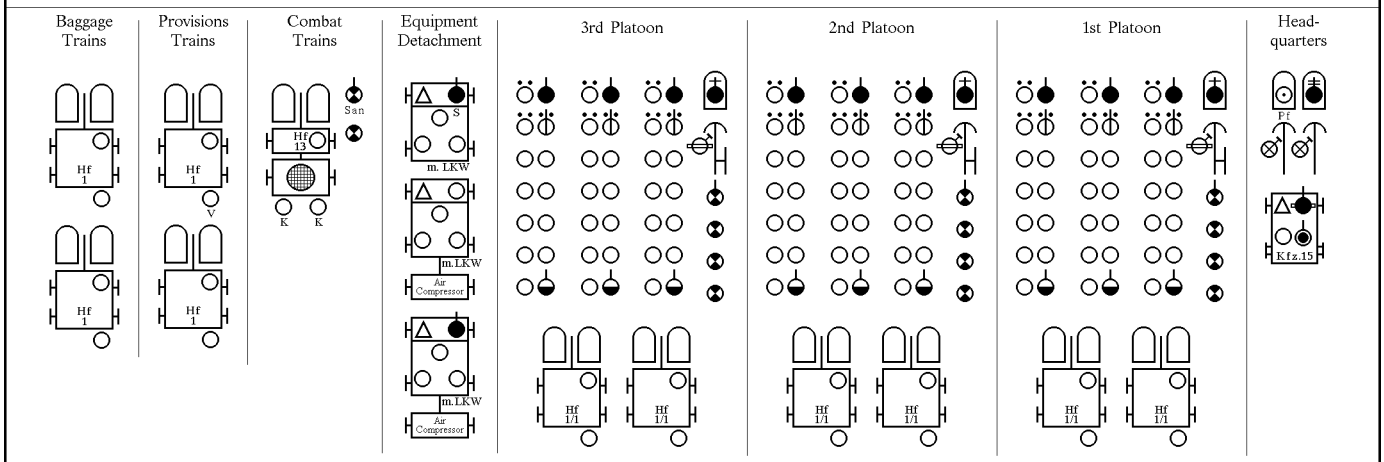
PIONIERKOMPANIE (Reich)
Combat Engineer Company (Reich)

KStN 711(R) – 1.09.1934



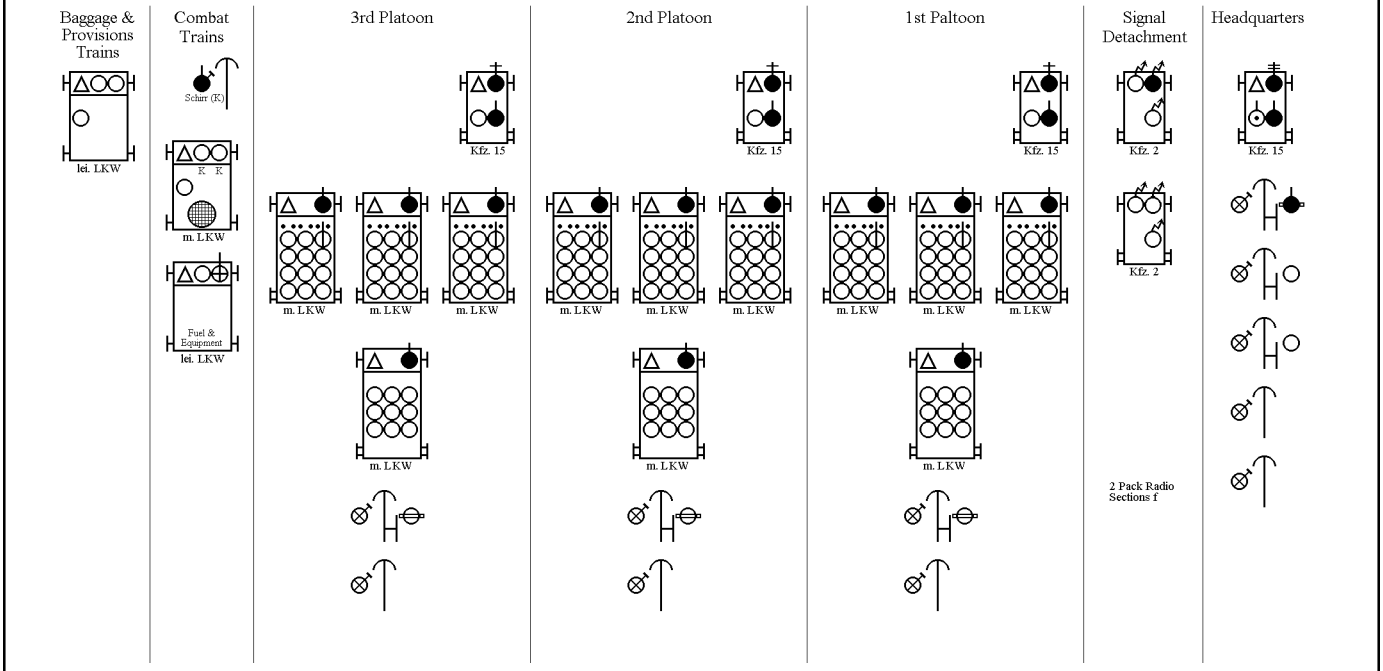
PIONIERKOMPANIE (Ostpreussen)
Combat Engineer Company (East Prussia)

KStN 711 (O) – 1.04.1934



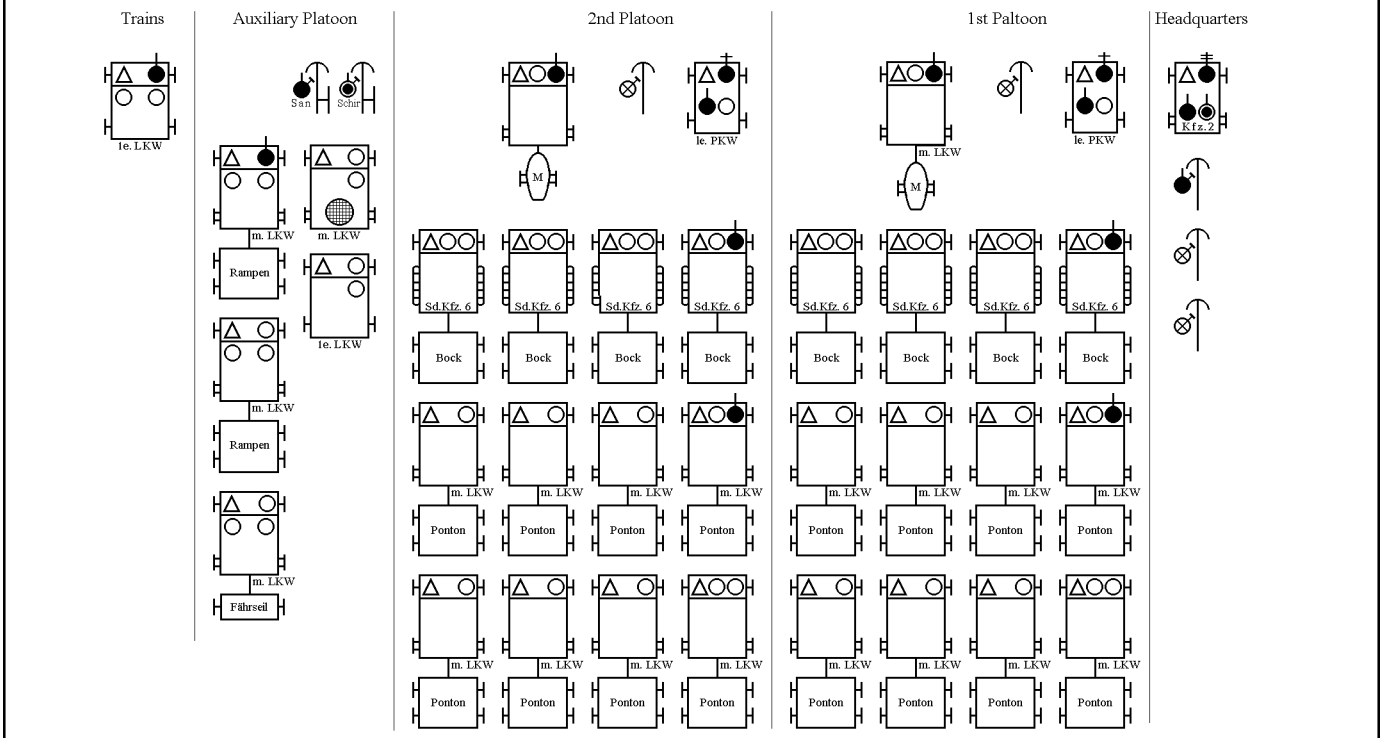
PIONIERKOMPANIE (motorisiert)
Motorized Engineer Company

KStN 712 – 1.10.1937



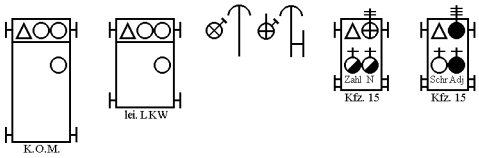
BRÜCKENKOLONNE "B" (motorisiert)
Motorized Bridge Column "B"

KStN 733 – 1.10.1937



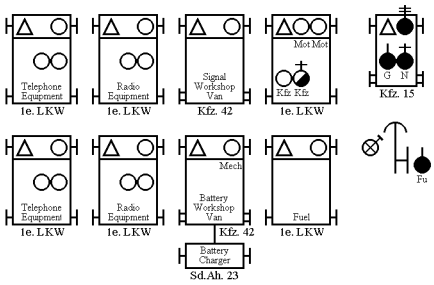
STAB, INFANTERIEDIVISIONSNACHRICHTENABTEILUNG (teilmotorisiert)
Headquarters, Infantry Division Semi-Motorized Signal Battalion,

KStN 806 *) – 1.10.1937



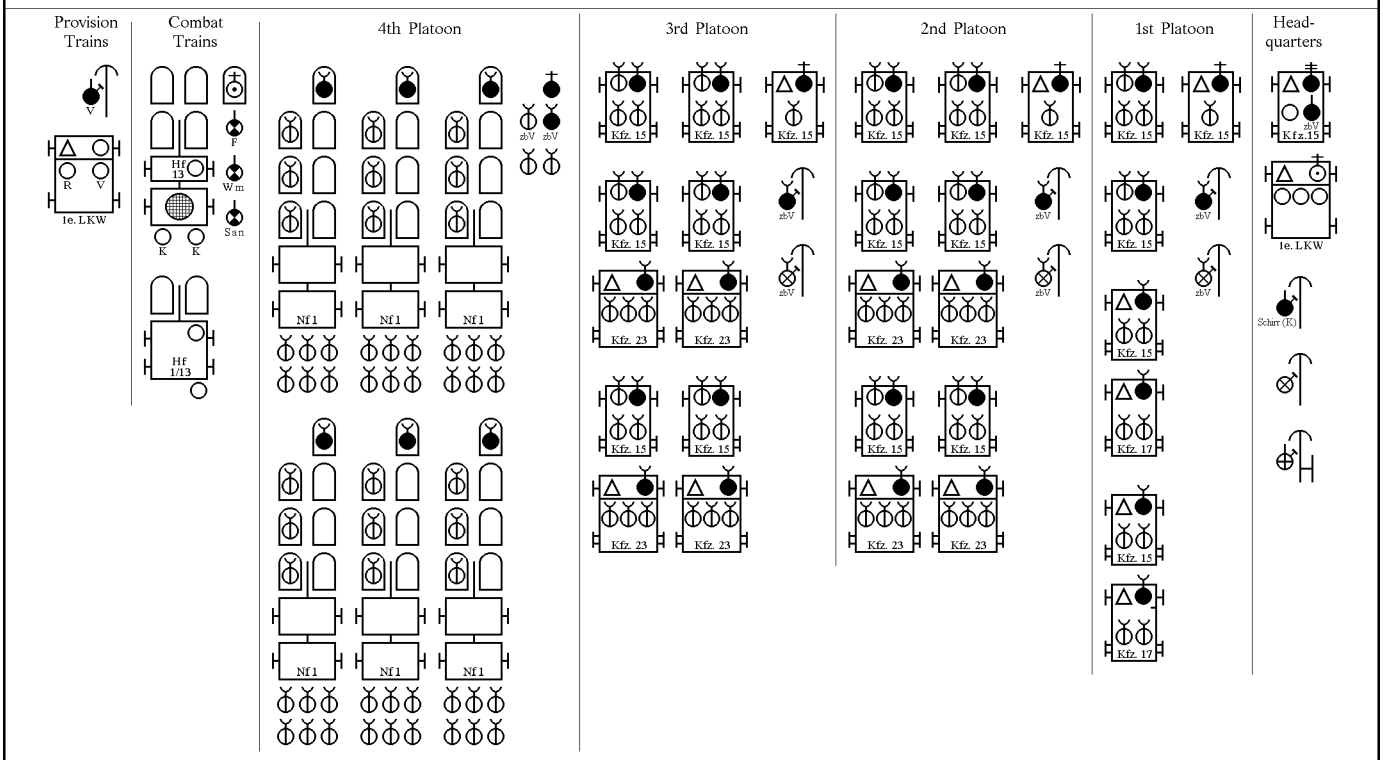
LEICHTE NACHRICHTENKOLONNE a (motorisiert)
Motorized Light Signal Column Type a

KStN 871 *) – 1.10.1937



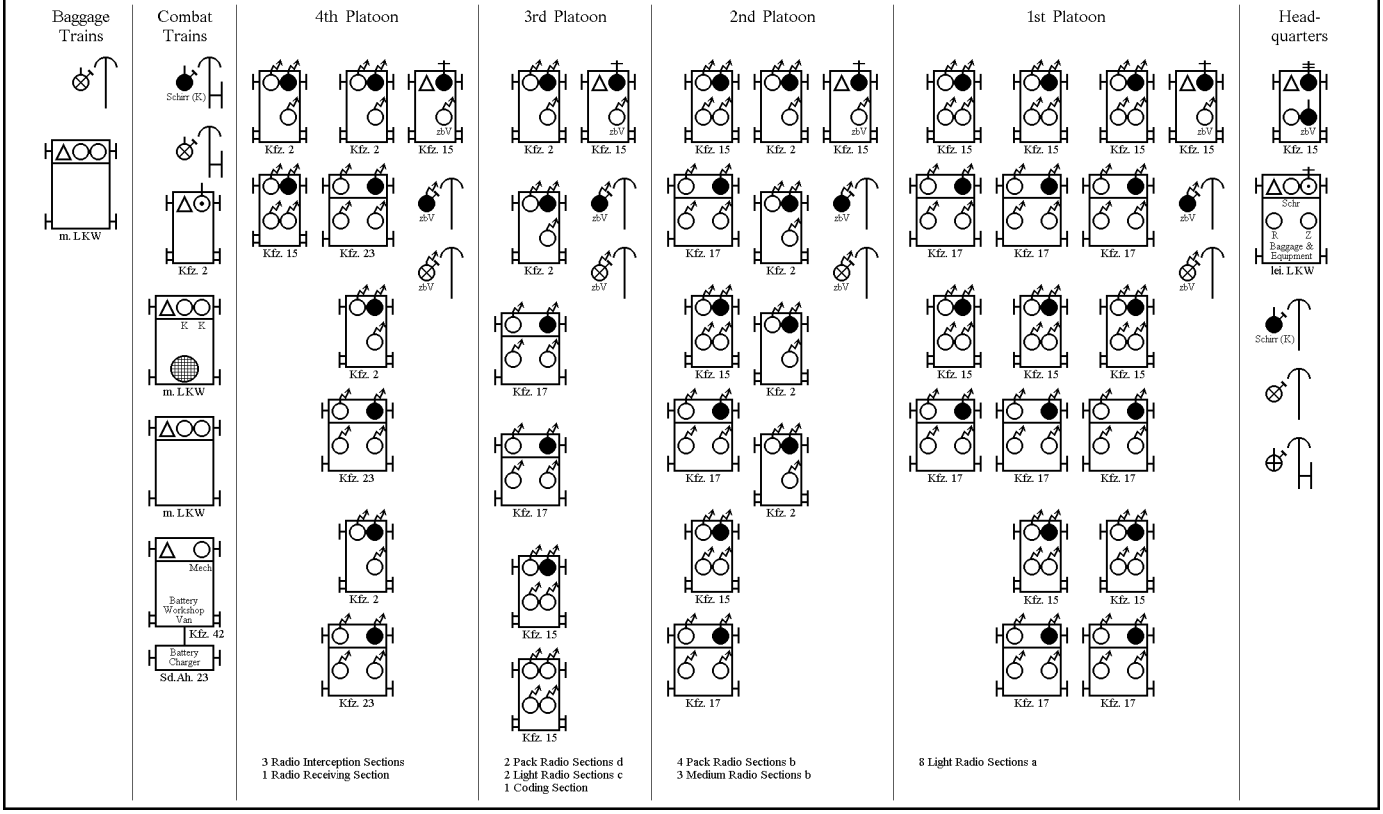
FERNSPRECHKOMPANIE (teilmotorisiert)
Semi-Motorized Telephone Company

KStN 831 *) – 1.10.1938



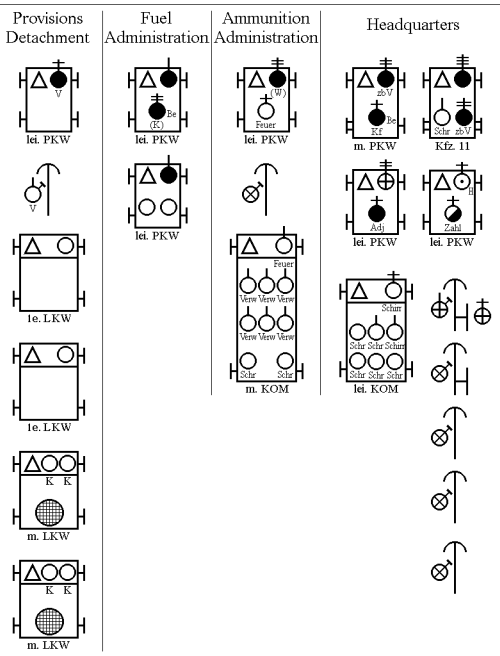
FUNKKOMPANIE a (motorisiert)
Motorized Radio Company Type a

KStN 859 *) – 1.10.1938



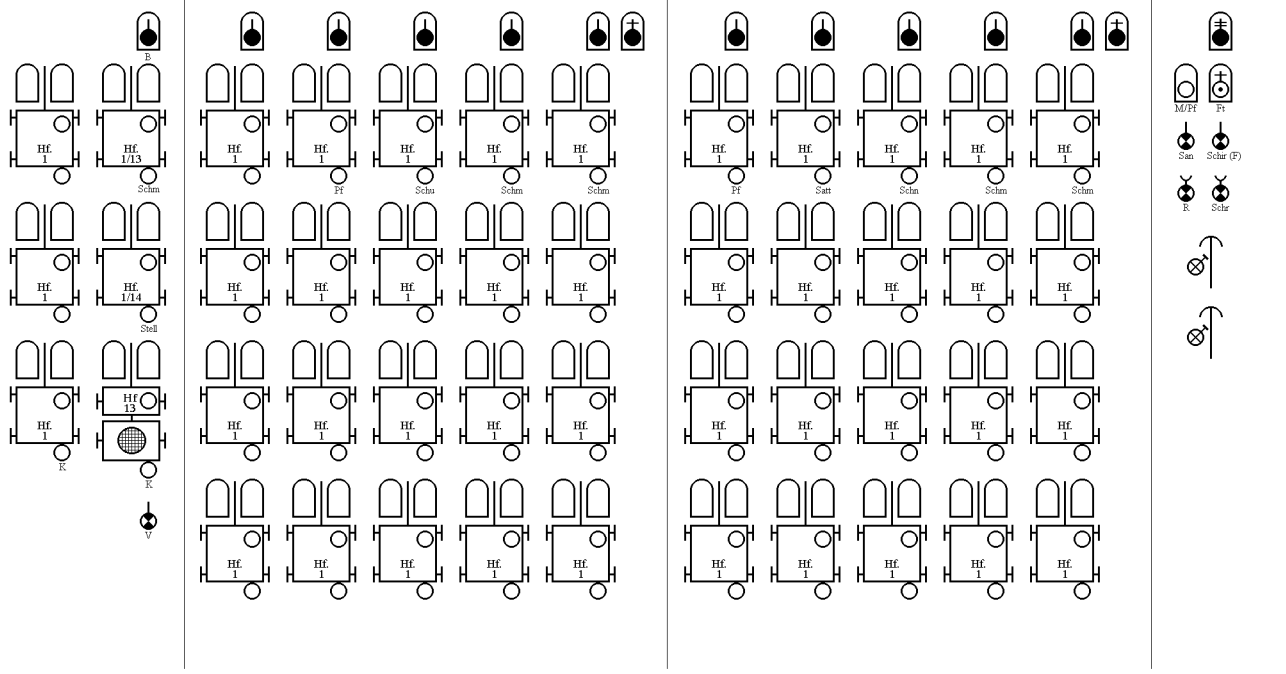
STAB EINER DIVISIONSNACHSCHUBFÜHRERS (mot)
Motorized Divisional Supply Commander

KStN 1208 *) – 1.03.1939



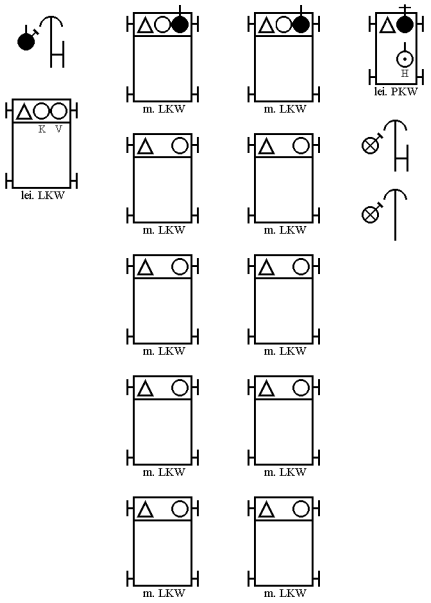
FAHRKOLONNE
Horse Drawn Transport Column

KStN 1241 – 1.10.1937



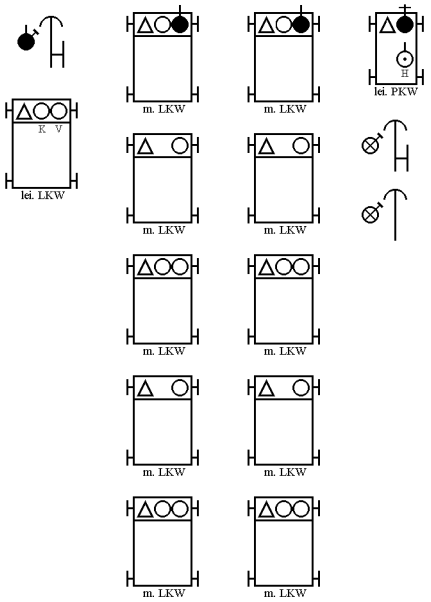
KLEINE KRAFWAGENKOLONNE (30 Tonnen)
Motor Transport Column (30 tons)

KStN 1125 *) – 1.10.1937



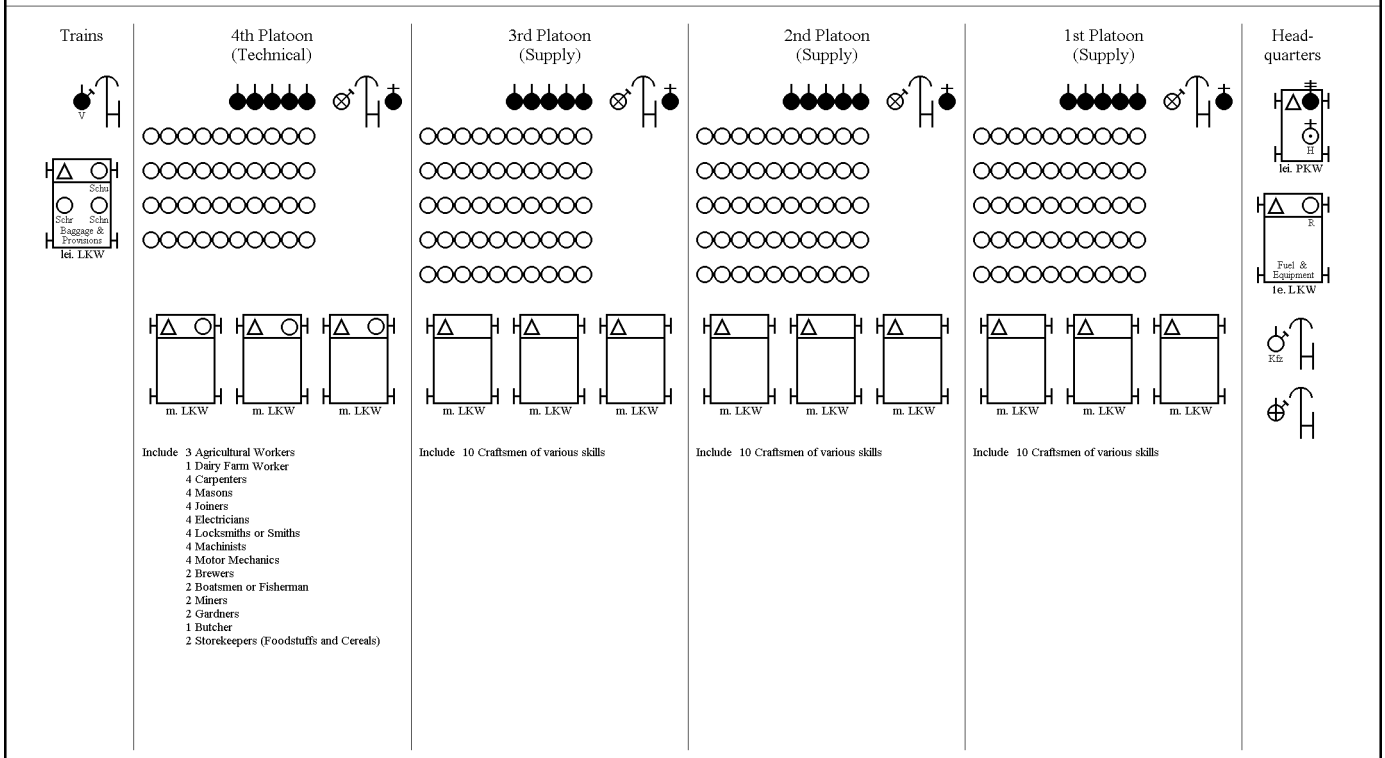
KLEINE KRAFWAGENKOLONNE FÜR BETRIEBSSTOFF (25cbm)
Motor Transport Column for Fuel (25m³)

KStN 1125 *) – 1.10.1937



NACHSCHUBKOMPANIE (mot)
Motorized Supply Company

KStN 1255 – 1.10.1937



Include 3 Agricultural Workers
1 Dairy Farm Worker
4 Carpenters
4 Masons
4 Joiners
4 Electricians
4 Locksmiths or Smiths
4 Machinists
4 Motor Mechanics
2 Brewers
2 Boatsmen or Fisherman
2 Miners
2 Gardners
1 Butcher
2 Storekeepers (Foodstuffs and Cereals)

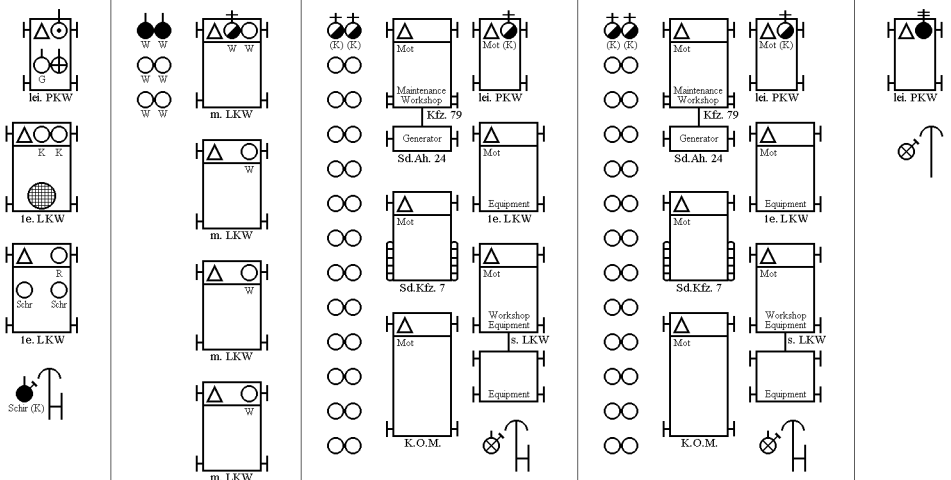
Include 10 Craftsmen of various skills

Include 10 Craftsmen of various skills

Include 10 Craftsmen of various skills

WERKSTATTKOMPANIE (mot)
Motorized Workshop Company

KStN 1052 – 1.10.1937

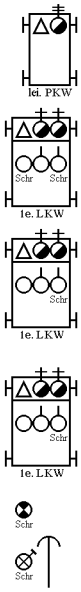


Include 11 Motor Mechanics
1 Welder
2 Electricians
2 Lathe Operators
2 Plumbers
2 Smiths
1 Motor Vehicle Saddler
1 Painter
2 Joiners

Include 11 Motor Mechanics
1 Welder
2 Electricians
2 Lathe Operators
2 Plumbers
2 Smiths
1 Motor Vehicle Saddler
1 Painter
2 Joiners

VERPFELEGUNGSAMT
Commissary Office

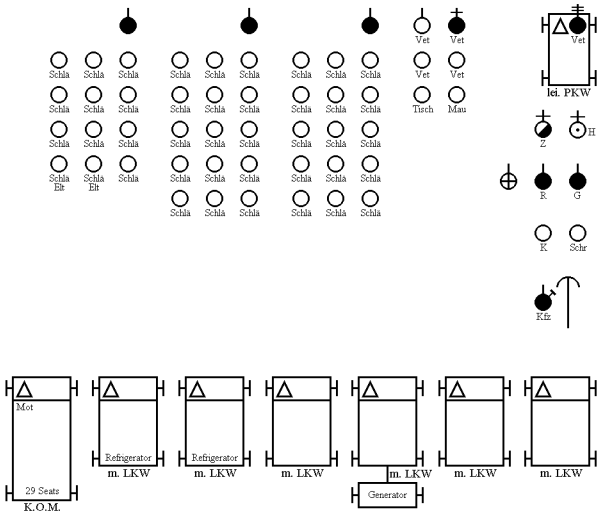
KStN 2086 – 1.10.1937



Workers are drawn from the Supply Company.

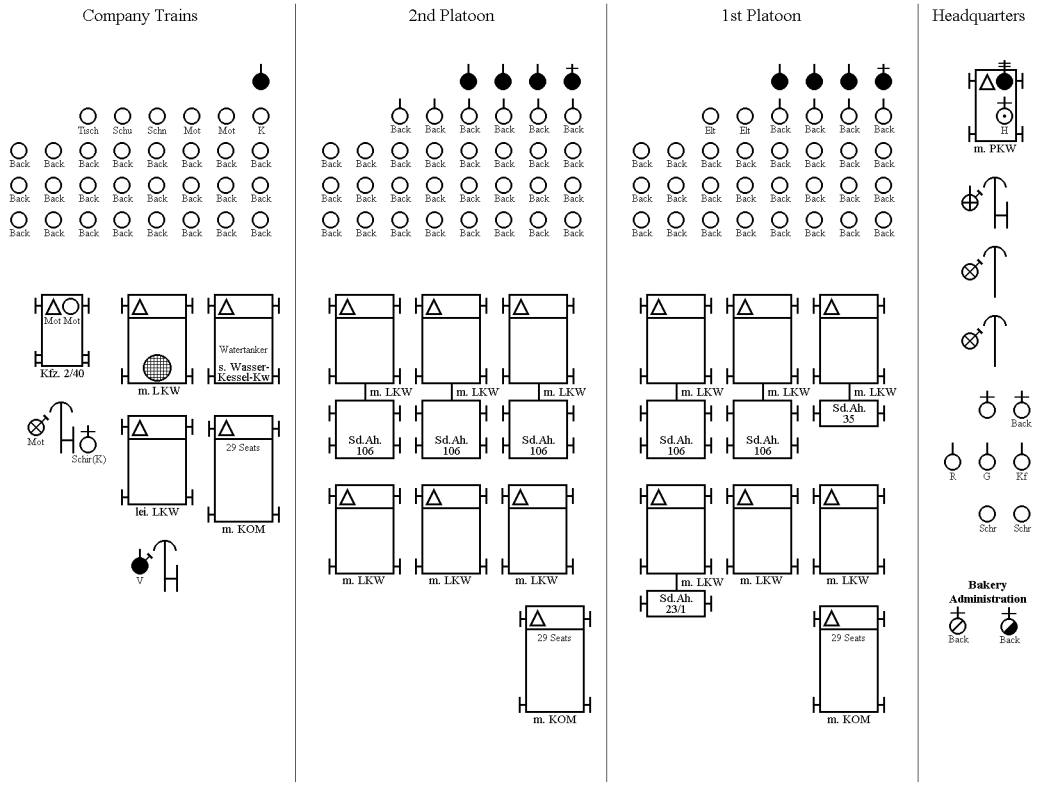
SCHLACHTERIEZUG (mot)
Motorized Butcher Platoon

KStN 1282 *) – 1.10.1938



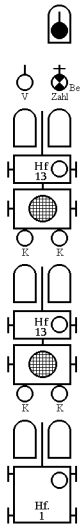
BÄKEREIKOMPANIE e (mot)
Motorized Baker Company Type e

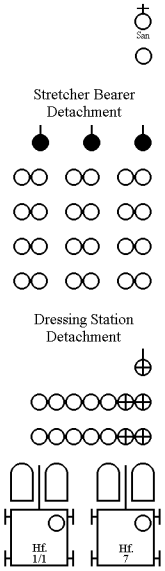
KStN 1277 *) – 1.10.1937

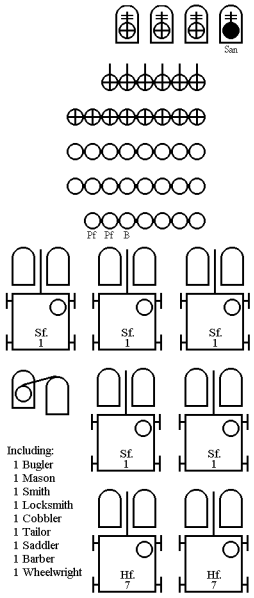


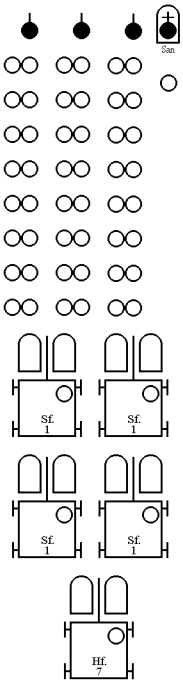
SANITÄTSKOMPANIE b
Medical Company Type b

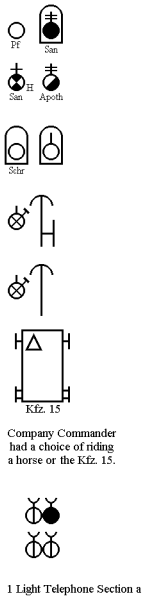
KStN 1309 – 1.03.1939





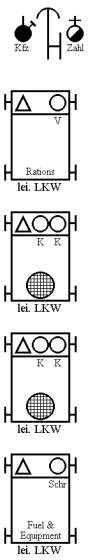


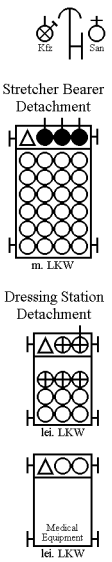


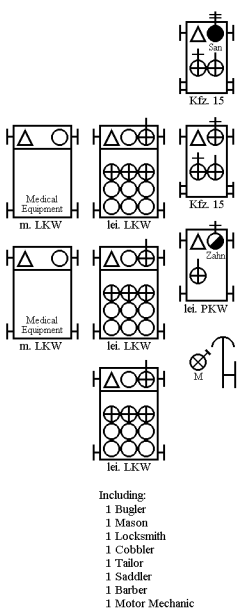


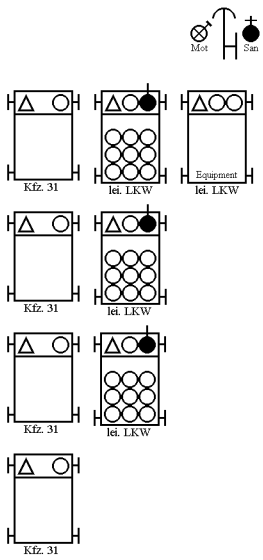
SANITÄTSKOMPANIE b (mot)
Motorized Medical Company Type b

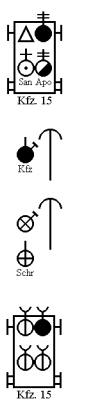
KStN 1314 – 1.03.1939





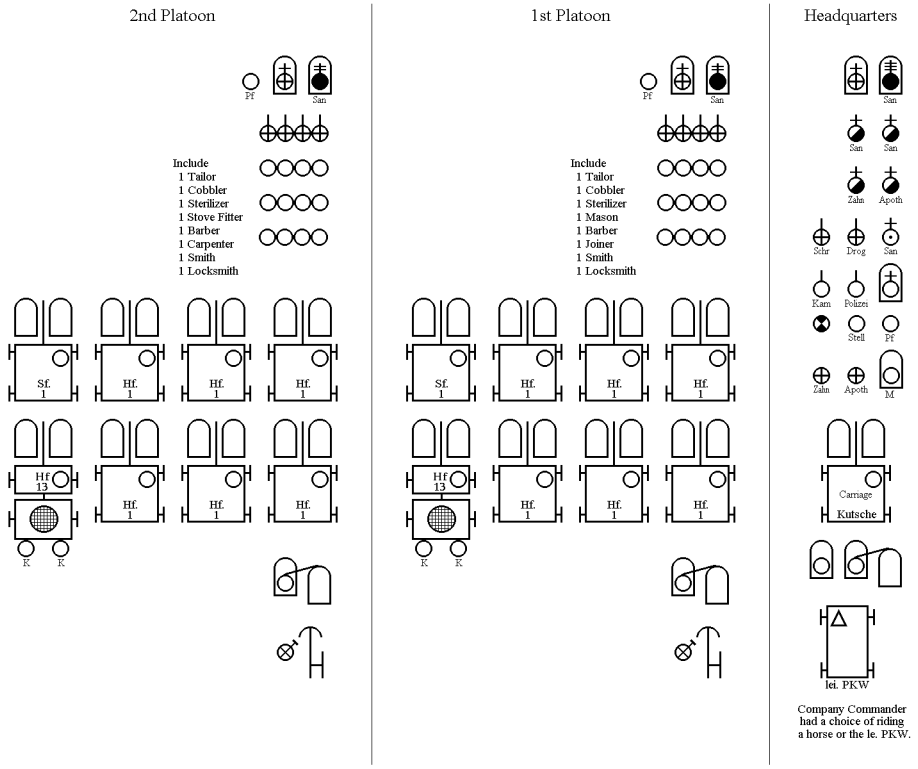






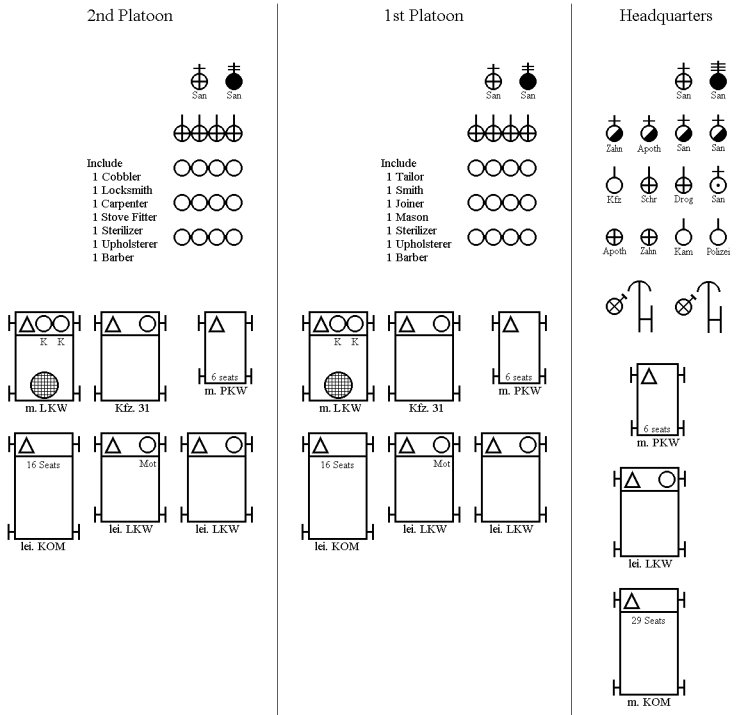
FELDLAZARETT
Field Hospital

KStN 1341 – 1.10.1937



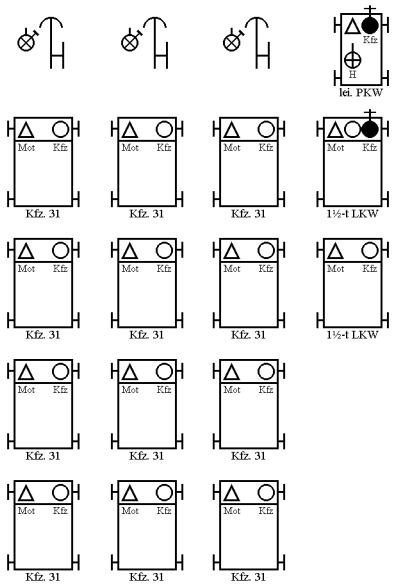
FELDLAZARETT (mot)
Motorized Field Hospital

KStN 1342 – 1.10.1937



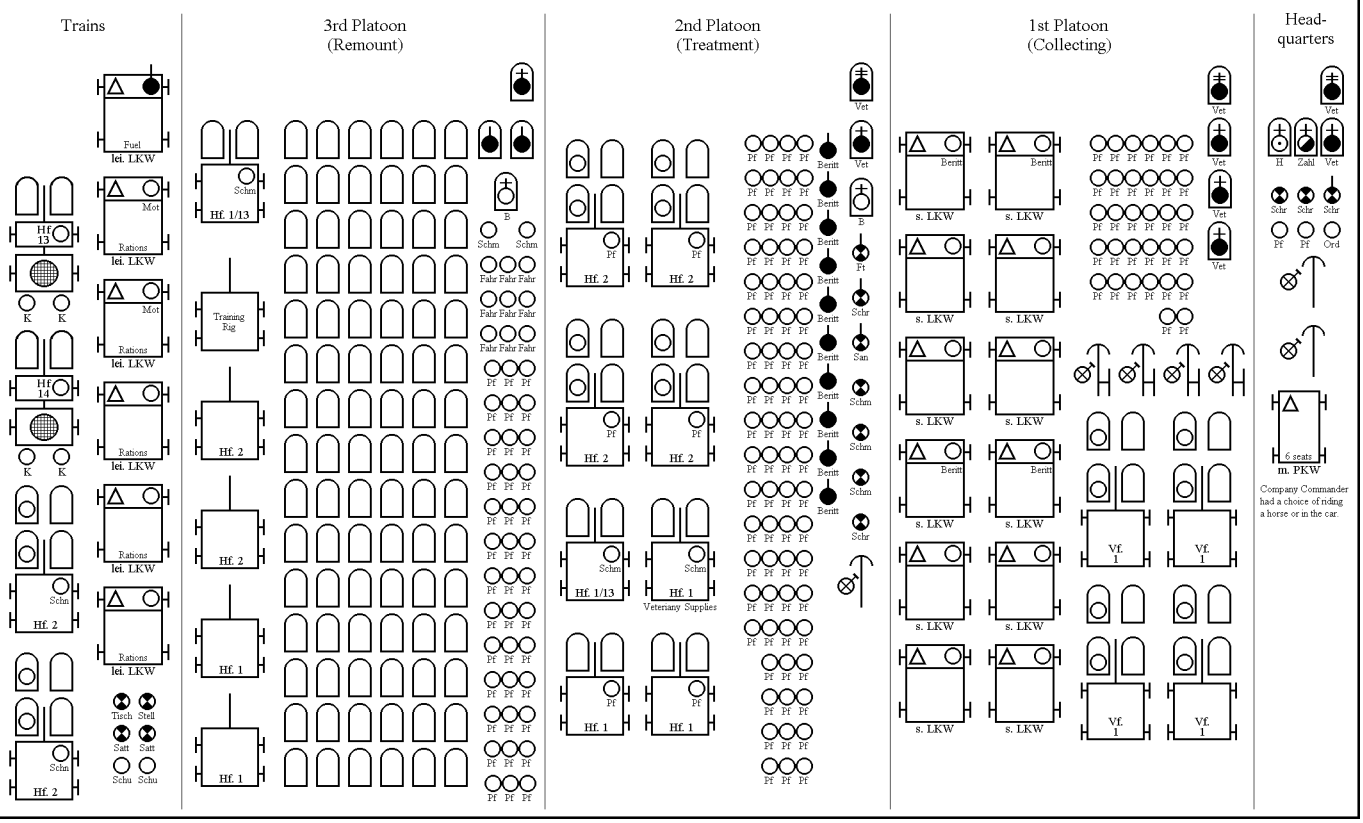
KRANKENKRAFTWAGENZUG
Motor Ambulance Platoon

KStN 1365 *) – 1.10.1937



VETERINÄRKOMPANIE
Veterinary Company

KStN 1415 *) – 1.10.1937



SOURCES AND REFERENCES

UNPUBLISHED

National Archives and Records Administration, Washington, D.C.

T78/871 (H37/144b) "Gliederung der Pioniere" In 5/Ia Org./III Nr. 458/40 g.Kdos. dated 11.10.1940

Bundesarchiv-Militärarchiv (German Military Archives) in Freiburg/Br.

RHD 2/2 Allg. Heeresmitteilungen (OKH)

RHD 4/272 "Taktische Zeichen des Heeres, mit Anhang: Zeichen der Luftwaffe" Oberkommando des Heeres, 1938

RHD 11/1 to 11/53 "Kriegstärkenachweisungen"

RHD 18/22 "Besondere Anlage 1 zum Mob. Plan (Heer) – 1939/1940" = Übersicht der Einheiten des Kriegsheeres =

RHD 18/24 "Besondere Anlage 2A zum Mob. Plan (Heer) – 1939/1940" = Kriegsgliederungen 01.03.1939 – 31.03.1940 =

RHD 18/25 "Besondere Anlage 2 zum Mob. Plan (Heer) – 1939/1940" = Kriegsgliederungen 01.03.1939 – 31.03.1940, einschl. 5. Berichtigung =

RHD 18/25a "Besondere Anlage 2A zum Mob. Plan (Heer) – 1939/1940" = Kriegsgliederungen 01.03.1939 – 31.03.1940, einschl. 7. Berichtigung

RHD 18/27 "Besondere Anlage 2A zum Mob. Plan (Heer) – 1939/1940" = Soll an Kopfzahl, Tiere, Fahrzeuge, Kraftfahrzeuge =

RHD 18/28 "Besondere Anlage 2A zum Mob. Plan (Heer) – 1939/1940" = Soll an Waffen =

RHD 18/29 "Besondere Anlage 2A zum Mob. Plan (Heer) – 1939/1940" = Soll an Munition =

RHD 18/46 "Besondere Anlage 8 zum Mob. Plan (Heer) – 1939/1940" = Gültigkeitsliste der Kriegstärke- und Ausrüstungsnachweisungen =

H.Dv. 220/9 "Pioniere – Gliederung, Stärke und Ausstattung" dated 01.11.1940

PUBLISHED

BEIERSDORF, H.
"KFZ-Anhänger der Wehrmacht 1935 – 1945"
Podzun-Pallas, Friedberg, 1994.

BUCHNER, A.
"Das handbuch der deutschen Infanterie, 1939 – 1945"
Pudzun-Pallas, Friedberg, 1987.

–
"Der Sanitätsdienst des Heeres"
Nebel, Eggolsheim, 2002.

CHAMBERLAIN, P., DOYLE, H.C., JENTZ, T.
"Encyclopedia of German Tanks of World War II"
Arco Publishing, New York, 1978.

EMDE, J.
"Die Nebelwerfer"
Podzun-Pallas, Friedberg, 1979.

DOYLE, H.C., and KLIMENT, C.K.
"Czechoslovak Armored Fighting Vehicles: 1918 – 1945"
Bellona, Watford, Herts., 1979.

ENGELMANN, J.
"Das Buch der Artillerie, 1939 – 1945"
Podzun-Pallas, Friedberg, 1983.

ENGLEMANN, J., and SCHEIBERT, H.
"Deutsche Artillerie, 1934 – 1945"
Starke, Limburg/Lahn, 1974.

ERB, H.
"Kradschützen"
Motorbuch, Stuttgart, 1981.

FRANK, R.
"Lastkraftwagen der Wehrmacht"
Podzun-Pallas, Friedberg/H., 1992.

–
"Personenkraftwagen der Wehrmacht"
Podzun-Pallas, Friedberg/H., 1993.

GANDER, T.J.
"Field Rocket Equipment"
Almark, London, 1972.

HAHN, J.
"Waffen und Geheimwaffen des deutschen Heeres, 1933 – 45"
Bernhard und Graefe, Koblenz, 1986/87.

JENTZ, T.
"Panzertruppen 1933 – 1942"
Schiffer Military History, Atglen, PA, 1996.

KEILIG, W.
"Das Deutsche Heer 1939-1945"
[*Loose-leaf collection, issued periodically*]
Podzun, Bad Neuheim, 1956 onwards.

KOCH, H.A.
"Flak"
Podzun, Bad Nauheim, 1965.

KOSAR, F.
"Leichte Feldgeschütze"
Lehmans, Munich, 1971.

—
"Mittlere Feldgeschütze"
Lehmans, Munich, 1973.

—
"Schwere Geschütze und Eisenbahngeschütze"
Bernard und Graefe, Munich, 1978.

—
"Infanteriegeschütze und Rückstossfreie Leichgeschütze"
Motorbuch, Stuttgart, 1979.

MEHNER, K.
"Die Deutsche Wehrmacht 1939 – 1945"
= Führung und Truppen =
Militair-Verlag Patzwall, Norderstedt, 1993.

Militärgeschichtliches Forschungsamt
"Das Deutsche Reich und der Zweiten Weltkrieg"
Deutsche Verlags-Anstalt, Stuttgart, 1978 – 2001.

MUELLER-HILLEBRAND, B.
"Das Heer 1933-1945"
E.S. Mittler, Darmstadt, 1954
E.S. Mittler, Frankfurt/Main, 1965 – 1969.

NEHRING, W.
"Die Geschichte der deutsche Panzerwaffe 1916–1945"
Motorbuch, Stuttgart, 1974.

—
"Die deutschen gepanzerten Truppen bis 1945"
Maximilian, Herford, 1965.

NIEHAUS, W.
"Die Nachrichtentruppen 1914 bis heute"
Motorbuch, Stuttgart, 1980.

OSWALD, W.
"Kraftfahrzeuge und Panzer der Reichswehr, Wehrmacht und Bundeswehr"
11th Edition
Motorbuch, Stuttgart, 1982.

PAWLAS, K.L.
"Datenblätter für Heeres-Waffen, Fahrzeuge und Gerät 1944"
(Dokumenmtation W 127)
Karl L. Pawlas, Nürnberg, 1976.

PETTER, D.P.
"Pioniere - Entwicklung einer deutsche Waffengattung"
Wehr & Wissen, Darmstadt, 1963.

RICHTER, K. C.
"Die bespannten Truppen der Wehrmacht"
Motorbuch, Stuttgart, 1997.

Von SENGER und ETTERLIN, F.M.
"Die Panzergrenadiere"
Lehmans, Munich, 1961.

—
"Die deutschen Geschütze 1939 – 1945"
3rd Edition
Bernard & Braede, Bonn, 1998.

SPIELBERGER, W.
"Die Panzerkampfwagen I und II und ihre Abarten"
Motorbuch, Stuttgart, 1974.

—
"Der Panzerkampfwagen III und seine Abarten"
Motorbuch, Stuttgartt, 1974.

—
"Die gepanzerten Radfahrzeuge des Deutschen Heeres"
Motorbuch, Stuttgart, 1974.

—
"Der Panzerkampfwagen IV und seine Abarten"
Motorbuch, Stuttgart, 1975.

—
"Die Halbkettenfahrzeuge des Deutschen Heeres"
Motorbuch, Stuttgart, 1976.

—
"Die Motorisierung der Deutschen Reichswehr, 1920 – 1935"
Motorbuch, Stuttgart, 1979.

—
"Die Panzer-Kampwagen 35(t) und 38(t) und ihre Abarten einschließlich der tschechoslowakischen Heeresmotorisierung, 1920 – 1945"
Motorbuch, Stuttgart, 1980.

TESSIN, G.
"Verbände und Truppen der Deutschen Wehrmacht und Waffen-SS im Zweiten Weltkrieg"
E.S. Mittler, Frankfurt/Main, 1965 – 1970.
Biblio, Osnabrück, 1972 – 1988.

TM-E 30-451
"Handbook on German Military Forces"
War Department, Washington, D.C., 15 March 1945.

Zentral Museum & Zentralarchiv der Pioniere
"Deutsche Pioniere 1939 – 1945"
Kurt Vowinckel, Neckargemünd, 1976.

INTRODUCTION TO GERMAN SOFT-SKINNED MOTOR VEHICLES

Identification and Numbering System

The German Wehrmacht identified its motor vehicles by make, by type, by load, by mobility, by purpose, by number of seats, and/or by number. The latter, *Kraftfahrzeug* (*Kfz.*) and *Sonder Kraftfahrzeug* (*Sd.Kfz.*) numbers, indicated the purpose but not manufacturer of the vehicle. Early in the war, this series of numbers were reasonably well adhered to, although some vehicles were only classified by their load and mobility. As the war continued, the numbering system fell into disuse. The details of the numerical classifications are given on the next pages. The classifications were:

Kfz. No.	*Nomenclature*
1 – 10	light personnel carriers *(le. PKW)*
11 – 20	medium personnel carriers *(m. PKW)*
21 – 30	heavy personnel carriers *(s. PKW)*
31 – 40	light load carriers *(le. LKW)*
41 – 50	medium load carriers *(m. LKW)*
51 – 60	heavy load carriers *(s. LKW)*
61 – 70	light cross-country load carriers *(le. gl. LKW)*
71 – 80	medium cross-country load carriers *(m. gl. LKW)*
81 – 90	heavy cross-country personnel carriers *(s. gl. PKW)*, and, light cross-country load carriers *(le. gl. LKW)*

The heavy personnel carrier and the light load carrier had the same numbers. Same chassis, different bodies.

Classifications did not always correspond to the actual usage. Mobility for personnel and load carriers, whether military or commercial versions, was defined either as cross-country (indicated by the prefix "*geländegängig*", abbreviated to "*gl.*", i.e. cross-country), or road-bound, in which case either the suffix "*(o.)*" was added, or the suffix was omitted altogether.

Commercial vehicles could be directly purchased from the manufacturer, or, upon mobilization, requisitioned from the civilian economy. Indeed 63% of all motor vehicles in the German Army were requisitioned by September 1939.

German Load Carriers

Load carriers came in two versions (truck, i.e. open/with a bed; and van, i.e. closed/with a body instead of a bed), and in two types (commercial and military). As indicated above, the Germans used both numbered and unnumbered series of load carriers. Load carriers with and without "*Kfz.*" numbers came in three different load classifications:

Light	up to 2-ton
Medium	3-ton
Heavy	4.5-ton and over.

Load carriers with over a 5-ton load factor were only bought in the commercial versions.

German Commercial Load Carriers in Military Use

***up to 2-ton* (light)**	Adler	W61
	Borgward	L1400
	Daimler-Benz	L1500, L1500S, L1500A
	Phanomen	Granit 25H; 1500S, 1500A
	Opel	Blitz 2,5-32
	Steyr (Ost. Daimler)	1500A/01, 1500A/02, 2000A
***3-ton* (medium)**	Borgward	B3000S, B3000A
	Daimler-Benz	L3000, L3000S, L3000A
	Ford	G21T; V3000, V3000S
	KHD (Magirus)	3000S, 3000A
	MAN	E2; E3000
	Opel	Blitz 3,6-36S, Blitz 6700A
***4.5-ton* (heavy)**	Büssing-NAG	4500S, 4500A
	Daimler-Benz	L4500S, L4500A
	Gräfe & Stift	V7DW
	MAN	ML4500S, ML4500A
6.5-ton	Büssing-NAG	6500
	Daimler-Benz	L6500
	Krupp	LD6,5
	MAN	F4
	Vomag	6LR-647, 6LR-652
	Tatra	6500A
9-ton	Büssing-NAG	801, 802
	Faun	L9000D567

German Personnel Carriers

Personnel carriers, with or without numbers, were also classified according to their mobility and engine size:

Light	up to	1500cc
Medium	up to	3000cc
Heavy	over	3000cc

Personnel carriers were either civilian or military. Civilian and later also military vehicles were identified by the engine size – and sometimes the number of seats.

German Motorcycles

There were a multitude of motorcycle types in the German Army, classified according to engine size:

Light	up to	350cc
Medium	up to	500cc
Heavy	over	500cc

Motorcycles came in solo and sidecar versions. For the heavy motorcycles with sidecars, the sidecar wheel was power-driven. Some motorcycles had a light machine-gun mounted on the sidecar. The side cars were also used to carry light mortars, ammunition, as well as personnel.

The Einheits-Vehicle-Program

The Einheits Program was an attempt by the German Armed Forces in the 1930s to produce a series of standardized vehicles. They were based on complicated 4 x 2, 4 x 4, and 6 x 4 chassis, with varying bodies, each conceived for a specific role.

Four chassis were finally produced. They were designated the light *(le. E-PKW)*, the medium *(m. E-PKW)*, as well as the heavy *(s. E-PKW)* personnel carriers. The fourth was the light load carrier (*le. E-LKW*, also known as the "*Einheits-Diesel*"). This light load carrier, produced between 1937 and 1940, had a 6 x 6 chassis capable of transporting 2.5-tons, and was powered by a diesel engine, (one of the few WWII German vehicles so powered).

Early Einheits-PKW all had stub axles on both sides for the spare wheels, which were supposed to assist the vehicles in crossing rough terrain. This feature was dropped in later models.

Light load carrier chassis were also fitted with passenger bodies. A typical example of this was the *le. Einheits-LKW*, and later the Steyer 1500.

The Einheits Vehicle Program ran into considerable difficulties owing to production and maintenance complications. The design proved too sophisticated for field use, where maintenance and spare parts were in short supply. The complicated two-axle steering caused particular problems in maintenance. The *le. Einheits-LKW* proved the only one that was a successful design.

The Schell Vehicle Program

The Einheits Program could not meet the motor vehicle needs of the German Armed Forces. In 1938, the Schell Program was initiated. It standardized the number of Einheits vehicles at four, (see paragraph above), and provided a limited number of alternative commercial vehicles with all-wheel drive. It reduced the large variety of models in both commercial and military production from 113 to 30 load carriers, from 52 to 10 personnel carriers, and from 150 to 30 motorcycles, which, as an added benefit, enabled the German Army to commandeer civilian vehicles in time of need without drastically complicating the replacement and spare parts situation. The Schell Program vehicles did not always have the engine performance required for military use.

Neither the Einheits nor the Schell Programs provided enough vehicles for the expanding German Armed Forces. However, no solution was ever found for this problem, and Germany was severely handicapped by a lack of motor vehicles in World War II. Even the incorporation of captured enemy vehicles and the production facilities of occupied countries was unable to remedy this problem.

The Raupenschlepper Ost (RSO)

The Russian Campaign quickly demonstrated that German wheeled vehicles were totally inadequate when it came to moving through mud and snow. This lack of good cross-country mobility lead to the development of the Raupenschlepper Ost, created to meet the needs of the infantry for a fully-tracked motor vehicle that could move in all terrain. It was ideal also because it did not move very much faster than the marching infantry. This family of vehicles was produced without the standard identifying numbers being allocated.

The Maultier

The lack of good cross-country mobility also led to field improvisations. One of which was so successful that it was produced in large amounts by German industry. The Maultier was basically a truck with tracks and drive train components similar to that of a light tank instead of a rear axle and wheels. The Germans produced two weight classes, namely the Sd.Kfz. 3 based on the medium truck, (initially with a 2-ton payload, then increased to 3 tons) and the Sd.Kfz. 3/5, based on the 4.5-ton truck, (initially with a 4-ton payload, then increased to 4.5 tons).

The Schwere Wehmachtsschlepper

A simplified and standardized 6-ton halftrack began production in late 1943. Production was low, with only 1000 being produced during the war.

GERMAN NUMBERED MOTORIZED SOFT-SKINNED VEHICLES

Kfz.	German Nomenclature	Description	Makes & Models
1	le gl PKW ('Kübelwagen')	light cc personnel carrier (3 and 4-seater) Hanomag - all models	le. Einheits-PKW BMW 303, 309, 315, 319, 3/15, 4/20PS Daimler-Benz 170-V Dixie 3/15 Opel P-4 Skoda Popular 1100 Steyr 250 Volkswagen Type 82, 87, etc.
1/20	le gl schwimm-PKW	light amphibious cc personnel carrier (4-seater)	Volkswagen Type 128 and 166
2 2/1 2/2 2/40	le Nachrichten-Kw le Fernsprech-Kw le Funk-Kw le Instandsetzungs-Kw	light cc signals carrier light cc telephone carrier light cc radio carrier light cc maintenance section carrier (all 2 seaters with equipment storage in the back)	le. Einheits-PKW BMW 309, 319, 3/15, 4/20 Hanomag - all models Daimler-Benz 170-V Volkswagen Type 82, 87, etc.
3	le Messtrupp-Kw	light cc calibration section carrier	le. Einheits-PKW BMW 309 Daimler-Benz 170-V Steyr 250 Volkswagen Type 82, 87, etc.
4	le Truppen-Luftschutz-Kw	light cc antiaircraft carrier (dual MG)	le. Einheits-PKW
5	m gl Kessel-Kw	medium cc tanker	m. Einheits-PKW
11 12	m gl PKW m gl PKW mit Zughaken	medium cc personnel carrier medium cc personnel carrier with towing hook (for 37mm ATG, 75mm IG, ammo trailers)	m. Einheits-PKW Adler 12N, 3-Gd Daimler-Benz 200, 260, 290, 320 Phänomen Granit 25 Wanderer W-11, W-23S
13 14	m gl gp PKW (MG) m gl gp PKW (Funk)	early armored medium cc car (with one MG) early armored medium cc radio car (no armament)	Adler Standard 6
15 15 15/1 15/1 15/2 15/4 15/5 15/6 15/7 17 16 16 16/1	m gl PKW m gl PKW mit Gerätkasten m gl Nachrichten-Kw m gl Fernsprech-Kw m gl Funk-Kw m gl Funk-Kw m gl Funk-Kw m gl Funk-Kw m gl Funk-Kw m gl Fernschreibe-Kw m gl Meßstelle-Kw m gl Meßtrupp-Kw m gl Vorwarner-Kw	medium cc personnel carrier medium cc carrier with equipment boxes medium cc signals carriers medium cc telephone carrier medium cc radio carrier medium cc radio carrier medium cc radio carrier medium cc radio carrier medium cc radio carrier medium cc telex carrier medium cc calibration station carrier medium cc calibration section carrier medium cc advanced warning section carrier	m Einheits-PKW Auto Union / Horch 830-R Daimler-Benz 340-WK, L1500A Horch 830-R, 830-BL Steyr 250 Stoewer M-12-RW
17 17 17 17/1 17/2 17/3	kl Verstärker-Kw kl Kabelmess-Kw kl Fernsprechbetriebs-Kw kl Funktrupp-Kw kl Fernsprechtrupp-Kw kl Funk-Kw	small cc amplifier van small cc wire calibration van small cc telephone operations van small cc radio section van small cc telephone section van small cc radio van	m. Einheits-PKW Auto Union / Horch 830-R
18 18	s gl PKW Gefechts-Kw (mit Gerätkasten & Zughaken)	heavy cc personnel carrier heavy cc carrier (combat) (with equipment boxes and towing hook)	m. Einheits-PKW s. Einheits-PKW Daimler-Benz 200, L1500A Wanderer W 11, W 14
19	Fernsprechbetriebs-Kw Fernsprech-Kw Funk-Kw	cc telephone exchange van cc telephone van cc radio van	Krupp L2H-43, Krupp L2H-143
21	s gl PKW (Kommandeurwagen)	heavy cc staff car (sedan or cabrio)	Daimler-Benz G-4 Krupp L2H-143 Cabrio Steyr 640, 1500A Praga Skoda
23 24	Fernsprech-Kw Verstärker-Kw	cc telephone equipment van cc amplifier equipment van	s. Einheits-PKW
31	Sanitäts-Kw ('Sanka') [also: Kranken-Kw ('KrKw')]	cc ambulance van	s Einheits-PKW Phänomen Granit 25H Steyr 640, 1500A Adler W-61K Daimler-Benz L1000, L1500E Ford G917, G987, 997, V3000S, V3000A
42 43 44	Sammler-Kw Sammlerwerkstatt-Kw Nachrichtenwerkstatt-Kw Wekstatt-Kw Flakauswert-Kw Sauer- und Stickstoff-Erzeugungs-Kw	generator / accumulator / battery van generator repair van signals repair van workshop van antiaircraft evaluation van Oxygen and Nitrogen generation van	Krupp L3-M42 m. LKW (o.)
51	Werkstatt-Kw	workshop van	m. LKW (o.) s. LKW (o.)

NOTES:
The early armored cars (*Kraftfahrzeug 13* and *14*) were obviously not soft-skinned vehicles. It is not clear why they were included within this listing and not in the special military motor vehicle (*Sonderkraftfahrzeug*) listing.

GERMAN NUMBERED MOTORIZED SOFT-SKINNED VEHICLES

Kfz.	German Nomenclature	Description	Makes & Models
61	gr Nachrichten-Kw	large cc signal van	Einheits-Diesel
	gr Schlüssel-Kw	large cc code van	Daimler-Benz G-3a, LG 3000
	gr Funk-Kw	large cc radio van	Büssing-NAG G-31, G500A, G500S, 4500S, 4500A
	gr Funkbetriebs-Kw	large cc radio operations van	Magirus M-206, M-30, S3000, A3000
	gr Fernsprechbetriebs-Kw	large cc telephone operations van	Borgward G.W., B3000S, B3000A
	gr Fernschreib-Kw	large cc telex van	
	gr Verstärker-Kw	large cc amplifier van	
	gr Peil-Kw	large cc sound-ranging equipment van	
	gr Meßtrupp-Kw	large cc calibration section van	
61/1	gr Funk-Kw	large cc radio van	
62	gr Nachrichten-Kw	large cc signals van	
	gr Fernsprechbetriebs-Kw	large cc telephone operations van	
	gr Funk-Kw	large cc radio van	
	gr Wetter-Kw	large cc weather van	
	gr Druckerei-Kw	large cc printing van	
	gr Schall-Aufnahme-Kw	large cc sound recording van	
	gr Schall-Auswertungs-Kw	large cc sound evaluation van	
	gr Vermessung-Auswertungs-Kw	large cc calibration evaluation van	
	gr Licht-Auswertungs-Kw	large cc flash evaluation van	
	gr Stabs-Auswertungs-Kw	large cc evaluation command van	
63	gr Nachrichten-Kw	large cc signals van	
	gr Meß-Stellen- und Gerät-Kw	large cc calibration station and equipment van	
	gr Vermessungs-Gerät-Kw	large cc calibration equipment van	
	gr Lichtmeß-Stellen-Kw	large cc flash ranging station van	
	gr Lichtmeß-Gerät-Kw	large cc flash ranging equipment van	
	gr Schallmeß-Stellen-Kw	large cc sound ranging station van	
	gr Schallmeß-Gerät-Kw	large cc sound ranging equipment van	
	gr Vorwarner-Kw	large cc advanced warning equipment van	
64	gr Vermessungsgerät-Kw	large cc calibration equipment van	
68	Funkmast-Kw	cc radio antenna van	Einheits-Diesel
	Fernsprech-Kw	cc telephone carrier	Krupp L2H-43, L2H-143
68/1	Funkmast-Kw	cc radio antenna van	Magirus M-206
			Opel Blitz A
69	Protz-Kw	cc prime-mover for light guns	s. Einheits-PKW
70	Mannschafts-Kw	cc personnel carrier	Krupp L2H-43, L2H-143
71	Truppen-Luftschutz-Kw	cc antiaircraft carrier	Mercedez-Benz L1500A
	s Truppenluftschutz-Kw	heavy cc antiaircraft carrier	
72	Fernsprechbetriebs-Kw	cc telephone opeartions van	Henschel 33-D1
	Fernsprech-Vermittlungs-Kw	cc telephone exchange van	Magirus 33-G1
	Fernschreib-Kw	cc telex van	Krupp L3H-63, L3H-163
	Fernschreib-Vermittlungs-Kw	cc telex exchange van	Büssing-NAG III GL6
	Verstärker-Kw	cc amplifier van	
	Funk-Kw (a & b)	cc radio van	
	Funkbetriebs-Kw	cc radio operations van	
	Funkhorch-Kw	cc radio interception van	
	Befehls-Kw	cc command van	
	Druckerei-Kw	cc printing van	
	m Wetter-Kw	cc weather van	
72/1	Fernschreib-Kw	cc telex van	
74	Flak-Meßtrupp-Kw I & II	cc antiaircraft calibration section van	
76	Beobachtungs-Kw	cc observation carrier	Daimler-Benz G-3a
77	Feldkabel-Kw	cc field cable carrier	Büssing-NAG G-31
	Fernsprech-Kw	cc telephone carrier	Magirus M-206
	Fernsprechbau-Kw	cc telephone contruction carrier	
79	Werkstatt-Kw	cc workshop van	Henschel 33-D1
			Magirus 33-G1
			Krupp L3H-63, L3H-163
81	le Flak-Kw	cc prime-mover for light antiaircraft guns	s. Einheits-PKW
83	le Scheinwerfer-Kw I & II	cc prime-mover for light searchlights, with generator	Krupp L2H-42, L2H-143
92	Mannschaft-Entgiftungs-Kw	cc personnel decontamination van	Henschel 33-D1, 33-G1
93	Bekleidungs-Entgiftungs-Kw	cc clothing decontamination van	
94	Wasser-Kw (Kessel)	cc decontamination van (hot water shower)	
95	Kammer-Kw	unit stores van	m. LKW (o.)
100	Drehkran 3 – 5 ton	3 – 5-ton revolving crane on cc carrier	s. gl. LKW (4,5-ton)

Abbreviations and Definitions:

"Carrier"	indicates an open vehicle, covered by a canvas top.
"Truck"	indicates a cargo vehicle with an open payload area, covered by a canvas top.
"Van"	indicates a cargo vehicle with a fully or partially enclosed payload area (body).
"Prime-Mover"	indicates a vehicle for towing equipment, usually modified and adapted for that equipment.
"Sedan"	indicates a passenger vehicle (car) with a closed body.
"Cabrio"	indicates an open passenger vehicle (car) covered by a canvass top.
"cc"	indicates a vehicle with cross-country capability.

A	*Allrad:* all-wheel-drive version. (Makers identification).
S	*Steuerermässigt:* (taxed reduced) qualified for 33% motor vehicle tax reduction, introduced as incentive to increase demand for off-road capable trucks.
(o.)	*(ohne) handelsüblich* : commercial vehicle.
Kfz.	*Kraftfahrzeug:* commercially available chassis and drive train with military body.
Sd.Kfz.	*Sonder Kraftfahrzeug:* specially military body and chassis.
le. / lei.	*leicht:* light
m.	*mittler:* medium
s.	*schwer:* heavy
LKW	*Lastkraftwagen:* load (cargo) motor vehicle (truck or van)
PKW	*Personenkraftwagen:* personnel (passenger) motor vehicle (car)
gl.	*geländegängig:* cross-country
Kw.	*Kraftwagen:* motor vehicle
kl.	*klein:* small/light
gr.	*gross:* large/heavy
gp.	*gepanzert:* armored
wg.	*wassergängig:* amphibious
schw.	*schwimmfähig:* amphibious (alternate)

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
2	Kleines Kettenkrad « KK »	0.5-ton light halftrack n/a
2 /1	Kleines Kettenkrad (Feldfernkabel) « KK (FFK) »	0.5-ton halftrack with telephone cable n/a
2 /2	Kleines Kettenkrad (schwere Feldfernkabel) « KK (s. FFK) »	0.5-ton halftrack with heavy telephone cable n/a
3	Gleisketten-Lastkraftwagen 2-ton (Maultier) « 2-ton *Maultier* »	halftracked 2-ton truck n/a
3 /4	Gleisketten-Lastkraftwagen 2-ton (Maultier) (Krankenwagen) « 2-ton *Maultier* (KrKw) »	halftracked 2-ton ambulance n/a
3 /5	Gleisketten-Lastkraftwagen 4.5-ton (Maultier) « 4.5-ton *Maultier* »	halftracked 4.5-ton truck n/a
4	Gleisketten-Lastkraftwagen 3-ton (Maultier) gepanzert (Munitionskraftwagen) « gep. *Maultier* (muni) »	armored halftracked truck for ammunition transport [transports 20 150mm rockets]
4 /1	15cm Panzerwerfer 43 « Pz.Werf. 43 »	armored halftracked truck with rocket launcher 150mm rocket launcher (10 tubes) [20]
6	mittlerer Zugkraftwagen 5-ton (Pionier-Ausführung) « m. Zgkw. 5t (Pion. Ausf.) »	5-ton halftrack (engineer version) n/a
6 /1	mittlerer Zugkraftwagen 5-ton (Artillerie-Ausführung) « m.Zgkw. 5t (Artl. Ausf.) »	5-ton halftrack (artillery version) n/a
6 /2	3,7cm Flak 36 auf Fahrgestell m. Zugkraftwagen 5-ton « 3,7cm Flak (Sfl) auf lei. Zgkw. 5 t »	self-propelled medium antiaircraft gun on 5-ton halftrack 37mm Flak 18 or 36 [?]
7	mittlerer Zugkraftwagen 8-ton « m. Zgkw. 8t »	8-ton halftrack n/a
7 /1	2cm Flakvierling auf Fahrgestell mittlerer Zugkraftwagen 8-ton « 2cm Flakvierl. (Sf) auf Zgkw. 8t »	self-propelled light quad antiaircraft gun on 8-ton halftrack 20mm quad Flak38 L/112.5 [600]
7 /2	3,7cm Flak 36 /Sfl) auf Fahrgestell mittlerer Zugkraftwagen 8-ton « 2cm Flakvierl. (Sf) auf Zgkw. 8t »	self-propelled antiaircraft gun on 8-ton halftrack 37mm Flak 36 L/98 [?]
7 /6	mittlerer Zugkraftwagen 8-ton (Flakmess) « Zgkw. 8t Flak-Mess »	8-ton halftrack for antiaircraft calibaration equipment n/a
8	schwerer Zugkraftwagen 12-ton « s. Zgkw. 12t »	12-ton halftrack n/a
8	8,8cm Flak (Sf) auf gepanzerter Zugkraftwagen 12-ton « 8,8cm Flak (Sf) auf gep. Zgkw. 12t »	self-propelled heavy antiaircraft gun on armored halftrack 88mm Flak L/56 [40]
9	schwerer Zugkraftwagen 18-ton « Zgkw. 18t »	18-ton halftrack n/a
9 /1	schwerer Drehkranwagen (Hebekraft 6 ton) « s. Drehkran (6 t) »	18-ton halftrack with 6-ton revolving crane (manufactured by Bilstein) n/a
9 /2	schwerer Drehkranwagen (Hebekraft 10 ton) « s. Drehkran (10 t) »	18-ton halftrack with 10-ton revolving crane (manufactured by Demag) n/a
10	leichter Zugkraftwagen 1-ton « lei. Zgkw. 1t »	1-ton halftrack n/a
10 /1	leichter Gasspürwagen « lei. Zgkw. (Gas-Spür) »	1-ton halftrack, light gas detection vehicle with sprinkler n/a
10 /2	leichter Entgiftungskraftwagen « lei. Zgkw. (Entg.) »	1-ton halftrack, light decontamination vehicle n/a
10 /3	leichter Sprühkraftwagen « lei Zgkw. (Sprüh) »	1-ton halftrack, light bulk decontamination vehicle n/a
10 /4	2cm Flak (Sf) auf Fahrgestell leichter Zugkraftwagen 1-ton « 2cm Flak (Sf) aud lei. Zgkw. 1t »	self-propelled light antiaircraft gun on 1-ton halftrack 20mm Flak 30 L/112.5 [280]
10 /5	2cm Flak (Sf) auf gepanzerten Fahrgestell leichter Zugkraftwagen 1-ton « 2cm Flak (Sf) auf gp. lei. Zgkw. 1t »	self-propelled light antiaircraft gun on armored 1-ton halftrack 20mm Flak 38 L/112.5 [280]
11	leichter Zugkraftwagen 3-ton « lei. Zgkw. 3t »	3-ton halftrack n/a
11 /1	Nebelkraftwagen « m. Zgkw. (Nebel) »	3-ton halftrack for towing rocket launchers n/a [10,5cm Nbl.W. 35: 80 rockets; 15cm Nbl.W. 41: 36 rockets; 28/32cm Nebelwerfer 41: 12 rockets plus launching frames]
11 /2	mittlerer Entgiftungskraftwagen « m. Zgkw. (Entg.) »	3-ton halftrack, medium decontamination vehicle n/a
11 /3	mittlerer Sprühkraftwagen « m. Zgkw. (Sprüh) »	3-ton halftrack, medium chemical spraying vehicle (bulk decontamination) n/a

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	----German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
11 /4	Nebelkraftwagen « m. Zgkw. (Nebel) »	3-ton halftrack for towing 15cm rocket launchers n/a [15cm Nbl.W. 41: 36 rockets; 21cm Nbl.W. 42: 10 rockets; 28/32cm Nebelwerfer 41: 4 rockets]
11 /5	Nebelkraftwagen « m. Zgkw. (Nebel) »	3-ton halftrack for towing 21cm rocket launchers n/a [15cm Nbl.W. 41: 36 rockets; 21cm Nbl.W. 42: 10 rockets]
35	Bergepanzer « Berge-Pz. »	armored recovery vehicle (T-34 or KV-I w/o turret) n/a
101	Panzerkampfwagen I « Pz. I »	light tank 2 MG 13 [1525 – 2250]
–	Panzerkampfwagen I, Ausf. F (n.A. verstärkt) « Pz. I , n.A. »	light tank, reinforced armor, Model F 2 MG 34 [2250]
–	4,7cm Pak(t)(Sf) auf Fahrgestell Panzerkampfwagen I « 4,7cm Pak(t) auf Pz-I; [also 4,7cm(t) (mot S)] »	self-propelled antitank gun on Pz-I chassis 47mm Pak(t) L/43.4 [86]
–	15cm sIG 33 auf Panzerkampfwagen I, Ausf. B « 15cm sIG33 auf Pz-I; [also 15cm sIG (mot S)] »	self-propelled heavy infantry gun on Pz-I chassis 150mm L/43.4 [?]
–	Pionier-Panzerwagen I « Pion-Pz. I »	Engineer vehicle (without turret) on Pz-I chassis n/a
111	Munitionsschlepper auf Fahrgestell Panzerkampfwagen I « Muni-Schlepper auf Pz-I »	armored ammunition carrier based on Pz-I chassis varied, depending upon ammuntion type carried
121	Panzerkampfwagen II « Pz. II »	light tank 20mm KwK 30 L/55 [180]
122	Flamm-Panzer-II « Fl.Pz. II »	flame throwing tank on Pz-II basis [320 liters flame oil]
123	Panzerspähwagen II (Luchs 2cm) « lei. Pz-Späh. Wg. *Luchs* »	light, fully tracked recon tank on Pz-II basis 20mm KwK 38 L/55 [330]
123	Panzerspähwagen II (Luchs 5cm) « lei. Pz-Späh. Wg. *Luchs* »	light, fully tracked recon tank on Pz-II basis 50mm KwK L/60 [33]
124	lei. FH 18/2 Selbestfahrlafette auf Pz-II (Wespe) « *Wespe* »	self-propelled light feld howitzter on Pz-II basis 105mm le FH 18/2 [32]
–	Munitions-Selbstfahrlafette auf Pz-II (Wespe) « Muni. Wespe »	armored ammunition carrier for Wespe on same chassis [transports 90 light field howitzer rounds]
–	Geschützwagen II für 15cm sIG « 15cm sIG (sfl)»	self-propelled heavy infantry gun 150mm L/43.4 [30]
–	Pionier-Panzerwagen II « Pion-Pz. II »	Engineer vehicle (without turret) on Pz-II chassis n/a
131	Panzer-Selbstfahrlafette für 7,5cm Pak 40/2 auf Fahrgestell Panzerkampfwagen II « *Marder II*; [also 7,5cm Pak 40 (Sf) auf Pz-II; also Pz Sf 2] »	self-propelled antitank gun on Pz-II chassis 75mm Pak L/43 [37]
132	Panzer-Selbstfahrlafette für 7.62cm Pak 36(r) auf Fahrgestell Panzerkampfwagen II « *Marder II*; [also 7,62cm Pak 36(r)(Sf) auf Pz-II; also Pz Sf 1] »	self-propelled antitank gun on Pz-II chasssis (Models D and E) 76.2mm Pak(r) L/51.5 [30]
135	75mm Pak auf Lorraine-Schlepper (Marder I) « *Marder I* »	self-propelled heavy antitank gun on Lorraine basis 75mm s FH Pak 40/1 [?]
135 /1	s. FH 13/1 Selbestfahrlafette auf Lorraine-Schlepper « s.FH (sfl) auf Lorraine »	self-propelled heavy feld howitzter on Lorraine basis 150mm s FH 13/1 [8]
–	Panzerkampfwagen 35 (t) « Pz-35(t) »	Czech medium tank (designation changed from LTM 35 on 16.01.40) 37mm A33 L/42 [72]
–	Panzerbefehlwagen 35 (t) « Pz-Bef-Wg 35(t) »	Czech medium command tank 37mm A33 L/42 [?]
–	Mörserwagen 35 (t) « Mörs.Wg. 35(t) »	tracked prime mover for heavy mortar on Czech medium tank basis n/a
–	Zugkraftwagen 35 (t) « Zgkw. 35(t) »	tracked prime mover based on Czech medium tank n/a
–	Panzerkampfwagen 38(t), Ausführung A – G « Pz-38(t) »	Czech medium tank (designation changed from LTM 38 on 16.01.40) 37mm A7 L/42 [90]
–	Panzerbefehlwagen 38(t) « Pz-Bef-Wg 38(t) »	Czech medium command tank 37mm A7 L/42 [?]
138	Panzerjäger 38(t), Ausf. H für 7,5cm Pak « *Marder III* »	self-propelled antitank gun on Pz-38(t) chassis 75mm Pak 40/3 L/48 [38]
138	Panzerjäger 38(t), Ausf. M für 7,5cm Pak « *Marder III* »	self-propelled antitank gun on Pz-38(t) chassis 75mm Pak 40/3 L/48 [27]
138	Munitionsfahrzeug für 15cm s. IG selbstfahrlafette « Muni. Fahrzeug für 15cm s.IG Sfl »	armored ammunition carrier for Bison on same chassis [transports 40 infantry gun rounds]

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
138 /1	s.IG auf Selbstfahrlafette 38(t) « s.IG (sfl) *Grille*»	self-propelled heavy infantry gun on Pz-38(t) chassis 150 sIG 33/1 L/11 [15]
138 /2	Jagdpanzer 38 « *Hetzer* »	light tank destroyer on Pz-38(t) basis 75mm Pak 39 L/48 [41]
–	Flammpanzer 38 « Flamm-Pz 38 »	flame tank based on *Hetzer* hull [700 liters flame oil]
–	Bergepanzer 38 « Berge-Pz 38 »	recovery tank based on *Hetzer* hull n/a
–	15cm schwerer Infanteriegeschütz 33/2 auf Jagdpanzer 38 « 15cm sIG 33/2 auf PzJg 38(t) »	self-propelled heavy infantry gun based on *Hetzer* hull 150mm sIG 33/2 [?]
139	Panzerjäger 38(t) für 7,62cm Pak 36(r) « *Marder III* »	self-propelled antitank gun on Pz-38(t) chassis 76.2mm Pak(r) L/51.5 [30]
140	Flakpanzer 38 « Flak-Pz-38 »	Self-propelled antiaircraft gun based on Czech Pz-38(t) 20mm Flak 38 [540]
140 /1	Aufklärungspanzer 38(t) (2cm) « Aufkl-Pz-38(t) (2cm) »	Czech reconnaissance tank based on Pz-38(t) 20mm KwK 38 [108]
140 /1	Aufklärungspanzer 38(t) (7,5cm) « Aufkl-Pz-38(t) (7,5cm) »	Czech reconnaissance support tank based on Pz-38(t) 75mm KwK 37 L/24 [?]
141	Panzerkampfwagen III, Ausführung A – G « Pz. III (3,7cm) »	medium tank, Models A – G 37mm KwK 35/36 L/45 [120]
141	Panzerkampfwagen III, Ausführung H – J « Pz. III (5cm); [also Pz-III (kz)] »	medium tank, Models H – J 50mm KwK L/42 [99]
141 /1	Panzerkampfwagen III, Ausführung J – L « Pz. III (5cm); [also Pz-III (lg)] »	medium tank, Model J – L 50mm KwK L/60 [84 – 78]
141 /2	Panzerkampfwagen III, Ausf. M – N «Pz. III (7,5cm) »	medium tank, Models M – N 75mm KwK 37 L/24 [84 – 64]
141 /3	Flammpanzer III « Flamm-Pz. III »	medium flame-throwing tank [1020 liters flame oil]; MG [3750]
–	SturmInfanteriegeschütz 33B « St. Inf. Gesch. 33 «	self-propelled, armored heavy infantry gun on Sturmgeschütz basis 150mm Stu IG L/11 [30]
142	7,5cm Sturmgeschütz 40, Ausführung A – D « Sturmgeschütz III [also: Stu. Gesch. III] »	assault gun, Model A – D 75mm StuK 37 L/24 [44]
142	7,5cm Sturmgeschütz 40, Ausführung E « Sturmgeschütz III [also: Stu. Gesch. III] »	assault gun, Model E 75mm StuK 37 L/24 [50]
142	7,5cm Sturmgeschütz 40, Ausführung F « Sturmgeschütz III [also: Stu. Gesch. III] »	assault gun, Model F 75mm StuK 37 L/24 [44]
142 /1	7,5cm Sturmgeschütz 40, Ausführung F8 – G « Sturmgeschütz III [also: Stu. Gesch. III] »	assault gun, Model F8 – G 75mm StuK40 L/43 [54]
142 /2	7,5cm Sturmhaubitze, Ausführung F – G « Sturmhaubitze III [also: Stu. Haub. III] »	assault howitzer, Model F – G 105mm StuH 42 L/28 [36]
143	Panzer-Beobachtungswagen III « Pz. Beob. Pz. III »	armored artillery observation tank MG [2100]
161	Panzerkampfwagen IV, Ausführung A - F_1 « Pz. IV [also: Pz-IV(kz)] »	medium tank, Models A – F_1 75mm KwK 37 L/24 [80]
161 /1	Panzerkampfwagen IV, Ausführung F_2 – G « Pz. IV [also: Pz-IV(lg)] »	medium tank, Models F_2 – G 75mm KwK 40 L/43 [87]
161 /2	Panzerkampfwagen IV, Ausführung H – J « Pz. IV [also: Pz-IV(lg)] »	medium tank, Models H – J 75mm KwK 40 L/48 [87]
161 /3	Flakpanzer-IV « Flak-Pz 3,7cm [*Ostwind*] »	antiaircraft tank 37mm Flak 43 L/98 [400]
161 /4	Flakpanzer-IV « Flak-Pz 2cm-Vierling [*Wirbelwind*] »	antiaircraft tank 20mm quad Flak 38 [1000]
–	Panzer-Flak Sfl IV « Pz-Flak IV [*Möbelwagen*] »	antiaircraft tank 37mm Flak 43 L/98 [416]
162	7,5cm Pak 39 auf Fahrgestell Panzerkampfwagen IV « Jagdpanzer IV »	self-propelled heavy antitank gun on Pz-IV basis 75mm Pak 39 L/48 [79]
162 /1	7,5cm StuK 42 auf Fahrgestell Panzerkampfwagen IV, Ausführung A « Panzer-IV/70 (A) »	tank destroyer on Pz-IV basis 75mm StuK 42 L/70 [55]
162 /1	7,5cm StuK 42 auf Fahrgestell Panzerkampfwagen IV, Ausführung V « Panzer-IV/70 (V) »	tank destroyer on Pz-IV basis 75mm StuK 42 L/70 [55]

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
163	7,5cm Sturmgeschütz IV « Sturmgeschütz IV [also: StuG IV] »	assault gun based on Pz-IV 75mm StuK40 L/48 [63]
164	8,8cm Pak 43/1 auf Fahrgestell Panzerkampfwagen III/IV (Hornisse) « *Hornisse*; [as of 1944: *Nashorn*] »	self-propelled heavy antitank gun on mixed Pz-III/IV basis 88mm Pak 43/1 L/71 [40]
165	s. Panzerhaubitze 18/1 auf Fahrgestell III/IV (Hummel) « *Hummel* »	self-propelled heavy field howitzer on mixed Pz-III/IV basis 150mm sFH 18/1 [18]
–	Munitionsfahrzeug für 15cm s. IG selbstfahrlafette « Muni. Fahrzeug für 15cm s.IG Sfl »	armored ammunition carrier for Hummel on same chassis [transports 60 heavy field howitzer rounds]
165 /1	leichte Feldhaubitze (Sfl) / Geschützwagen IVb « leFH (sfl) »	self-propelled light field howitzer on Pz-IV basis 105mm leFH 18/1 [60]
166	s. IG auf Panzerkampfwagen-IV Fahrgestell (Sturmpanzer) « Stu-Pz IV [aka *Brummbär*] »	armored, self-propelled heavy infantry gun on Pz-IV chassis 150mm StuH 43 L/12 [38]
–	10,5cm Kanone 18 auf Panzer-Selbstfahrlafette IVa « 10,5cm K18 auf Pz-Sfl IVa »	self-propelled gun on Pz-IV chassis 105mm StuK 18/1 L/52 [25]
171	Panzerkampfwagen V (Panther), Ausführung D, A « *Panther* »	medium tank, Models D and A 75mm KwK 42 L/70 [79]
171	Panzerkampfwagen V (Panther), Ausführung G « *Panther* »	medium tank, Models G 75mm KwK 42 L/70 [82]
173	Jagdpanzer V « *Jagdpanther* »	tank destroyer on *Panther* basis 88mm Pak 43/3 L/71 [57]
179	Bergepanther « Berge-Pz-V »	armored recoverey vehicle on *Pather* basis 20mm KwK 38 [?]
181	Panzerkampfwagen VI (Tiger I), Ausführung E « *Tiger I* »	heavy tank, Model E 88mm KwK 36 L/56 [92]
–	Panzer-Mörser 38cm auf VI (Tiger) « *Sturmtiger* »	self-propelled heavy rocket launcher on Pz-VI(I) chassis 380mm rocket laucher [12]
182	Panzerkampfwagen VI (Tiger II), Ausführung B « *Tiger II* [aka *Königstiger]* »	heavy tank 88mm KwK 43 L/71 [72–84]
184	Panzerjäger Tiger (P) für 8,8cm Pak 43 (Ferdinand) « *Ferdinand*; [later *Elefant*] »	self-propelled, heavy antitank gun on prototype Pz-VI chassis 88mm StuK 43/1 L/71 [55]
186	schwere Panzerjäger, Ausführung B « *Jagdtiger*»	heavy tank destroyer 128mm Pak 44 L/55 [40]
221	leichter Panzerspähwagen (MG) « lei. Pz-Späh. Wg. (MG) »	light armored car (4x4) MG [1020]
221	leichter Panzerspähwagen (schwere Panzerbüchse 41) « le. Pz-Späh. Wg. (sPzBü 41) »	light armored car (4x4) 28mm sPzBü 41 [180]
222	leichter Panzerspähwagen (2cm) « le. Pz-Späh. Wg. (2cm) »	light armored car (4x4) 20mm KwK 38 L/55 [180]
223	leichter Panzerspähwagen (Funk) « le. Pz-Späh. Wg. (Fu) »	light armored radio car (4x4) MG [1050]
231	schwerer Panzerspähwagen (2cm)(6-Rad) « s. Pz-Späh. Wg. (2cm) »	heavy armored car (6x4) 20mm KwK 30 L/55 [200]
232	schwerer Panzerspähwagen (Funk)(6-Rad) « s. Pz-Späh. Wg. (Fu) »	heavy armored radio car (6x4) 20mm KwK 30 L/55 [200]
231	schwerer Panzerspähwagen (2cm)(8-Rad) « s. Pz-Späh. Wg. (2cm) 8-Rad »	heavy armored car (8x8) 20mm KwK 30 L/55 [180]
232	schwerer Panzerspähwagen (Funk)(8-Rad) « s. Pz-Späh. Wg. (Fu) 8-Rad »	heavy armored radio car (8x8) 20mm KwK 30 L/55 [180]
233	schwerer Panzerspähwagen (7,5cm)(8-Rad) « s. Pz-Späh. Wg. (7,5cm) 8-Rad »	heavy armored radio car (8x8) 75mm StuK 37 L/24 [32]
234 /1	schwerer Panzerspähwagen (2cm) « Pz-Späh. Wg. (2cm) »	heavy armored car (8x8) 20mm KwK 30 L/55 [250]
234 /2	schwerer Panzerspähwagen (5cm) « Pz-Späh. Wg. (2cm) [aka *Puma*] »	heavy armored car (8x8) 50mm KwK 39/1 L/60 [55]
234 /3	schwerer Panzerspähwagen (7,5cm) « Pz-Späh. Wg. (7,5cm) »	heavy armored car (8x8) 75mm K-51 L/24 [50]
234 /4	schwerer Panzerspähwagen (7,5cm Pak) « Pz-Späh. Wg. (7,5cm Pak) »	heavy armored car (8x8) 75mm Pak 40 [12]
247	schwerer geländegängiger gepanzerter Personenkraftwagen (4-Rad) « s. gl. gep. PKW »	heavy armored staff car (4x4) n/a
247	schwerer geländegängiger gepanzerter Personenkraftwagen (6-Rad) « s. gl. gep. PKW »	heavy armored staff car (6x4) n/a

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
250 /1	leichter Schützenpanzerwagen « le. SPW »	light armored halftrack, personnel carrier MG [2010]
250 /1	leichter Schützenpanzerwagen « le. SPW »	light armored halftrack, heavy machine gun section carrier MG [2010]
250 /2	leichter Fernsprechpanzerwagen « le. Fe. Pzwg. »	light armored halftrack, telephone & wire carrier MG [1100]
250 /3	leichter Funkpanzerwagen « le. Fu. Pzwg. »	light armored halftrack, radio carrier MG [1100]
250 /4	leichter Beobachtungs-Panzerwagen « le. Beob. Pzwg. »	light armored halftrack, obervation vehicle MG [1100]
250 /5	leichter Beobachtungspanzerwagen « le. Beob. Pzwg. »	light armored halftrack, observation vehicle MG [2010]
250 /5	leichter Aufklärungspanzerwagen « le. Beob. Pzwg. »	light armored halftrack, reconnaissance vehicle MG [2010]
250 /6	leichter Munitionspanzerwagen « le. Muni. Pzwg. »	light armored halftrack, ammunition carrier MG [1100] [transports 70 L/24 or 60 L/43 rounds]
250 /7(I)	leichter Schützenpanzerwagen (schwere Granatwerfer) « le. SPW (Gr Wfr) »	light armored halftrack, mortar carrier 81mm mortar [42]
250 /7(II)	leichter Schützenpanzerwagen (Munitionsfahrzeug) « le. SPW (Muni) »	light armored halftrack, 81mm mortar ammunition carrier MG [2010] [transports 66 mortar rounds]
250 /8	leichter Kanonenpanzerwagen (7,5cm) « le. SPW (2cm) »	light armored halftrack, support vehicle 75mm KwK 51 L/24 [20]
250 /9	leichter Schützenpanzerwagen (2cm) « le. SPW (2cm) »	light armored halftrack, reconnaissance vehicle 20mm KwK 38 [100]
250 /10	leichter Schützenpanzerwagen (3,7cm Pak) « le. SPW (3,7cm) »	light armored halftrack, Platoon Leader vehicle 37mm Pak L/45 [216]
250 /11	leichter Schützenpanzerwagen (schwere Panzerzbüchse 41) « le. SPW (sPzBü 41) »	light armored halftrack, Platoon Leader vehicle 28mm PzBü 41 [168]
250 /11	leichter Messtrupp-Auswertungs-Panzerwagen « le. Mess-Trupp-Pzwg. »	light armored halftrack, Calibration Section vehicle MG [1040]
251 /1	mittlerer Schützenpanzerwagen « m. SPW »	medium armored halftrack, personnel carrier MG [2010]
251 /2	mittlerer Schützenpanzerwagen (Granatwerfer) « m. SPW (Gr Wfr) »	medium armored halftrack, mortar carrier 81mm mortar [66]
251 /3	mittlerer Funkpanzerwagen « m. Fu. Pzwg. »	medium armored halftrack, radio carrier MG [2010]
251 /4	mittlerer Schützenpanzerwagen (Infanteriegeschütz) « m. SPW (IG) »	medium armored halftrack, light IG prime-mover MG [1100] [transports 120 rounds of 75mm ammo]
251 /5	mittlerer Pionierpanzerwagen « m. Pion. Pzwg. »	medium armored halftrack, engineer vehicle MG [4800]
251 /6	mittlerer Kommandopanzerwagen « m. Pion. Pzwg. »	medium armored halftrack, command vehicle MG [1100]
251 /7	mittlerer Pionierpanzerwagen « m. Pion. Pzwg. »	medium armored halftrack, engineer vehicle MG [4800]
251 /8	mittlerer Krankenpanzerwagen « m. Kranken-Pzwg. »	medium armored halftrack, ambulance n/a
251 /9	mittlerer Schützenpanzerwagen (7,5cm) « m. SPW (7,5cm) »	medium armored halftrack, self-propelled light gun 75mm KwK 37 L/24 [32]
251 /10	mittlerer Schützenpanzerwagen (3,7cm Pak) « m. SPW (3,7cm) »	medium armored halftrack, Platoon Leader vehicle 37mm Pak L/45 [168]
251 /10	mittlerer Schützenpanzerwagen (sPzBü) « m. SPW (sPzBü) »	medium armored halftrack, Platoon Leader vehicle 28mm sPzBü 41 L/28/20 [168]
251 /11	mittlerer Fernsprech-Panzerwagen « m. SPW (Fe) »	medium armored halftrack, telephone cable-laying vehicle MG [1100]
251 /12	mittlerer Meßtrupp- und Gerät-Panzerwagen « m. Meßtrupp Pzwg. »	medium armored halftrack, Calibration Section equipment vehicle MG [1100]
251 /13	mittlerer Schallaufnahme-Panzerwagen « m. Schall-Aufnahme-Pzwg. »	medium armored halftrack, sound recording vehicle MG [1100]
251 /14	mittlerer Schallauswerte-Panzerwagen « m. Schall-Auswerte-Pzwg. »	medium armored halftrack, sound ranging vehicle MG [1100]

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
251 /15	mittlerer Lichtauswerte-Panzerwagen « m. Licht-Auswerte-Pzwg. »	medium armored halftrack, sound flash ranging vehicle MG [1100]
251 /16	mittlerer Flamm-Panzerwagen « m. SPW (Flamm) »	medium armored halftrack, with 2 pivoted flame throwers 80 bursts of 2 – 3 seconds (700 liters flame oil); MG [2100]
251 /17	mittlerer Flak-Panzerwagen « m. SPW (2cm) »	medium armored halftrack, self-propelled light antiaircraft gun 20mm Flak 38 [600]
251 /18	mittlerer Beobachtungs-Panzerwagen « m. Beob-Pzwg. »	medium armored halftrack, observation vehicle MG [1100]
251 /19	mittlerer Fernsprech.Betriebs-Panzerwagen « m. Fs.Betr.-Pzwg. »	medium armored halftrack, telephone operations vehicle MG [1100]
251 /20(I)	mittlerer Panzerwagen (Uhu) « m. Pzwg. (Uhu) »	medium armored halftrack, infrared projector vehicle MG [1100]
251 /20(II)	mittlerer Panzerwagen (Falke) « m. Pzwg. (Falke) »	medium armored halftrack, infrared viewer vehicle MG [1100]
251 /21	mittlerer Panzerwagen (MG 151/15 Drilling) « m. SPW (MG 1,5cm) »	medium armored halftrack, self-propelled light antiaircraft gun 15mm triple MG 151/15 [3000]
251 /21	mittlerer Panzerwagen (MG 151/20 Drilling) « m. SPW (MG 2cm) »	medium armored halftrack, self-propelled light antiaircraft gun 20mm triple MG 151/20 [3000]
251 /22	mittlerer Panzerwagen (7,5cm Pak) « m. SPW (7,5cm Pak) »	medium armored halftrack, self-propelled antitank gun 75mm Pak 40 L/48 [22]
251 /23	mittlerer Panzerwagen (2cm Flak) « m. SPW (2cm Flak) »	medium armored halftrack, self-propelled light antiaircraft gun 20mm KwK 38 L/55 [180]
252	leichter gepanzerter Munitionswagen « le. gep. Muni-Wg. »	light armored halftrack, ammunition carrier MG [1020]
253	leichter gepanzerter Beobachtungswagen « le. gep. Beob. Wg. »	light armored halftrack, observation vehicle MG [1100]
254	mittlerer gepanzerter Beobachtungswagen « m. gep. Beob. Wg. »	medium armored wheeled/tracked observation vehicle MG [1100]
260	kleiner Panzerfunkwagen « kl. Pz. Fu. Wg. »	light armored radio car (4x4) n/a
261	kleiner Panzerfunkwagen « kl. Pz. Fu. Wg. »	light armored radio car (4x4) n/a
263	schwerer Panzerfunkwagen « s. Pz. Fu. Wg. »	heavy armored radio car (6x4) MG [1020]
266	Panzerbefehlswagen « gr. Pz-Bef-Wg. »	command tank based on Pz-III, Pz-IV, Pz-V, or Pz-VI MG [1500]
267	Panzerbefehlswagen « gr. Pz-Bef-Wg. »	command tank based on Pz-III, Pz-IV, Pz-V, or Pz-VI MG [1500]
268	Panzerbefehlswagen « gr. Pz-Bef-Wg. »	command tank based on Pz-III, Pz-IV, Pz-V, or Pz-VI MG [1500]
300	Minenräumwagen B-I & B-II « Minenräum-Wg. »	tracked mineclearing vehicle, Model B-I & B-II n/a
301	schwere Ladungsträger B-IV « B-IV »	tracked, remote-controlled demolition vehicle, Model B-IV n/a
302	Leichte Ladungsträger Goliath, Ausf. A « *Goliath* »	tracked, remote-controlled demolition vehicle, Model A (electric) n/a
303	Leichte Ladungsträger Goliath, Auf. B « *Goliath* »	tracked, remote-controlled demolition vehicle, Model B (gasoline) n/a
304	mittlere Ladungsträger « *Springer* »	tracked, remote-controlled demolition vehicle n/a

Notes:
For the sake of completeness, this list includes the unnumbered vehicles belonging to the same family of vehicles.

GERMAN SPECIAL MILITARY TRAILERS AND MILITARY TRAILERS

German Trailers

Besides the numbered trailers listed below, there were also trailers without numbers. These were identified by load factor, number of axles, open or covered, and/or purpose. Furthermore, upon mobilization, the German military requisitioned trailers from the civilian sector. These trailers were strictly for use by road-bound units, and only found in rear-echelon units where they provided a valuable increase in transportation capacity. There were even trailers built specifically for towing horse drawn equipment with motor vehicles.

A few military horse-drawn vehicles (wagons and carts) were modified for towing by motor vehicles by the addition of wheel and parking brakes, rubber-rimmed or even pneumatic tires, rear lights, and towing arrangements.

Some horse-drawn wagon and carts were issued with towing bars allowing them to be towed by motor vehicles.

It was not unusual, specially in the non-motorized units, that unmodified horse-drawn vehicles be towed by motor vehicles. Naturally at comparatively low speeds.

Although many combat units had trailers for guns, ammunition, components of heavy guns, generators, bridging equipment, etc., convoy speed of all vehicles was reduced when towing trailer, and maneuverability was hampered off-road. However, the expense of motor vehicles made the use of trailers an attractive alternative.

Sd.Anh.=Sonder Anhänger			***Special Trailers with numbers***
Sd.Anh.	1	(1 Achsig) für kleines Kettenkrad	trailer (1 axle) for Kettenkrad
Sd.Anh.	1/1	(1 Achsig) für kleines Kettenkrad	trailer (1 axle) for Kettenkrad
Sd.Anh.	1/2	(1 Achsig) für kleines Kettenkrad für schweres Feldkabel	trailer (1 axle) for Kettenkrad, with heavy telephone field cable.
Sd.Anh.	3	(1 Achsig) für leichte Lasten	trailer (1 axle) for transporting light artillery guns (7,5cm leFK 16 and 10,5cm leFH 16)
Sd.Anh.	4	(1 Achsig) für mittlere und schwere Lasten	trailer (1 axle) for transporting medium and heavy artillery guns (15cm sFH 13)
Sd.Anh.	5	(1 Achsig) für Artilleriemunition	trailer (1 axle) for artillery ammunition
Sd.Anh.	7	(1 Achsig) für Munition (Nbl. Wfr.)	trailer (1 axle) for Nebelwerfer ammunition
Sd.Anh.	8	(1 Achsig) für Veterinärgerät	trailer (1 axle) for veterinary equipment
Sd.Anh.	11	(1 Achsig) für Entseuchung mit Brausevorrichtung	trailer (1 axle) for decontamination with showers
Sd.Anh.	13	(1 Achsig) für M-Boot (100 PS MB 41)	trailer (1 axle) for motorboat (100 HP Type MB 41)
Sd.Anh.	14	(1 Achsig) für Abschleppzwecke	trailer (1 axle) for motor vehicle towing and recovery
Sd.Anh.	15	(1 Achsig) für Fährseil	trailer (1 axle) for winch
Sd.Anh.	20	(1 Achsig) für Erdkabel	trailer (1 axle) for underground telephone cable
Sd.Anh.	21	(2 Achsig) für Fernsprechbau	trailer (1 axle) for telephone contstruction
Sd.Anh.	22	(1 Achsig) Azetylen-Erzeugeranhänger	trailer (1 axle) for generator for Acetylene gas
Sd.Anh.	23	(1 Achsig) für Sammlerladegerät D	trailer (1 axle) for Generator Type D for recharging batteries
Sd.Anh.	23/1	(1 Achsig) für Maschinensatz 220/65V; 4,5/1,3 Kw	trailer (1 axle) for Generator 220/65 Volt, 4.5/1.3 Kw
Sd.Anh.	24	(1 Achsig) für Maschinensatz I	trailer (1 axle) for Generator Type I
Sd.Anh.	24	(1 Achsig) für Maschinensatz A (Drehstrom 15k VA)	trailer (1 axle) for Generator Type A for 15k AC
Sd.Anh.	25	(1 Achsig) für Feldfernkabel	trailer (1 axle) for heavy telephone field cable
Sd.Anh.	25/1	(1 Achsig) für Maschinensatz F	trailer (1 axle) for Generator Type F
Sd.Anh.	25/2	(1 Achsig) für Nachrichtengerät	trailer (1 axle) for signal equipment
Sd.Anh.	25/3	(1 Achsig) Beleuchtungsanhänger N	trailer (1 axle) for Lighting Equipment Type N
Sd.Anh.	25/4	(1 Achsig) Nachschubanhänger	trailer (1 axle) for supply
Sd.Anh.	25/3	(1 Achsig) Beleuchtungsanhänger N	trailer (1 axle) for lighting equipment
Sd.Anh.	26	(1 Achsig) für Führungsfernkabel	trailer (1 axle) for command telephone heavy cable
Sd.Anh.	28	(1 Achsig) für Peilanhänger (für Peiltrupp (LMW)	trailer (1 axle) for direction finder of a Direction Finding Section
Sd.Anh.	29	(1 Achsig) für für gepanzerten Munitionsschlepper	trailer (1 axle) for ammunition (for armored ammunition carrier)
Sd.Anh.	30	(1 Achsig) Wassertankanhänger	trailer (1 axle) for water tank
Sd.Anh.	31	(1 Achsig) für Munition Type A	trailer (1 axle) for ammunition Type A
Sd.Anh.	31/1	(1 Achsig) für Munition (7,5cm StuK 40)	trailer (1 axle) for ammunition for 7.5cm Assault Gun Model 40
Sd.Anh.	32	(1 Achsig) für Munition (3,7cm Pak)	trailer (1 axle) for ammunition for 3,7cm Antitank Gun
Sd.Anh.	32/1	(1 Achsig) für Munition (7,5cm)	trailer (1 axle) for ammunition for 7.5cm
Sd.Anh.	32/2	(1 Achsig) für Munition (s. Pz Bü 41)	trailer (1 axle) for ammunition for heavy antitank rifle Model 41
Sd.Anh.	32/3	(1 Achsig) für s. Pz Bü 41auf leichte Feldlafette	trailer (1 axle) for heavy antitank rifle Model 41 on light field carriage
Sd.Anh.	33	(1 Achsig) für Nebelwerfermunition	trailer (1 axle) for ammunition (rocket launcher)
Sd.Anh.	34	(1 Achsig) für Entgiftungsanhänger	trailer (1 axle) for decontamination
Sd.Anh.	35	(1 Achsig) für Teigknetanhänger	trailer (1 axle) for dough mixer
Sd.Anh.	36	(1 Achsig) für leichten Ladungschlepper	trailer (1 axle) for remote control vehicle (Goliath)
Sd.Anh.	40	(1 Achsig) Panzerbergeanker als Anhänger	trailer (1 axle) for tank recovery anchor
Sd.Anh.	46	(1 Achsig) schmalspurig	trailer (1 axle) with narrow wheel spacing
Sd.Anh.	51	(1 Achsig) Beleuchtungsanhänger (Vermessungstrupp (mot))	trailer (1 axle) for electricity generator in enclosed body for Calibration Detachment
Sd.Anh.	51	(1 Achsig) für 2cm Geschütz 30 mit Munition- und Zubehörkasten	trailer (1 axle) for 2cm antiaircraft gun Model 30 with ammo and equipment boxes
Sd.Anh.	51	(1 Achsig) für Scheinwerfer 60cm mit Zubehörkasten	trailer (1 axle) for 60cm antiaircraft searchligh with equipment boxes
Sd.Anh.	51	(1 Achsig) für 2cm Flak 38 mit Munition- und Zubehörkasten	trailer (1 axle) for 20mm antiaircraft gun Model 38 with ammo and equipment boxes
Sd.Anh.	52	(1 Achsig) für 2cm Flak Vierling 38/1 mit Munition- und Zubehörkasten	trailer (1 axle) for 2cm quad antiaircraft gun Model 38/1 with ammo and equipment boxes
Sd.Anh.	52	(1 Achsig) für 3,7cm Flak 36/37 mit Munition- und Zubehörkasten	trailer (1 axle) for 3.7cm antiaircraft gun Model 36/37 with ammo and equipment boxes
Sd.Anh.	52	(1 Achsig) für Kommando-Gerät 40	trailer (1 axle) for antiaircraft fire direction computer Model 40
Sd.Anh.	53	(1 Achsig) für Kommando-Hilfsgerät 35	trailer (1 axle) for antiaircraft auxiliary fire direction computer Model 35
Sd.Anh.	54	(1 Achsig) für Kinotheodolit für Flakmess-Auswerte-Zug	trailer (1 axle) for antiaircraft optical tracking computer for Calibration Evaluation Platoon
Sd.Anh.	55	(1 Achsig) für V°-Messgerät Flak	trailer (1 axle) for antiaircraft muzzle velocity calibration equipment
Sd.Anh.	56	(1 Achsig) für 2cm Flak mit Munition- und Zubehörkasten	trailer (1 axle) for 2cm quad antiaircraft gun with ammo and equipment boxes
Sd.Anh.	56	(1 Achsig) für 2cm Flakvierling 38/1 mit Munition- und Zubehörkasten	trailer (1 axle) for 2cm quad antiaircraft gun Model 38/1 with ammo and equipment boxes
Sd.Anh.	57	(1 Achsig) für 3,7cm Flak mit Munition- und Zubehörkasten	trailer (1 axle) for 3.7cm antiaircraft gun with ammo and equipment boxes
Sd.Anh.	58	(1 Achsig) für 3,7cm Flak 43 mit Munition- und Zubehörkasten	trailer (1 axle) for 3.7cm antiaircraft gun Model 43 with ammo and equipment boxes
Sd.Anh.	58	(1 Achsig) für 3,7cm Flak 43/1 mit Munition- und Zubehörkasten	trailer (1 axle) for 3.7cm antiaircraft gun Model 43/1 with ammo and equipment boxes
Sd.Anh.	101	(2 Achsig) für Flakhorchgerät	trailer (2 axle) for antiaircraft sound tracking equipment
Sd.Anh.	101	(2 Achsig) für mittleren Flak-Maschinensatz	trailer (2 axle) for antiaircraft generator for sound tracking equipment
Sd.Anh.	102	(2 Achsig) für Flak-Scheinwerfer 110cm	trailer (2 axle) for antiaircraft searchlight (110cm)
Sd.Anh.	102	(2 Achsig) für Flak-Maschinensatz	trailer (2 axle) for antiaircraft generator for searchlight (110cm)
Sd.Anh.	103	(2 Achsig) für mittlere und schwere Lasten	trailer (2 axle) for medium and heavy cargo
Sd.Anh.	104	(2 Achsig) für 150cm Flak-Scheinwerfer	trailer (2 axle) for 150cm antiaircraft searchlight
Sd.Anh.	104	(2 Achsig) für Maschinensatz 24 Kw für 150cm Flak-Scheinwerfer	trailer (2 axle) for generator Model 24Kw for 150cm antiaircraft searchlight
Sd.Anh.	104	(2 Achsig) für Sperrballonwinde	trailer (2 axle) for winch for antiaircraft barrage ballon
Sd.Anh.	104	(2 Achsig) für Funkmessgerät 39 TD	trailer (2 axle) for antiaircraft radar Model 39TD
Sd.Anh.	104	(2 Achsig) für 3,7cm Flak 18	trailer (2 axle) for 3.7cm antiaircraft gun Model 18
Sd.Anh.	104	(2 Achsig) für Kommandogerät 36	trailer (2 axle) for antiaircraft fire direction computer Model 36
Sd.Anh.	104	(2 Achsig) für Richtring-Richtungshörer (RRH)	trailer (2 axle) for antiaircraft sound tracking equipment
Sd.Anh.	105	(2 Achsig) Backanhänger	trailer (2 axle) for baking oven
Sd.Anh.	106	(2 Achsig) Backanhänger	trailer (2 axle) for baking oven
Sd.Anh.	107	(2 Achsig) Grosskühlbehälteranhänger	trailer (2 axle) for refrigeration
Sd.Anh.	108	(2 Achsig) für S-Boot (Pionier-Strumboot 39)	trailer (2 axle) for three assault boats (Engineer Assault Boat Model 39)

GERMAN SPECIAL MILITARY TRAILERS AND MILITARY TRAILERS

Sd.Anh.	109	(2 Achsig) leichter Vermessungsanhänger	trailer (2 axle) for light calibration equipment
Sd.Anh.	111	(2 Achsig) schwerer Vermessungsanhänger	trailer (2 axle) for heavy calibration equipment
Sd.Anh.	113	(3 Achsig) für Langerät (8 ton)	trailer (3 axle) for cargo, long (8 ton)
Sd.Anh.	115	Tiefladeanhänger für PzKfpWg 10–12 ton	trailer (2 axle) low boy (also: low bed) for armored vehicles (10 – 12 ton)
Sd.Anh.	116	Tiefladeanhänger für PzKfpWg 22 ton	trailer (4 axle) low boy (also: low bed) for armored vehicles (22 ton)
Sd.Anh.	119	(2 Achsig) für 100 PS-Motorboot	trailer (2 axle) for motorboat (100 HP Type MB 41)
Sd.Anh.	120	(2 Achsig) für 250 PS-Motorboot	trailer (2 axle) for motorboat (250 HP Type MB 42)
Sd.Anh.	121	Tiefladeanhänger für PzKfpWg 65 ton	trailer (6 axle) low boy (also: low bed) for armored vehicles (65 ton)
Sd.Anh.	127	(2 Achsig) Mastanhänger	trailer (2 axle) for mast antenna
Sd.Anh.	141	(2 Achsig) für Pionier-Landungs-Fahrzeug 20-ton	trailer (2 axle) for engineer landing vehicle (20ton)
Sd.Anh.	201	(2 Achsig) für 8,8cm Flak	trailer (2 axle) for 8.8cm antiaircraft gun
Sd.Anh.	202	(2 Achsig) für 8,8cm Flak 37/37	trailer (2 axle) for 8.8cm antiaircraft gun Model 36/38
Sd.Anh.	202	(2 Achsig) für 8,8cm Flak 41	trailer (2 axle) for 8.8cm antiaircraft gun Model 41
Sd.Anh.	203	(2 Achsig) für 10,5cm Flak 38/39	trailer (2 axle) for 10.5cm antiaircraft gun Model 38/39
Sd.Anh.	203	(2 Achsig) für Fahrgerüst für schwere 12,8cm Flak (o)	trailer (2 axle) for mobilizing the static, heavy 12,8cm antiaircraft gun
Sd.Anh.	203	(2 Achsig) Transportbrücke für 12,8cm Flak-Zwilling	trailer (2 axle) for 12.8cm twin antiaircraft gun
Sd.Anh.	204	(2 Achsig) für 5cm Flak 41	trailer (2 axle) for 5cm antiaircraft gun Model 41
Sd.Anh.	204	(2 Achsig) für 200cm Flak-Scheinwerfer	trailer (2 axle) for 200cm antiaircraft searchlight
Sd.Anh.	204	(2 Achsig) für Maschinensatz für 200cm Flak-Scheinwerfer	trailer (2 axle) for generator for 200cm antiaircraft searchlight
Sd.Anh.	204	(2 Achsig) für Maschinensatz 60 kW	trailer (2 axle) for generator Model 60Kw
Sd.Anh.	204	(2 Achsig) für Sperrballonwinde	trailer (2 axle) for winch for barrage ballon
Sd.Anh.	205	(2 Achsig) Rohrwagen für 10,5cm Flak	trailer (2 axle) for barrel wagon for 10.5cm antiaircraft gun
Sd.Anh.	206	(2 Achsig) für 5,5cm Flak 58	trailer (2 axle) for 5.5cm antiaircraft gun Model 58
Sd.Anh.	206	(2 Achsig) für 3,7cm Flak-Zwilling 43	trailer (2 axle) for 3.7cm dual antiaircraft gun Model 43
Sd.Anh.	206	(2 Achsig) für 200cm Flak-Scheinwerfer 44	trailer (2 axle) for 200cm antiaircraft searchlight Model 44
Sd.Anh.	206	(2 Achsig) für Maschinensatz 120 kW	trailer (2 axle) for generator Model 120Kw
Sd.Anh.	206	(2 Achsig) für Funkmessgerät	trailer (2 axle) for antiaircraft radar
Sd.Anh.	206	(2 Achsig) für Flakrakete H3 117 “Schmetterling”	trailer (2 axle) for antiaircraft rocket Model Hs 117 “Schmetterling” (Butterfly)
Sd.Anh.	220	(4 Achsig) für Funkmessgerät	trailer (4 axle) for radar system
Sd.Anh.	220	(4 Achsig) für 12,8cm Flak 40/1	trailer (4 axle) for 12.8cm antiaircraft gun Model 40/1
Sd.Anh.	301	(1 Achsig) für Tankspritze	trailer (1 axle) for fire engine equipment (auxiliary for the fire engine)
Sd.Anh.	302	(1 Achsig) für Schlauchtender	trailer (1 axle) for mobile fire fighting (for independent operation)
Sd.Anh.	319	für Fla-Rakete “Wasserfall”	trailer for antiaircraft rocket “Wasserfall” (Waterfall)
Sd.Anh.	322	für A2 (o) 7,5-ton mit geschlossenem Aufbau	trailer for rocket A2 (o) with enclosed body (7.5 ton)
Sd.Anh.	322/2	für Landescheinwerfer (GI 1500)	trailer for 1500cm landing searchligh Model GI 1500
Sd.Anh.	322/3	für Landescheinwerfer (HgLL 1500)	trailer for 1500cm landing searchligh Model Hg LL 150
Sd.Anh.	350	für B2 (3-ton) (o) mit geschlossenem Aufbau	trailer B2 with enclosed body (civilian type)(3-ton)
Sd.Anh.	350/7	Fernsprechvermittlungs-Anhänger	telephone exchange trailer
Sd.Anh.	350/32	Leuchtfeueranhänger	generator trailer for airfield beacons
Sd.Anh.	350/33	Leuchtfeueranhänger	generator trailer for airfield beacons
Sd.Anh.	350/32	Prüf- und Wartungs-Anhänger für Bordfunk- und Peilgerät	trailer for maintenance and testing of aircraft radio and radar equipment
Sd.Anh.	350/43	Prüf- und Wartungs-Anhänger für Bordfunk- und Peilgerät	trailer for maintenance and testing of aircraft radio and radar equipment
Sd.Anh.	350/?	Anhänger B2 für Ladestation FR	trailer B2 with enclosed body (civilian type)(3-ton) for battery charger for V2 rocket units
Sd.Anh.	363	für B3 (4,5-ton) (o) mit geschlossenem Aufbau	trailer B3 with enclosed body (civilian type)(4.5-ton)
Sd.Anh.	363/1	für B3 (4,5-ton) (o) für Bildbearbeitung	trailer B3 with enclosed body (civilian type)(4.5-ton) for photograph production Type I
Sd.Anh.	363/2	für B3 (4,5-ton) (o) für Bildbearbeitung	trailer B3 with enclosed body (civilian type)(4.5-ton) for photograph production Type II
Sd.Anh.	401	(1 Achsig) Feldküche als Anhänger	trailer (1 axle) mobile field kitchen (“Gulaschkanone”)
Sd.Anh.	422	(1 Achsig) Navigations-Funkpeilanhänger	trailer (1 axle) for direction finding equipment for navigation
Sd.Anh.	447	(2 Achsig) Navigations-Funkpeilanhänger	trailer (2 axle) for direction finding equipment for navigation
Sd.Anh.	450	(2 Achsig) Tragflächen 6 Meter	trailer (2 axle) for transporting wings (6 meters)
Sd.Anh.	451	(2 Achsig) Tragflächen 10 Meter	trailer (2 axle) for transporting wings (10 meters)
Sd.Anh.	450	(2 Achsig) Tragflächen 6 Meter	trailer (2 axle) for wings (6 meters)
Sd.Anh.	454	(2 Achsig) Flugbetriebsstoffkessel-Anhänger	trailer (2 axle) bowser for aircraft fuel
Sd.Anh.	458	(2 Achsig) Waffenabwurfgerät-Anhänger	trailer (2 axle) for bomb transport
Sd.Anh.	459	(2 Achsig) Waffenabwurfgerät-Anhänger	trailer (2 axle) for bomb transport
Sd.Anh.	469	(2 Achsig) Fernschreib-Anschlussanhänger	trailer (2 axle) with enclosed body for telephone switchboard
Sd.Anh.	470	(2 Achsig) Funkanhänger (Kurz- /Langwelle)	trailer (2 axle) with enclosed body for short and medium wave radio station
Sd.Anh.	471	(2 Achsig) Betriebs-Funkempfängeranhänger	trailer (2 axle) with enclosed body for radio receiver operation station
Sd.Anh.	472	(2 Achsig) leichter Leuchtfeueranhänger	trailer (2 axle) with enclosed body light generator for airfield beacons
Sd.Anh.	473	(2 Achsig) mittlerer Leuchtfeueranhänger	trailer (2 axle) with enclosed body medium generator for airfield beacons

Vsah. = Versuchsanhänger ..... Experimental Trailers

Vsah.	642	Tiefladeanhänger für Panzerkampfwagen	medium tank transport trailer
Vsah.	654	Tiefladeanhänger für Panzerkampfwagen	light tank transport trailer

Anhänger ..... Trailers without numbers

(1 Achsig) Anhänger-Fahrgestell 900 kg	trailer (1 axle) chassis (900 kilos)
(1 Achsig) Anhänger-Fahrgestell 1500 kg Baumuster 41	trailer (1 axle) chassis Model 41 (1500 kilos)
(1 Achsig) Anhänger-Fahrgestell 1900 kg	trailer (1 axle) chassis (1900 kilos)
(1 Achsig) Anhänger-Fahrgestell gl. 500 kg	trailer (1 axle) chassis cross-country capable (500 kilos)
(1 Achsig) Anhänger-Fahrgestell gl. 900 kg	trailer (1 axle) chassis cross-country capable (900 kilos)
(1 Achsig) Anhänger-Fahrgestell gl. 1500 kg	trailer (1 axle) chassis cross-country capable (1500 kilos)
(1 Achsig) Anhänger-Fahrgestell gl. 2200 kg	trailer (1 axle) chassis cross-country capable (2200 kilos)
(1 Achsig) Anhänger A1 (0,5 t), offen (o)	trailer (1 axle) Model A1, civilian type, open (500 kilos)
(1 Achsig) Anhänger A1 (0,5 t), offen (o) als Schlauchhaspel für Kfz. 346	trailer (1 axle) Model A1, civilian type, open (500 kilos), for hoses, towed by Kfz. 346
(1 Achsig) Anhänger mit geschlossenem Aufbau (o) für Eisenbahn-Pionier	trailer (1 axle) civian type, enclosed, for Railraod Engineers
(1 Achsig) Anhänger mit geschlossenem Aufbau (o) für Kraffahrzeug-Parkes	trailer (1 axle) civian type, enclosed, for Motor Vehicle Parks
(1 Achsig) Anhänger gl. für Einheitsbehälter für Kraftstoff	trailer (1 axle) cross-country capable, for standard fuel cans (“Jerry cans”)
(1 Achsig) Anhänger für 200-Liter Kraftstoff-Fass	trailer (1 axle) fuel barrel (200 liters)
(1 Achsig) Anhänger für 2x 200-Liter Kraftstoff-Fass	trailer (1 axle) 2 fuel barrels (each 200 liters)
(1 Achsig) Anhänger für Ladungswerfer	trailer (1 axle) for heavy spigot mortar of the engineers
(1 Achsig) Anhänger für M.S. Boot (handelsüblichen Gerät) der Pioniere	trailer (1 axle) for civilian motor boat used by the engineers
(1 Achsig) Anhänger mit Notstromaggregat 12kVA “Carfais” Diesel der Marine	trailer (1 axle) for diesel power generator “Carfais” for the Navy
(1 Achsig) Anhänger mit Notstromaggregat 12kVA “Fimag” Bezin der Marine	trailer (1 axle) for gasoline power generator “Fimag” for the Navy
(1 Achsig) Anhänger für schwere Panzerbüchse 41	trailer (1 axle) for heavy antitank rifle (PzBü 41)

GERMAN SPECIAL MILITARY TRAILERS AND MILITARY TRAILERS

(1 Achsig) Anhänger für Räudegaszellen ..... trailer (1 axle) for gas bottles (gas used against mange)
(1 Achsig) Anhänger für Verschluss-Sachen der Vermessungs- und Karten-Einheiten ..... trailer (1 axle) enclosed, lockable, for confidential material of the surveying and mapping units
(1 Achsig) Anhänger offen (o) für Veterinärgerät für Pferdelazarett ..... trailer (1 axle) civilian type, open, for veterinary equipment for veterinary hospital
(1 Achsig) Anhänger for V2.Abschussplattform ..... trailer (1 axle) for firing platform for V2 rocket units
(1 Achsig) Diesel-Eisbereiter als Anhänger ..... trailer (1 axle) for diesel powered ice maker
(1 Achsig) Brennschluss-Antennen-Anhänger für schiess Fernraketen-Batterien ..... trailer (1 axle) for antenna for establishing rocket-cutoff for V2 rocket units
(1 Achsig) Grosser Drucklufterzeuger als Anhänger ..... trailer (1 axle) with large air compressor
(1 Achsig) Fallschirmjägerkarren als Anhänger für das Kettenkrad ..... cart (1 axle) for Kettenkrad for Fallschirmjäger (Parachute Infantry)
(1 Achsig) Grosse Feldküche als Anhänger ..... trailer (1axle) for mobile large field kitchen range
(1 Achsig) Festungskabellöttkarren ..... cart (1 axle) for Fortress Signal Troops, with sodering and other equipment
(1 Achsig) Festungskabelmesskarren ..... cart (1 axle) for Fortress Signal Troops, with calibration and other equipment
(1 Achsig) schweren Grabenpflug (Entgiftungspflug) als Anhänger ..... trailer (1 axle) heavy plow, originally for decontamination, but also used for entrenching
(1 Achsig) Handkarren für leichten Ladungswerfer der Pioniere ..... hand cart (1 axle) for light spigot mortar of the engineers
(1 Achsig) kleiner Kabeltrommel-Anhänger für Fernraketen-Einheit ..... trailer (1 axle) for light cable drums for V2 rocket units
(1 Achsig) Leitstrahl-Antennen-Anhänger für FR-Einheit ..... trailer (1 axle) for guiding beam antenna for V2 rocket units
(1 Achsig) Leitstrahl-Kontroll-Anhänger für FR-Einheit ..... trailer (1 axle) for guiding beam instrumentation for V2 rocket units
(1 Achsig) Lichtbogen-Schweissmaschinensatz auf Anhängerfahrgestell 1500 t ..... trailer (1 axle) arch welding equipment on chassis Model 41 (1500 kilos)
(1 Achsig) Maschinensatz 110/220 V 24 Kw als Anhänger fahrbar ..... trailer (1 axle) generator (110/220 Volts, 24 kW)
(1 Achsig) Maschinensatz 220 V 6,5 Kw als Anhänger fahrbar ..... trailer (1 axle) generator (220 Volts, 6.5 kW)
(1 Achsig) Maschinensatz 220 V (Wechselstrom) 15/18 KvA der Sanitätstruppe ..... trailer (1 axle) generator (220 Volts, AC, 15 kVA) for the Medical Troops
(1 Achsig) Maschinensatz 220/380 (Drehstrom) 30 KvA als Anhänger fahrbar ..... trailer (1 axle) generator (220/380 Volts, DC, 30 kVA)
(1 Achsig) Motorspritze als Anhänger fahrbar (o) ..... trailer (1 axle) motor water pump (civilian type)
(1 Achsig) Anhänger leichter Sprühanhänger ..... trailer (1 axle) light decontamination spray unit
(1 Achsig) Tragkraftspritzen-Anhänger (Tsga 8)(Bauart 1937) ..... trailer (1 axle) fire fighting equipment, including a portable water pump Type Tgsa 8/37
(1 Achsig) Tragkraftspritzen-Anhänger (Tsga 8)(Bauart 1939) ..... trailer (1 axle) fire fighting equipment, including a portable water pump Type Tgsa 8/39
(1 Achsig) Tragkraftspritzen-Anhänger (o) ..... trailer (1 axle) fire fighting equipment, civilan type, including a portable water pump
(1 Achsig) Troganhänger fürEntgiftungskraftwagen (Kfz. 305/112) des S.H.D. ..... trailer (1 axle) for decontamination van of the S.H.D. (“Sicherheits- und Hilfedienst”)
(1 Achsig) T-Stoff-Vorwärmer-Anhänger für FR-Einheit ..... trailer (1 axle) for warming fuel (*T-Stoff* = Hydrogensuperoxyd) for the V2 rocket units
(1 Achsig) Wasser-Anhänger 100 liter ..... trailer (1 axle) bowser for water (1000 liters)

(2 Achsig) Anhänger A2 Einheits-Anhänger 1 t offen (o) ..... trailer (2 axle) Standard Model A2, civilian type, open (1 ton)
(2 Achsig) Anhänger A2 als Schlauchhaspel für Schlauchkraftwagen (Kfz. 346) ..... trailer (2 axle) Standard Model A2, civilian type, open (1 ton), for hoses, towed by Kfz. 346
(2 Achsig) Anhänger B2 Einheits-Anhänger 3 t offen (o) ..... trailer (2 axle) Standard Model B2, civilian type, open (3 ton)
(2 Achsig) Anhänger B2 mit Maschinensatz 220/380 V Drehstrom 60 KvA ..... trailer (2 axle) Standard Model B2, for generator (220/380 Volts, DC, 60 kVA)
(2 Achsig) Anhänger B3 Einheits-Anhänger 4,5 t offen (o) ..... trailer (2 axle) Standard Model B3, civilian type, open (4.5 ton)
(2 Achsig) Anhänger E5 Einheits-Anhänger 5 t offen (o) ..... trailer (2 axle) Standard Model E5, civilian type, open, (5 ton)
(2 Achsig) Anhänger E8 Einheits-Anhänger 8 t offen (o) ..... trailer (2 axle) Standard Model E8, civilian type, open, (8 ton)
(2 Achsig) Anhänger mit Anlage zum Nachfüllen des Sauerstoffbedarf von Kampfflugzeuge trailer (2 axle) for filling Oxygen into fighter planes
(2 Achsig) Anhänger (Langholz) für 6 Auffahrtsschienen Brückengerät l.Z. ..... trailer (2 axle) for 6 ramps of Type l.Z. bridge (long pole equipment)
(2 Achsig) Anhänger mit mittlerer Betriebsstoffkesselanlage (o) der Luftwaffe ..... trailer (2 axle) with medium boiler tank for aviation fuel
(2 Achsig) Anhänger mit schwererBetriebsstoffkesselanlage (o) der Luftwaffe ..... trailer (2 axle) with heavy boiler tank for aviation fuel
(2 Achsig) Anhänger mit Feldballonwinde 40 der Artillerie ..... trailer (2 axle) with winch for observation ballon Model 40 of the artillery
(2 Achsig) Anhänger mit Flakkommandogerät Hazemeyer der Marine ..... trailer (2 axle) with antiaircraft fire direction computer Model Hazemeyer
(2 Achsig) Anhänger mit 2cm-Flak auf Socketlafette ..... trailer (2 axle) for 2 cm antiaircraft gun Model 30 on pedestal base
(2 Achsig) Anhänger mit Kessel für Flussigsauerstoff für Fernraketen ..... trailer (2 axle) with tank for Liquid Oxygen for V2 rocket units
(2 Achsig) Anhänger mit Kurbelmast 30m der Nachrichtentruppen ..... trailer (2 axle) with extendable antenna (30 meters) for the Signal Troops
(2 Achsig) Anhänger 1,5 t für Raupenschlepper Ost ..... trailer (2 axle) for Raupenschlepper Ost (1.5 ton)
(2 Achsig) Anhänger für Schleppboot 200 PS der Pioniere ..... trailer (2 axle) for towing boat (200 HP) of the Engineers
(2 Achsig) Anhänger schwimmfähig für Land-Wasser-Schlepper (Kässbohrer) ..... trailer (2 axle) for the amphibious truck (“LWS”)(made by Kässbohrer)
(2 Achsig) Entgiftungsgeräte-Anhänger für den Entgiftungsgerätekw. (Kfz. 305/12) ..... trailer (2 axle) for the decontamination equipment truck (Kfz. 305/12)
(2 Achsig) Kabeltrommel-Anhänger für FR-Einheiten ..... trailer (2 axle) for cable drums for V2 rocket units
(2 Achsig) Kfz.Werkstatt-Anhänger für FR-Einheiten ..... trailer (2 axle) with motor maintenance shop for V2 rocket units
(2 Achsig) Landebahn-Leutchanhänger ..... trailer (2 axle) for runway lighting
(2 Achsig) Luftverdichter-Anhänger für FR-Einheiten ..... trailer (2 axle) for air compressor for V2 rockets
(2 Achsig) Omnibus-Anhänger (Kässebohrer Type P4 1939) ..... trailer (2 axle) for motor bus (bus Model P4 1939)(made by Kässebohrer)
(2 Achsig) Rohrwagen 40 für 12,8cm Flak 40 ..... trailer (2 axle) for 12,8cm antiaircraft gun barrel
(2 Achsig) Sägevollgater auf Anhänger ..... trailer (2 axle) for mobile buzzsaw
(2 Achsig) Scheinwerfer-Transportwagen für Scheinwerfer G150 (alter Art) ..... trailer (2 axle) for 150cm searchlight Model G150 (old type)
(2 Achsig) Scheinwerfer-Transportwagen für Scheinwerfer G110 ..... trailer (2 axle) for 110cm searchlight Model G110
(2 Achsig) Strabo-Kran 16t als Anhänger ..... trailer (2 axle) for 16 ton collapsible crane (made by Strabo)
(2 Achsig) Tragflächen-Transportanhänger a & b (Bauart 39) ..... trailer (2 axle) for transport of aircraft wings Type a and b, Model 39
(2 Achsig) V2 Transport-Anhänger Vidal ..... trailer (2 axle) for transporting a V2 rocket (made by Vidal)
(2 Achsig) Wasserstoffverdichter-Anhänger 41+42 ..... trailer (2 axle) for Hydrogen compression Model 41+42
(2 Achsig) Wasserstoffentwickler-Anhänger 40+41 ..... trailer (2 axle) for Hydrogen developing Model 40+41

(3 Achsig) Anhänger 8 t für 800 PS Motorboot 43 ..... trailer (3 axle) (8 ton) for motor boat Model 53 (800 HP)
(3 Achsig) Anhänger offen (o) mit Nutzlast 11.000 kg ..... trailer (3 axle) cargo, civilian type, open (11 ton)
(3 Achsig) Anhänger mit 30-t Kran ..... trailer (3 axle) for 30-ton collapsible crane
(3 Achsig) Anhänger schwimmfähig mit Nutzlast von 10 t ..... trailer (3 axle) amphibious (10 ton)
(3 Achsig) Anhänger schwimmfähig mit Nutzlast von 20 t ..... trailer (3 axle) amphibious (20 ton)
(3 Achsig) Anhänger für die Fernrakete A4 (V2) Fabrikat Meiller ..... trailer (3 axle) for transporting a V2 rocket (made by Meiller)
(4 Achsig) Anhänger für schwere Lasten Culemeyer ..... trailer (4 axle) for heavy cargo (made by Culemeyer)
(6 Achsig) Anhänger für schwere Lasten Culemeyer bis 60 t ..... trailer (6 axle) for heavy cargo (60 ton) (made by Culemeyer)
(6 Achsig) Anhänger für schwere Lasten Gothaer Waggonfabrik bis 60 t ..... trailer (6 axle) for heavy cargo (60 ton) (made by Gothaer Waggonfabrik)
(Mehrachs) Anhänger für schwere Lasten bis 110 t ..... trailer (multi-axle) for heavy cargo (110 ton)
(Mehrachs) Anhänger für schwere Lasten bis 150 t ..... trailer (multi-axle) for heavy cargo (150 ton)
(Mehrachs) Anhänger mit geschlossenem Aufbau für Zinkdruckrotationspresse ..... trailers (multi-axle) with enclosed body for zincograph rotating printing press

Pf. = Pionierfahrzeuge ..... Engineer Vehicles
Pf. 10 (2 Achsig) Bockwagen ..... trailer (2 axle) for bridge tressels
Pf. 11 (2 Achsig) Pontonwagen ..... trailer (2 axle) for bridge pontoons
Pf. 12 (2 Achsig) Rampenwagen ..... trailer (2 axle) for bridge ramps
Pf. 13 (1 Achsig) für M-Boot (100 PS MB 41) ..... trailer (1 axle) for motorboat (100 HP Type MB 41)
Note:
The designation of these four engineer trailers was a holdover from an earler period; the old nomenclature was maintained, except that Pf. 13 is mentioned also as Sd.Anh. 13.

GERMAN HORSE-DRAWN VEHICLES: WAGONS – CARTS — SLEDS

Af = Artilleriefahrzeuge ..... Artillerie Vehicles

Af 3 Munitionswagen 96 n.A. ..... ammunition limber Type 96 n.A.
Af ? Munitionshinterwagen 96 n.A. ..... ammunition rear limber Tpye 96 n.A.
Af 4 Feldhaubitzen-Munitionswagen ..... field howitzer ammunition wagon 98
Af 5 schwerer Munitionswagen 02 ..... heavy ammunition wagon 02
Af 7 Rohrwagen für 10cm K17 ..... barrel wagon – 10cm Gun (K17)
Af 8 Rohrwagen für 15cm K16 ..... barrel wagon – 15cm Gun (K16)
Af 12 Boebachtungswagen ..... artillery observation wagon
Af 14 Munitionswagen ..... ammunition wagon
Af 19 Rohrwagen für 10cm K18 oder sFH 18 ..... barrel wagon – 10cm Gun or 15cm sFH
Af ? Feldhaubitzprotze ..... limber for field howitzer
Af ? Munitionshunterwagen 98 ..... ammunition rear limber Tpye 98
Af ? Munitionswagen 38 für 7,5cm Feldkanone 38 ..... ammunition limber for 7,5cm field gun
Af ? Feldkanonenprotze für 7,5cm Feldkanone 38 ..... limber for 7,5cm field gun 38
Af ? leichte Feldhaubitzprotze 98E ..... limber for light field howitzer 98E
Af ? leichte Feldhaubitzprotze 18 ..... limber for light field howitzer 18
Af ? leichte Feldhaubitzprotze 18/40 ..... limber for light field howitzer 18/40
Af ? schwerer Feldhaubitzen-Munitionswagen ..... heavy field howitzer ammunition wagon

EF = Ersatzfeldwagen ..... Replacement Field Wagon

EF40 Wirtschaftswagen ..... supply wagon

Hf = Heeresfahrzeug ..... Army Vehicles

Hf 1 leichter Feldwagen (gefedert) ..... light field wagon (sprung)
used as Verpflegungswagen ..... rations wagon
Sanitätsträgerwagen ..... stretcher bearer wagon
Packwagen ..... baggage wagon
Veterinärmittelwagen ..... veterinary equipment wagon
Schanzzeugwagen ..... entrenching equipment wagon

Hf 1/1 grosser Gefechtswagen ..... large combat wagon
used as Nachrichtengerätwagen (gefedert) ..... signal equipment wagon (sprung)
Pioniergerätwagen (gefedert) ..... engineer equipment wagon (sprung)
Vermessungsgerätwagen (gefedert) ..... survey equipment wagon (sprung)

Hf 1/2 Handscheinwerferwagen (M) ..... hand held searchlight wagon
Hf 1/3 Handscheinwerferwagen (S)(gefedert) ..... hand held searchlight wagon (sprung)
Hf 1/4 Beobachtungs-Gerätwagen ..... observation equipment wagon
Hf 1/11 grosser Gefechtswagen ..... large combat wagon
used as Nachrichtengerätwagen ..... signal equipment wagon
Hf 1/13 grosser Fahnenschmiedwagen ..... large farrier wagon
Hf 1/14 Packwagen für Feldschmiede ..... field forge wagon
Hf 1/14 Waffenmeisterwagen ..... armorer wagon
Hf 1/16 Bäckereigerät-Wagen ..... backery equipment wagon
Hf 1/18 Truppensanitäts-Wagen ..... medical equipment wagon

Hf 2 schwere Feldwagen ..... heavy field wagon
used as Gerätwagen ..... equipment wagon
schwerer Gefechstwagen ..... heavy combat wagon
Lastwagen ..... cargo wagon
Munitionswagen ..... ammunition wagon
Packwagen ..... baggage wagon
Verpflegungswagen ..... rations wagon
Vorratswagen ..... stores wagon

Hf 3 kleiner Feldwagen ..... small field wagon (600 kilo)
Hf 3/1 Nachrichtengerätwagen (gefedert) ..... signal wagon (sprung)
Hf 3/2 leichter Frensprechwagen (gefedert) ..... ligh telephone wagon (sprung)
Hf 3/11 kleiner Gefechtswagen ..... small combat wagon
Hf 3/12 kleiner Fahnenschmiedwagen ..... small farrier wagon
Hf 4 Gebirgskarren ..... mountain cart
Hf 7 Stahlfeldwagen (gefedert) ..... field wagon (steel)(sprung)
Hf 7/11 grosser Gefechtswagen (Stahlfeldwagen) ..... large combat wagon (steel)
Hf 7/13 grosser Fahnenschmiedwagen (Stahlfeldwagen) ..... large farrier wagon (steel)
Hf 7/14 Waffenmeisterwagen (Stahlfeldwagen) ..... armorer wagon (steel)
Hf 8 Bockwagen ..... tressel transport wagon
Hf 9 Pontonwagen ..... pontoon transport wagon
Hf 11 grosser Feldküche ..... large field kitchen
Hf 12 kleiner Feldküche ..... small field kitchen
Hf 13 grosser Feldküche ..... large field kitchen
Hf 14 kleiner Feldküche ..... small field kitchen
Hf ? Munitionswagen ..... ammunition wagon
Hf ? Vorratswagen ..... supply wagon
Hf ? Sanitätswagen ..... medic wagon
Hf ? Veterinärvorratswagen ..... veterinary supply wagon

GERMAN HORSE-DRAWN VEHICLES: WAGONS – CARTS — SLEDS

If = Infanteriefahrzeuge ..... Infantry Vehicles

If 3	Maschinengewehr-Wagen (s) (2 sMG)	heavy machine gun wagon (2 HMG)
If 4	Maschinengewehr-Wagen (1) (2 sMG)	light machine gun wagon (2 HMG)
If 4	Gebirgskarre	mountain cart
If 5	Maschinengewehrwagen (Zwillingssockel)	machine gun wagon (with pedestal for dual MG)
If 6	Gefechtskarre für s Gr.Wfr. /m. Gr.Wfr.	medium & heavy mortar wagon
If 7	Maschinengewehrwagen (1 sMG)	machine gun wagon (1 HMG)
If 7 /24	Maschinengewehrwagen (MG7/24 Schwarzlose)	machine gun wagon (for HMG 7/24 Scharzloser)
If 8	Tornister-Funktrupp-Wagen	pack radio wagon
If 9	Gefechtskarre	combat cart
If 9 /1	Gefechtskarre für 8cm Granatwerfer	combat cart for 8cm mortar
If 9 /1	Munitionskarre für 8cm Granatwerfer	ammunition cart for 8cm mortar
If 12	Beobachtungswagen	observation wagon
If 12 /1	leichte Infantriegeschützprotze	limber for light infantry gun
If 14	Munitionswagen	ammunition wagon
If 15	Beobachtungswagen	observation wagon
If ?	Gebirgskarre für 3,7cm Pak	mountain cart for 3,7cm antitank gun
If ?	Granatwerferkarre mit Rahmen M.24/25	mortar cart with frames

Nf = Nachrichtenfahrzeuge ..... Signal Vehicles

Nf 1	schwerer Fernsprechwagen	heavy telephone wagon
Nf 2	leichter Fernsprechwagen	light telephone wagon
Nf 4	kleiner Funkwagen	small radio wagon
Nf 5	kleinfunkwagen	small radio wagon
Nf 6	Funkwagen	radio wagon
Nf 7	Infanterie-Nachrichtenwagen	infantry signal wagon
Nf ?	Bauwagen 13	contruction equipment wagon
Nf ?	Leiterwagen für Fernsprechtrupp	ladder wagon for telephone section
Nf ?	Kastenwagen für Fernsprechtrupp	equipment wagon for telephone section

Pf = Pionierfahrzeuge ..... Engineer Vehicles

Pf 21	Flammenwerfer-Füllwagen	flamethrower refill wagon
Pf 22	Pionierhandkarren	engineer hand cart
Pf 25	Handkarren für leichten Landungswerfer	hand cart for light spigot mortar

Sf = Sanitätsfeldwagen ..... Medical Field Wagons

Sf 1	Krankenwagen	ambulance wagon
Sf 2	Krankenwagen	ambulance wagon

Vf = Fahrzeuge der Veterinärtruppen ..... Wagons for VeterinaryTroops

Vf 1	Pferdetransportwagen	horse transport wagon

Vwf= Fahrzeuge der Verwaltungstruppen ..... Wagons for Administration Troops

Vwf 1	Backofentransportwagen	oven transport wagon
Vwf 2	Teigknetwagen	dough mixer wagon
Vwf 3	Kraftquellenwagen	water pump wagon

Fahrzeuge ohne Numerierung ..... Wagons without Numbers

—	Pleskau-Wagen I	Pleskau I (359 kilo) (1 horse team)
—	Pleskau-Wagen II	Pleskau II (700 kilo) (2 horse team)
—	Kutschwagen	carriage / coach
—	grosser Feldwagen (t)	large Czech field wagon
—	kleiner Feldwagen (t)	small Czech field wagon
—	grosser Feldküche (t)	large Czech field kitchen
—	kleiner Feldküche (t)	small Czech field kitchen
—	Gebirgskarren M15 für Munition (t)	Czech mountain cart for ammunition

Hs = Heeresschlitten ..... Army Sleds

Hs 1	Schlitten (300 Kg)	sled (300 Kilo) (single or tandem)
Hs 3	Schlitten (500 Kg)	sled (500 Kilo) (single or tandem)
Hs 3 /1	Krankenschlitten	stretcher sled (single or tandem)
Hs 5	Schlitten (1000 Kg)	sled (1000 Kilo) (single or tandem)
Hs 41	zweispännige Schlitten	sled (dual)
Hs 42	zweispännige Schlitten	sled (dual)
Hs 43	zweispännige Schlitten	sled (dual)
Hs 61	einspännige Schlitten	sled (single)
Hs 62	einspännige Schlitten	sled (single)

GERMAN ARMY RANKS AND *STELLENGRUPPEN* (BILLET GROUPS)

This is only a simplified account of the German military personnel structure and hierarchy. Readers are warned that, as in all armies, they were in actual fact more complicated, with important differentiations being made between designations of rank, billet, function, and skill.

'Billet' indicates an appointment to (staffing of) a position – also called a 'slot' – like Squad Leader, Platoon Commander, Divisional Commander, Executive Officer, Supply Sergeant, etc. Confusingly, in some cases, the billet has the same designation as a rank, such as Hauptfeldwebel.

The equivalent Ranks given in English are neither completely World War II British nor American, and is not going to satisfy any specialist. (However a specialist would probably not be reading this anyway). Nearly all German officer ranks correspond to US Army ranks, although their terminology differs, a *Generalmajor* being the equivalent of a brigadier general. Modern US Army rank equivalents have some differences. There is one more enlisted rank (Command Sergeant Major), and one more Warrant Officer rank (Warrant Officer 3rd Class). US Army Warrant Officers are counted as officers, not enlisted men. In the German WWII Army, all ranks below 2nd Lieutenant were enlisted men.

The German Army divided officers billets into eight groups, depending on the function to be carried out. German wartime officer ranks were permanent, which often made it impossible for German officers to be promoted to the higher rank which their wartime billet would actually have warranted. For example, although a Captain normally staffed the billet of Company Commander, this was not always a rule. If there were not enough Captains then a senior member of a lower rank was assigned to that billet. Conversely, if there were too many of a higher rank than one or more might be assigned a lower ranking billet. Many Divisions were commanded by a Brigadier General - and even an occasional Colonel - instead of a Major General. Conversely, if a billet was particularly critical, a higher-ranking person might be assigned to that billet than would normally be the case. Skill was preferred to rank. Promotion was achieved by serving time. The function or billet filled as such was not a ground for promotion.

The enlisted men were divided into three billet groups: Senior Sergeants (Unteroffiziere mit Portepee) ("O" Group), Junior Sergeants (Unteroffiziere ohne Portepee) ("G" Group), and Other Ranks (Mannschaften) ("M" Group).

Enlisted members of the German Army had an 'Occupation' (Laufbahn), i.e. a career or field of specialty, like Infantry, Supply, Finance and so on. The occupation might be incorporated into the rank designation, such as *Beschlagschmiedobergefreiter*, a farrier (horseshoe smith) corporal; or even be used instead of the rank designations, such as *Beschlagmeister*, ('Farrier Master'), who was an expert farrier sergeant.

The highest combat leader position held by an enlisted man was that of platoon leader. However, this usually applied only to the third and fourth platoons. All other combat command positions were held by officers. Sergeants and Warrant Officers were in charge of logistics and admin-istration, freeing the officers for their primary function of leading men into combat. It was not unusual for senior enlisted men to become involved in combat when the need arose, although the German Army considered it a waste of skilled manpower to use these highly trained and experienced men for this purpose.

German Tables of Organization (KStN – *Kriegsstärke-nachweisungen)* had many notes indicating which billets and specialist slots were to be filled with what ranks and specialists, listing which billets had priority over others, which could alternatively be filled by a person with specialized knowledge or skill, and which billets should by preference be filled with regular army personnel.

Although it was expected to have rank and billet corresponding to each other, this was far from the case. Specialist personnel was rare and many units were raised in a hurry, not having enough time to acquire all its correct personnel. And once a units entered combat, the chances of acquiring the exact, highly-skilled soldier for the correct position often became merely a matter of luck.

The German Wehrmacht also had a unique category of personnel within its ranks, namely the *Wehrmachtbeamten*, which can be loosely translated as Armed Forces Civil Servants or as Government Service Officials. They were found in administrative, legal, and technical service positions. They were civilians performing functions within the Armed Forces. Although they were not classified as soldiers, they wore uniforms identical with those of the Service branch they were serving with, albeit with different insignia. Their duties, at least at field and company level, could lead to armed encounters with enemy forces, and they were all armed with pistols.

Generals

Billet Group "A"
Commander-in-Chief / General Officer in an "A" Group
Oberbefehlshaber / General in A-Stelle

Generalfeldmarschall	General of the Army (Field Marshal)
Generaloberst	General

Billet Group "F"
Commanding General / General Officer in an "F" Group
Kommandierender General / General in F-Stelle

General	Lieutenant General
der Infanterie	of the Cavalry
der Kavallerie	of the Infantry
der Artillerie	of the Artillery
der ...	of the ...

Billet Group "D"
Divisional Commander / General Officer in a "D" Group
Divisionskommandeur / General in D-Stelle

Generalleutnant	Major General
Generalstabsartz	Major General (Medical Corps)
Generalstabs-…	Major General (…)

Billet Group "I"
Infantry, Artillery, or Brigade Commander / General Officer in an "I" Group
Infanterie-, Artillerie-, Brigadekommandeur / Offizier in I-Stelle

Generalmajor	Brigadier General
Generalarzt	Brigadier General (Medical Corps)
General- …	Brigadier General (…)

Officers

Billet Group "R"
Regimental Commander / Officer in an "R" Group
Regimentskommandeur / Offizier in R-Stelle

Oberst	Colonel
Oberstarzt	Colonel (Medical Corps)
Oberst- …	Colonel (…)

Billet Group "B"
Battalion Commander / Officer in a "B" Group
Abteilungs- bzw. Bataillonskommandeur / Offizier in B-Stelle

Oberstleutnant	Lieutenant Colonel
Oberfeldarzt	Lieutenant Colonel (Medical Corps)
Oberfeld- …	Lieutenant Colonel (…)
Major	Major
Oberstabsarzt	Major (Medical Corps)
Oberstabs- …	Major (…)

Billet Group "K"
Battery, Squadron, or Company Commander / Officer in a "K" Group
Batterie-, Schwadron- bzw. Kompanieführer / Offizier in K-Stelle

Hauptmann	Captain
Rittmeister	Captain (Cavalry Corps)
Stabsarzt	Captain (Medical Corps)
Stabsveterinär	Captain (Veterinary Corps)
Stabsmusikmeister	Captain (Band)
Stabs- …	Captain (…)

Billet Group "Z"
Platoon Leader / Officer in a "Z" Group
Zugführer / Offizier in Z-Stelle

Oberleutnant	First Lieutenant
Oberazt	First Lieutenant (Medical Corps)
Obermusikmeister	First Lieutenant (Band)
Oberzahlmeister	First Lieutenant (Paymaster Corps)
Ober- …	First Lieutenant (…)
Leutnant	Second Lieutenant
Asisstenzarzt	Second Lieutenant (Medical Corps)
Musikmeister	Second Lieutenant (Band)
Assistenzzahlmesiter	Second Lieutenant (Paymaster Corps)
Assistenz- …	Second Lieutenant (…)

Enlisted Men

Billet Group "O"
Senior Non-Commissioned Officer in an "O" Group
Oberfeldwebel (Unteroffiziere mit Portepee)

Stabsfeldwebel	Warrant Officer First Class
Obermeister	Warrant Officer 1st Class of a Technical Establishment
Hauptfeldwebel	Warrrant Officer 2nd Class
Hauptwachtmeister	Warrant Officer 2nd Class (Cavalry, Artillery, AA, etc.)
Oberfeldwebel	Sergeant Major
Oberwachtmeister	Sergeant Major (Cavalry, Artillery, AA, etc.)
Musikleiter	Sergeant Major (Band)
etc.	etc.
Feldwebel	First Sergeant
Wachtmeister	First Sergeant (Cavalry, Artillery, AA, etc.)
Beschlagmeister	Farrier First Sergeant
Feuerwerker	Ordnance First Sergeant
Brieftaubenmeister	Pigeon Postmaster
etc.	etc.

Billet Group "G"
Non-Commissioned Officer in a "G" Group
Gruppenführer (Unteroffiziere ohne Portepee)

Unterfeldwebel	Staff Sergeant
Unterwachtmeister	Staff Sergeant (Cavalry, Artillery, AA, etc.)
etc.	etc.
Unteroffizier	Sergeant
Santitätsunteroffizier	Sergeant (Medical Corps)
etc.	etc.
Obergefreiter	Corporal
Santitätsobergefreiter	Corporal (Medical Corps
etc.	etc.

Billet Group "M"
Other Rank in an "M" Group
Mannschaft

Gefreiter	Private First Class
Oberschütze	Private 2
Oberreiter	Trooper First Class
etc.	etc.
Schütze	Private 1 (infantryman)
Grenadier	Private (alternate designation for infantryman)
Jäger	Private (Mountain or Light Infantry)
Pionier	Engineer / Pioneer (Engineers)
Fahrer	Driver (usually of a horse-drawn vehicle)
Kraftfahrer	Driver (motor vehicle)
Beschlagschmiedschütze	Farrier (horse smith)
Spielman	Bandsman / Bugler
etc.	etc.

GERMAN MILITARY PERSONNEL JOB DESCRIPTIONS

Abteilungsarzt	Battalion Physician
Abteilungskommandeur	Battalion Commander
Abteilungsschreiber	Battalion Headquarters Clerk
Abteilungsveterinär	Battalion Veterinary Doctor
Adjutant	Adjutant
Arzt	Physician
Auswerter	Plotter / Evaluator
Autoschlosser	Motor Vehicle Mechanic
Bataillonsarzt	Battalion Physician
Bataillonskommander	Battalion Commander
Bataillonsveterinär	Battalion Veterinary Doctor
Batterieführer	Battery Commander
Batterieoffizier	Firing Battery Commander
Batterieschreiber	Battery Headquarters Clerk
Beamte	Armed Forces Civil Servant / Government Service Official / Civilian Employee in Military Service
Beobachter	Observer
Beobachtungsoffizier	Observation Officer
Beschlagschmied	Farrier / Horseshoe Smith
Betreuungsoffizier	Entertainment Officer
Bootsmann	Boat Operator
Chef des Stabes	Chief of Staff
Divisionionsarzt	Division Physician
Divisonskommandeur	Division Commander
Dolmetscher	Interpreter
Dreher	Lathe Operator
Drucker	Printer
Elektriker	Electrician
Elektromechaniker	Electro Mechanic
Entfernungsmesser	Rangefinder / Distance Measurer
Erkunder	Scout
Erkundungsoffizier	Observation Officer
Facharbeiter	Specialist
Fahnenschmied	Farrier NCO
Fahrer	Driver
Fahrer vom Bock	Wagoner. (Driver of a horse-drawn vehicle sitting on the driver's box)
Fahrer vom Sattel	Horse Team Leaders. (Drivers of a horse-drawn vehicle sitting on the horses)
Feinmechaniker	Optics Technician
Feldfunksprecher	Field Radio Operator
Feldgendarm	Military Policeman
Feldkoch	Cook
Feldkochunteroffizier	Cook NCO
Feldwebel	Sergeant
Fernsprecher	Telephonist
Feuerwerker	Ordnance NCO
Flakwaffenwart	Antiaircraft Weapon Armorer
Flugmeldeauswerter	Air Observation Evaluator
Flugmelder	Air Observer
Führer	Leader
Führer der Gefechtsfahrzeuge	Leader of the Company/Battery Vehicles
Funker	Radio Operator
Funkmeister	Senior Radio Operator
Funkwart	Radio Repairman
Futtermeister	Fodder NCO
Gaschützunteroffizier	Chemical Warfare NCO
Gefechtsschreiber	Headquarters Clerk
Gerätverwalter	Equipment Administrator
Gerätwart	Equipment Repairman
Geschützbedienung	Gun Crew
Geschützführer	Gun Layer / Gun Captain / Gun Commander
Getreibeschlosser	Drive Train Mechanic
Gruppenführer	Section Leader
Handwerker	Craftsman
Haptfeldwebel	Senior Company NCO / Company First Sergeant
Hauptwachmeister	Senior Battery NCO / Battery First Sergeant
Hilfsbeobachter	Assistant Observer
Hilfsprüfer	Assistant Controller
Hiwi (Hilfswilliger)	Foreign Volunteer for Military Service
Holzarbeiter	Wood Worker
Intendant	Commissary Officer
Kanonier	Gunner
Kartenzeichner	Cartographer
Kettenkraftradfahrer	Kettenkrad Driver
Klempner	Plumber
Koch	Cook
Kommandant	Commandant
Kommandeur	Commander
Kompanieführer	Company Commander
Kompanietrossführer	Company Trains Leader
Kompanietruppführer	Company Headquarters Section Leader
Kradmelder	Motorcycle Messenger
Kraftfahrzeugelektriker	Motor Vehicle Electrician
Kraftfahrzeugmotorenschlosser	Motor Vehicle Motor Mechanic
Kraftfahrzeugschlosser	Motor Vehicle Mechanic
Kraftwagenbeifahrer	Motor Vehicle Codriver
Kraftwagenfahrer	Motor Vehicle Driver
Krankenträger	Stretcher Bearer
Ladeschütze	Loader
Laufwerkschlosser	Running Gear Mechanic
Leiter	Chief Leader
Lichtpauser	Photographer
Maler	Painter
Mann	(Enlisted) Man
Mannschaft	Privat / Other Rank / (Enlisted) Man
Maschinengewehrschütze	Machine Gunner
Meldefahrer	Motor Vehicle Messenger
Meldefahrer	Messenger (motor vehicle)
Melder	Messenger / Runner
Meldereiter	Messenger (horse-mounted)
Mitarbeiter	Assistant Clerk
Motorschlosser	Motor Mechanic
Munitionskanonier	Ammunition Handler
Munitionsschütze	Ammunition Handler
Musiker	Bandsman
Musikmeister	Band Leader
Nachrichtenmechaniker	Signals Technician
Nachrichtenoffizier	Signal Officer
Nachrichtenunteroffizier	Signal NCO
Offizier	Officer
Ordnanzoffizier	Aid (-de-Camp) (officer)
Ordonnanz	Orderly (enlisted)
Panzerbüchsenschütze	Antitank Rifleman
Panzerelektromechaniker	Armored Vehicle Electrician
Panzerelektroschweisser	Armored Vehicle Arc Welder
Panzerführer	Armored Vehicle Commander
Panzerfunkwart	Armored Vehicle Radio Repairman
Panzergetriebenschlosser	Armored Vehicle Drive Train Mechanic
Panzerjägerführer	Antitank Vehicle Commander
Panzermotorenschlosser	Armored Vehicle Motor Mechanic
Panzerschlosser	Armored Vehicle Mechanic
Panzerschützen	Infantryman in an Armored Vehicle
Panzerwart	Armored Vehicle Mechanic
Peiler	Direction Finder
Pferdeführer	Horse Leader. Driver on foot of a horse-drawn wagon
Pferdehalter	Horse Holder (Groom)
Pferdewärter	Groom (Horse Holder)
Pionier	Pioneer / Engineer / Sapper
Planoffizier	Triangulation Officer
Postfachkraft	Postal Worker
Prüfer	Accounts Controller
Quartiermeister	Quartermaster
Rechner	Calculator
Rechnungsführer	Accountant
Regimentsadjutant	Regiment Adjutant
Regimentsarzt	Regiment Physician
Regimentskommandeur	Regiment Commander
Regimentskraftfahroffizier	Regiment Motor Officer
Regimentsschreiber	Regiment Headquarters Clerk
Regmentsveterinär	Regiment Veterinary Doctor
Richter	Judge
Richtkreisunteroffizier	Gun Layer NCO / Gun Director NCO
Richtmeister	Master Fitter
Richtschütze	Gunner
Sachbearbeiter	Clerk
Sanitätsoffizier	Medical Officer
Sanitätsunteroffizier	Medical NCO
Sattelpferd	Near Horse
Sattler	Saddler / Harness Maker
Scherenfernrohrunteroffizier	Scissors Telescope NCO
Schirrmeister	Foreman / Harness Keeper / Storekeeper NCO / Maintenance Technical Sergeant
Schleifer	Polisher
Schlosser	Mechanic
Schmied	Smith
Schneider	Tailor
Schreiber	Clerk
Schumacher / Schuster	Shoemaker / Cobbler
Schwadronführer	Company Commander (cavalry arm)
Schwadrontruppführer	Company Headquarters Section Leader (cavalry arm)
Schweisser	Welder
Spähtruppführer	Scout Section Leader
Staffelführer	Detachment Leader
Stellmacher	Cartwright / Wheelwright
Stellungsunteroffizier	Gun Position NCO
Steuermann	Helmsman (driver of a boat)
Tankwart	Fuel Handler
Tischler	Joiner / Cabinet Maker
Trossführer	Trains Leader
Truppenarzt	Troop Doctor
Truppführer	Team Leader
Unteroffizier	NCO (Non-Commissioned Officer)
Urkundsbeamter	Document Clerk
Verbindungsoffizier	Liaison Officer
Vermessungsdienst	Measuring Service
Verpflegungsmann	Rations Handler
Verpflegungsunteroffizier	Rations NCO
Veterinäroffizier	Veterinary Officer
Vorgeschobener Beobachter	Forward Observer
Vorhandwerker	Leading Craftsman
Vorreiter	Outrider. Escort on horse-back of a horse-drawn vehicle.
Vorwarner	Advance Warning Man
Waffenmeister	Armorer
Waffenmeistergehilfe	Assistant Armorer
Waffenmeisterunteroffizier	Master Armorer NCO
Waffenunteroffizier	Armorer NCO
Wagenbegleiter	Wagon Escort. Escort of a horse-drawn vehicle on foot
Wagenführer	Leader of the vehicles in the trains
Werferführer	Launcher or Mortar Gunner
Werkmeister	Foreman / Chief Technician
Zahlmeister	Paymaster / Finance Officer
Zeichner	Draftsman
Zimmermann	Carpenter
Zugführer	Platoon Leader
Zugtruppführer	Platoon Headquarters Section Leader