

Rules for:

2<sup>nd</sup> WW  
System  
WB  
95

# TS

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## 1.0 BASIC INFORMATION



### [1.2] Counters

Game provides three types of counters:

- units



- field fortifications



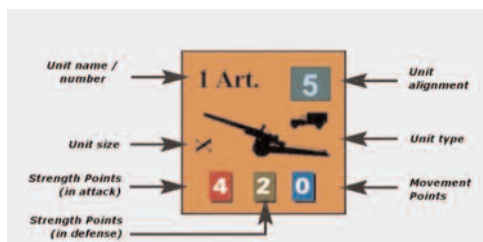
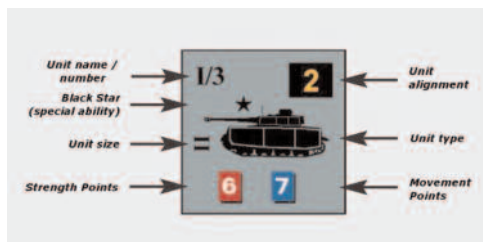
- auxiliary counters.



Some scenarios may contain different types of counters which are described in the scenario's notes.

Each unit counter shows all its characteristics relevant for the game play. At the top there is unit name/number (on the left) and unit's alignment (division, corps or army) name/number (on the right). In the middle there is unit size and icon representing unit's type. At the bottom there are Strength Points (in case of artillery units there are two values) and Movement Points values.

Most counters in the game are printed on two sides. If unit has full strength printed on the top side of a counter and weaker strength on the reverse then it has 2 Combat Efficiency Levels (CEL – see 1.4 Definitions). Unit counter that is printed just on top side has 1 CEL.



Artillery units (except mechanized artillery) has only one CEL even though there often is a reverse for their counter. This is due to the fact that artillery counters reflect transport and combat setup of the unit (see 6.2.2).

Mechanized artillery unit, due to its maneuverability, has characteristics of regular units and usually has 2 CELs.

Reducing a unit (losing 1 CEL) is flipping a full strength unit's counter onto weaker side. Unit that loses all its CELs is eliminated from the game.

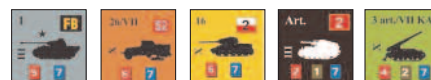


### [1.3] Types of Units

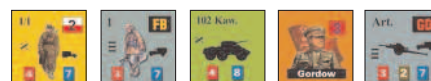
For movement purposes units are divided into:

#### Motorized Units:

Mechanized (units equipped with tracked or half-tracked vehicles):



#### Trucked (units equipped with wheeled vehicles):



Note that each non-mechanized artillery unit is treated as motorized (trucked) unit even if there is no truck symbol on the counter.

#### Non-Motorized Units



## Air Units



Unit size symbol allows for easy counter identification:

XX – division

X – brigade

III – regiment

II – battalion

I – company

In scenario setup units are described by their type and size (e.g. INF-R, ARM-BR). In obvious cases (complete infantry division or complete Soviet corps) size appendix is omitted (e.g. INF for all division units or CAV for all Soviet cavalry corps units).

## [1.4] Definitions

### Strength Point (SP)

Reflects unit's strength/morale/training/experience and other factors influencing unit's combat power.

### Movement Point (MP)

Reflects unit's maneuverability. It limits unit's movement range.

### Zone of Control (ZOC)

Marks unit's ability to influence its neighborhood

### Combat Efficiency Level (CEL)

Marks unit's hardness - ability to fight and sustain losses.

### Out of Supply (OoS)

Marks unit's supply level and its influence on unit's morale. The higher OoS level the bigger chance for unit's surrender.

## [1.4] Combat Ratio

Combat Ratio (CR) is column in COMBAT table where combat result is to be looked up after 2 dice (2K6) roll.

CR is calculated as follows:

1. Attacking Player units' SPs are divided by defending Player units' SPs which, after rounding (see [1.7]), yields initial combat ratio.

2. Initial combat ratio is modified by both Players' Combat Modifiers (see [1.6]) in order to calculate final combat ratio.

### Example:

Two infantry units, having 4 SPs each, attack enemy infantry unit with 5 SPs. Total attacker's strength is 8. Total defender's strength is 5. Combat ratio is 1.6:1 and after rounding 2:1.

## [1.4] Combat Modifier

Combat Modifier (CM) is column shift applied on initial CR in order to obtain its final value. Both attacking and defending units can gain CMs through various factors like terrain, fortifications, unit's special abilities and tactical concentration.

Defender's CMs lower initial Combat Ratio (shift initial CR column to the left) while attacker's CMs increase initial Combat Ratio (shift initial CR column in COMBAT table to the right).

2 Combat Modifiers for defender												3 Combat Modifiers for attacker											
												COMBAT TABLE											
dice roll	1:4	1:3	1:2	1:1	2:1	3:1	4:1	5:1	6:1	7:1	8:1	9:1	10:1										
2	-1/-1D	-1/D1D	-1/D1D	-1/D2D	-1/D3D	-1/D3D	-1/D3D	-1/D4D	-1/D4D	-1/D4D	-1/D4D	-1/D5D	-1/D5D-1										
3	-1/-	-1/D1	* / D1	* / D2	* / D2-1	* / D3-1	* / D3-1	* / D3-1	* / D4-1	* / D4-1	* / D4-1	* / D4-1	* / D5-1										
4	A1* / -	* / -1	* / D1	* / D1	* / D2	* / D2	* / D3	* / D3	* / D3	* / D4	* / D4-1	* / D4-1	* / D4-1										
5	A1-1 / -	-1 / -	-1 / -1	* / D1	* / D2	* / D2	- / D3	- / D3	- / D3	- / D3	- / D4	- / D4	- / D4-1										
6	A1-1 / -	A1* / -	-1 / -1	- / D1	- / D2	- / D2	- / D2	- / D3	- / D3	- / D3	- / D3	- / D4	- / D4-1										
7	A2-1 / -	A1 / -	A1 / -	-1 / -1	- / D1	- / D2	- / D2	- / D2	- / D3	- / D3	- / D3-1	- / D3-1	- / D4										
8	A2-2 / -1	A1-1 / -	A1 / -	-1 / -1	- / D1	- / D2	- / D2	- / D2	- / D2-1	- / D3-1	- / D3	- / D3-1	- / D3										
9	A2-2 / -	A2-1 / -1	A1-1 / -	-1 / -	-1 / D1	- / D1	* / D2-1	* / D2-1	* / D2-1	- / D2	- / D2	- / D3	- / D3										
10	A2-2 / -	A2-2 / -	A2-1 / -1	A1 / -	-1 / D1-1	-1 / D1-1	-1 / D2	- / D2	- / D2	* / D2	* / D2	* / D3	- / D3										
11	A2-2 / -	A2-2 / -	A2-2 / -	A1-1 / -	-1 / -1	-1 / -1	-1 / D1	-1 / D2	-1 / D2	-1 / D2	-1 / D2	-1 / D2	* / D3										
12	A2D-2 / -1	A2D-2 / -1	A2D-2 / -1	A2D-1 / -1	D-1 / -1	D-1 / -1	D-1 / -1	D-1 / D1	D-1 / D2	D-1 / D2	D-1 / D2	D-1 / D2	D-1 / D2										

Modifications to apply: HD, 1e for combat, 2e+3e, 4e+5e, 6e+7e, 8e+9e, 10e+11e, 12e+13e, 14e+15e, 16e+17e, 18e+19e, 20e+21e, 22e+23e, 24e+25e, 26e+27e, 28e+29e, 30e+31e, 32e+33e, 34e+35e, 36e+37e, 38e+39e, 40e+41e, 42e+43e, 44e+45e, 46e+47e, 48e+49e, 50e+51e, 52e+53e, 54e+55e, 56e+57e, 58e+59e, 60e+61e, 62e+63e, 64e+65e, 66e+67e, 68e+69e, 70e+71e, 72e+73e, 74e+75e, 76e+77e, 78e+79e, 80e+81e, 82e+83e, 84e+85e, 86e+87e, 88e+89e, 90e+91e, 92e+93e, 94e+95e, 96e+97e, 98e+99e, 100e+101e, 102e+103e, 104e+105e, 106e+107e, 108e+109e, 110e+111e, 112e+113e, 114e+115e, 116e+117e, 118e+119e, 120e+121e, 122e+123e, 124e+125e, 126e+127e, 128e+129e, 130e+131e, 132e+133e, 134e+135e, 136e+137e, 138e+139e, 140e+141e, 142e+143e, 144e+145e, 146e+147e, 148e+149e, 150e+151e, 152e+153e, 154e+155e, 156e+157e, 158e+159e, 160e+161e, 162e+163e, 164e+165e, 166e+167e, 168e+169e, 170e+171e, 172e+173e, 174e+175e, 176e+177e, 178e+179e, 180e+181e, 182e+183e, 184e+185e, 186e+187e, 188e+189e, 190e+191e, 192e+193e, 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558e+559e, 560e+561e, 562e+563e, 564e+565e, 566e+567e, 568e+569e, 570e+571e, 572e+573e, 574e+575e, 576e+577e, 578e+579e, 580e+581e, 582e+583e, 584e+585e, 586e+587e, 588e+589e, 590e+591e, 592e+593e, 594e+595e, 596e+597e, 598e+599e, 600e+601e, 602e+603e, 604e+605e, 606e+607e, 608e+609e, 610e+611e, 612e+613e, 614e+615e, 616e+617e, 618e+619e, 620e+621e, 622e+623e, 624e+625e, 626e+627e, 628e+629e, 630e+631e, 632e+633e, 634e+635e, 636e+637e, 638e+639e, 640e+641e, 642e+643e, 644e+645e, 646e+647e, 648e+649e, 650e+651e, 652e+653e, 654e+655e, 656e+657e, 658e+659e, 660e+661e, 662e+663e, 664e+665e, 666e+667e, 668e+669e, 670e+671e, 672e+673e, 674e+675e, 676e+677e, 678e+679e, 680e+681e, 682e+683e, 684e+685e, 686e+687e, 688e+689e, 690e+691e, 692e+693e, 694e+695e, 696e+697e, 698e+699e, 700e+701e, 702e+703e, 704e+705e, 706e+707e, 708e+709e, 710e+711e, 712e+713e, 714e+715e, 716e+717e, 718e+719e, 720e+721e, 722e+723e, 724e+725e, 726e+727e, 728e+729e, 730e+731e, 732e+733e, 734e+735e, 736e+737e, 738e+739e, 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1242e+1243e, 1244e+1245e, 1246e+1247e, 1248e+1249e, 1250e+1251e, 1252e+1253e, 1254e+1255e, 1256e+1257e, 1258e+1259e, 1260e+1261e, 1262e+1263e, 1264e+1265e, 1266e+1267e, 1268e+1269e, 1270e+1271e, 1272e+1273e, 1274e+1275e, 1276e+1277e, 1278e+1279e, 1280e+1281e, 1282e+1283e, 1284e+1285e, 1286e+1287e, 1288e+1289e, 1290e+1291e, 1292e+1293e, 1294e+1295e, 1296e+1297e, 1298e+1299e, 1300e+1301e, 1302e+1303e, 1304e+1305e, 1306e+1307e, 1308e+1309e, 1310e+1311e, 1312e+1313e, 1314e+1315e, 1316e+1317e, 1318e+1319e, 1320e+1321e, 1322e+1323e, 1324e+1325e, 1326e+1327e, 1328e+1329e, 1330e+1331e, 1332e+1333e, 1334e+1335e, 1336e+1337e, 1338e+1339e, 1340e+1341e, 1342e+1343e, 1344e+1345e, 1346e+1347e, 1348e+1349e, 1350e+1351e, 1352e+1353e, 1354e+1355e, 1356e+1357e, 1358e+1359e, 1360e+1361e, 1362e+1363e, 1364e+1365e, 1366e+1367e, 1368e+1369e, 1370e+1371e, 1372e+1373e, 1374e+1375e, 1376e+1377e, 1378e+1379e, 1380e+1381e, 1382e+1383e, 1384e+1385e, 1386e+1387e, 1388e+1389e, 1390e+1391e, 1392e+1393e, 1394e+1395e, 1396e+1397e, 1398e+1399e, 1400e+1401e, 1402e+1403e, 1404e+1405e, 1406e+1407e, 1408e+1409e, 1410e+1411e, 1412e+1413e, 1414e+1415e, 1416e+1417e, 1418e+1419e, 1420e+1421e, 1422e+1423e, 1424e+1425e, 1426e+1427e, 1428e+1429e, 1430e+1431e, 1432e+1433e, 1434e+1435e, 1436e+1437e, 1438e+1439e, 1440e+1441e, 1442e+1443e, 1444e+1445e, 1446e+1447e, 1448e+1449e, 1450e+1451e, 1452e+1453e, 1454e+1455e, 1456e+1457e, 1458e+1459e, 1460e+1461e, 1462e+1463e, 1464e+1465e, 1466e+1467e, 1468e+1469e, 1470e+1471e, 1472e+1473e, 1474e+1475e, 1476e+1477e, 1478e+1479e, 1480e+1481e, 1482e+1483e, 1484e+1485e, 1486e+1487e, 1488e+1489e, 1490e+1491e, 1492e+1493e, 1494e+1495e, 1496e+1497e, 1498e+1499e, 1500e+1501e, 1502e+1503e, 1504e+1505e, 1506e+1507e, 1508e+1509e, 1510e+1511e, 1512e+1513e, 1514e+1515e, 1516e+1517e, 1518e+1519e, 1520e+1521e, 1522e+1523e, 1524e+1525e, 1526e+1527e, 1528e+1529e, 1530e+1531e, 1532e+1533e, 1534e+1535e, 1536e+1537e, 1538e+1539e, 1540e+1541e, 1542e+1543e, 1544e+1545e, 1546e+1547e, 1548e+1549e, 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Modifications: to main, HQ, tactical concentration, units' abilities

Maximum and minimum Combat Ratio from COMBAT table can never be exceeded.

### Example:

a) Attacker units' total strength is 8 and they have 3 combat modifiers. Defending units' total strength is 3 and they have 1 combat modifier. Initial combat ratio is 8:3 => 2.67:1 => 3:1.

After attacker's CMs are applied combat ratio increases to 6:1.

After defender's CMs are applied, final combat ratio is set to 5:1.

b) Attacker units' total strength is 18 and they have 7 combat modifiers. Defending unit strength is 4 and it has 2 combat modifiers.

Initial combat ratio is 5:1.

After attacker CMs are applied combat ratio is 13:1.

Combat Ratio cannot exceed maximum from COMBAT table (10:1) therefore it is reduced to 10:1

After defender's CMs are applied, combat ratio is set to 8:1.

Players must use all combat modifiers gained from terrain, fortifications and tactical concentration. Use of unit's special abilities (see 15.1 and 15.4) is voluntary.

## [1.7] Rounding

Any integer number division is rounded up.

### Example:

a) If unit with strength of 1 SP should have it halved, its strength is still counted as 1.

b) 5 divided by 2 is 2.5. After rounding it is 3. For combat ratio calculations any initial CR

below .5 is to be rounded down and any result above or equal to .5 is to be rounded up.

### Example:

a) Attacker has 3 SPs while defender has 2 SPs. Combat Ratio is 3:2 => 1.5:1 => 2:1.

b) Combat Ratio 6.49:1 is to be rounded to 6:1.

## [1.7] Dice rolls

Game has standardized way of naming dice rolls. In the system Players use 6-sided dice and throughout game play may be required

to roll it.

Player may be required to roll dice several times and sum up the results (instead of rolling just one dice Player(s) may have two or more and roll them at once □ )

### Example:

a) One 6-sided dice roll is described as 1K6

b) Two 6-sided dices roll (with summing up the results) is described as 2K6

c) And so on...

# 2.0 PHASES AND TURNS

## [2.1] General rules

2.1.1 Game play in WB95 system is divided into turns. Every turn allows or obliges players to make certain actions (movement, attack, supply check etc.).

2.1.2 All actions in a turn are grouped into phases. Every phase allows for given set of actions only. Performing an action outside correct phase is prohibited.

2.1.3 Each turn is finished after all Phases have been completed.

2.1.4 Players cannot change order of phases. A phase can be omitted if there are no mandatory actions and both players choose not to perform voluntary ones.

2.1.5 After turn has been completed, players move TURNS (ETAPY) counter by one position and start over a new turn.

2.1.6 One turn represents 1 day of a battle..

[2.2] Phases

Player with initiative (moves first) – player A.  
Player without initiative (moves second) – player B.

Phase 1 – Air Phase

During this phase both Players can assign air missions for their air units (see 8.0). Players should choose location of air counters secretly to reduce the chance of enemy counter actions (see 8.1.8).

Phase 2 – Artillery Barrage of Player A (see [6.5])

If scenario allows, Player A can conduct artillery barrage on enemy units.

Phase 3 – Movement of Player A (see [3.0])

Player A can move his units or build field fortifications. His reinforcements can enter the map. Instead of movement units can be selected for Strategic Movement (by covering them with „Strategic Movement“ marker)

Phase 4 –Attack of Player A (see [5.0])

Player A carries obligatory (see 5.1.3 and 5.1.4) and voluntary attacks. Order of combat is chosen by Player A, but Phase can end only when all mandatory attacks are made.

Phase 5 – Strategic Movement of Player A (see [12.0])

All Player's A units that are covered with „Strategic Movement“ marker can move. Player A can also enter reinforcements on the map.

Phase 6 – Supply Phase of Player A (see [10.0]) – following actions are made:

- 1. Player A must trace line of supply to all his units. Unit that cannot be supplied must be covered with marker reflecting their out of supply (OoS) level.
- 2. Unit that is out of supply must undergo surrender test (see 10.2.6).
- 3. Supplied units span control over hexes within their Zone of Control (see 4.3).
- 4. HQ may start bridge building.

Phase 7 – Air Phase

Analogous to Phase 1.

Phase 8 – Artillery Barrage of Player B

Analogous to Phase 2.

Phase 9 – Movement of Player B

Analogous to Phase 3.

Phase 10 –Attack of Player B

Analogous to Phase 4.

Phase 11 – Strategic Movement of Player B

Analogous to Phase 5.

Phase 12 – Supply Phase of Player B

Analogous to Phase 6.

3.0 MOVEMENT

[3.1] Basic rules

3.1.1 Players can move their units during Movement Phases (regular movement – Phases 3 and 9, strategic movement – Phases 5 and 11), and Combat Phases (pursuit and retreat – Phases 4 and 10).

3.1.2 Retreat and Pursuit has additional limitations – see [5.3] and [5.4].

3.1.3 Order of units to be moved during any Movement Phase is Player's choice.

3.1.4 Unit cannot "overleap" a hex during movement. There must be continuous path of hexes between unit's start hex and unit's target hex.

3.1.5 Players units' movement and/or maneuvers during Movement Phases are limited by each unit's MPs.

3.1.6 Unit does not need to use all its MPs, but any "saved" MPs do not carry over to next turn.

3.1.7 Unit cannot pass its MPs to other units.

3.1.8 Unit cannot enter hex occupied by enemy units.

3.1.9 Any number of units can move through a hex.

3.1.10 Unit can move through a hex occupied by friendly units regardless of stacking limits.

3.1.11 Cost of entering a hex for a unit depends on unit type and terrain on the hex. All modifications are listed in TERRAIN INFLUENCE table.

3.1.12 Terrain costs are cumulated.

Example:

If, for mechanized unit, cost of entering forest is +1, cost of crossing a stream is +2 and base cost of clear terrain entry is 2 MPs then such unit will pay 5 MPs for entering a hex with forest through a stream.

3.1.13 Maximum cost of entering a hex cannot be higher than unit's initial MPs (number of MPs unit has at the beginning of Movement Phase).

Example:

a) Mechanized units starts movement phase with 7 MPs. Unit can always enter adjacent hex, even if cumulated cost is higher than 7. If cost of entering adjacent hex was 9 MPs unit can enter the hex.

b) Infantry unit out of supply (normally having 4 MPs) starts Movement Phase with 2 MPs. If cost of entering adjacent hex is 3 MPs the unit can still enter the hex without increasing its OoS level.

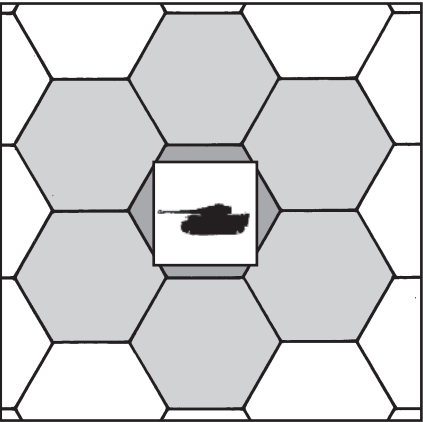
Note: The intention of the rule is that unit is always able to move by at least 1 hex.

[3.2] Stacking

3.2.1 After the end of any phase there cannot be more than 8 CELs on one hex.

3.2.2 Each Headquarter is counted as 1 CEL for stacking limit.

4.0 ZONE OF CONTROL



Zone of Control reflects unit's ability to influence its surroundings which denies enemy to move freely through such area.

[4.1] Basic rules

4.1.1 ZoC spans onto unit's all adjacent hexes.

4.1.2 All regular units have ZoC.

4.1.3 ZoC does not extend through big rivers.

4.1.4 ZoC does not extend on terrain impassable for unit of given type.

Example:

Motorized units do not influence adjacent swamp hexes. They don't have ZoC on such hexes.

4.1.5 There can be any number of ZoCs on one hex (both friendly and enemy). Many ZoCs on one hex means only that this hex is influenced by many units.

4.1.6 ZoC allows hex control.

[4.2] Movement Influence

4.2.1 Unit that entered enemy ZoC must stop (cannot use its MPs in this Movement Phase any more).

4.2.2 Entering enemy ZoC does not cost additional MPs.

**4.2.3** Moving in ZoC of single unit is possible only during pursuit.

**4.2.4** During Movement Phase a unit can leave enemy ZoC and enter other (or reenter the same) enemy ZoC.

**4.2.5** Unit can move directly from one enemy ZoC into different enemy's ZoC.



**4.2.6** Leaving enemy ZoC cost 1 MP.

### [4.3] Hex Control

Hex control allows capturing game scenario objectives like towns or other important hexes.

**4.3.1** At the beginning of the game Players control all hexes within their territory (behind frontline).

**4.3.2** Player gains control of enemy hex when his unit is on the hex at the end of Player's Supply Phase.

OR

**4.3.3** Player gains control of a hex if his unit's ZoC is influencing the hex and there are no enemy ZoCs influencing this hex at the end of Player's Supply Phase.

**4.3.4** Unit that surrendered during given Supply Phase does not provide control for any hexes.

**4.3.5** Only supplied units can control adjacent hexes (in their ZoC).

**4.3.6** Enemy ZoC (even of OoS units – see 10.2) denies control of an unoccupied hex (so if hex is unoccupied but in ZoCs of opposing units, neither Player controls it).

## 5.0 COMBAT

Direct combat between units is resolved during Combat Phase. In this phase unit can be attacked by regular units supported by aircrafts and artillery. Air attacks can be carried in Air Phase (by aircrafts only).

**5.1.1** Unit can fight only once during Combat Phase

**5.1.2** Regular unit can attack enemy unit on adjacent hex only.

**5.1.3** Unit in enemy ZoC must attack unless it is in fortifications (see 7.1.11 and 7.2.5).

**5.1.4** Enemy unit having attacking Player's units in its ZoC must be attacked.

**5.1.5** For single combat either attacker or defender must be on one hex.

**Example:**

a) American armored regiment unit enters ZoC of German infantry unit. In nearest Combat Phase American unit must attack (but not necessarily above mentioned German infantry) and German unit must be attacked (but not necessarily by American armor).

b) Soviet mechanized brigade enters hex adjacent to Romanian cavalry which is on swamps. Soviet ZoC does not extend onto swamps but since Soviets are in Romanian ZoC the cavalry must be attacked. Alternately – Romanian cavalry would not need to attack Soviets as its ZoC does not reach them.

c) Unit A has 3 enemy units (1, 2 and 3) on 3 adjacent hexes in its ZoC. Units 2 and 3 are entrenched, while unit 1 is not. Unit 1 is in ZoC of another unit B. In this case unit 1 must attack (5.1.3) which means that both units A and B must be attacked (5.1.4).

Following scenarios are possible:

Unit 1 attacks both units A and B. Then units 2 and 3 cannot participate in attack (because either side of a combat must be on one hex).

Unit 1 attacks unit B only - then there must be an attack made on unit A made by either unit 2 or 3 (or both) even though they are entrenched.

**5.1.6** Attacking Player chooses order of the



attacks.

**5.1.7** Attacking Player chooses when Combat Phase finishes (decides on voluntary attacks), but not sooner than 5.1.3 and 5.1.4 are satisfied.

**5.1.8** Player owning the units decides which of his units take losses inflicted during combat.

**5.1.9** Attack on HQ alone on hex is always resolved at maximum Combat Ratio (right-

most column) in COMBAT TABLE. HQ cannot retreat in such combat and sustain losses according to 5.3.7.

**5.1.10** Towed units (towed artillery, anti-tank (AT), anti-aircraft (AA) guns etc.) cannot attack in direct combat.

### [5.2] Combat Procedure

**5.2.1** Combat procedure is as follows:

a) Attacker selects attacking unit(s) and their target(s).

b) Both sides total SPs and combat modifiers are counted.

c) Combat ratio is calculated (see [1.5])

d) Combat modifiers are applied (see [1.6]).

e) Two dice (2K6) are rolled.

f) Intersection of final combat ratio column with row respective to dice roll provides combat result. It should be applied before g) in following order: first loss of SPs, than retreats and pursuits if any.

g) Any rolls for disorganization are made.

**Example:**

German armored division attacks 2 Soviet cavalry brigades that are in the woods (not fortified). German total strength is 17 SPs. Soviet total strength is 8 SPs. Germans have 1 CM for Tactical Concentration and 1 CM for black star modifier (2 in total). Soviets have 1 CM for woods.

For this combat initial combat ratio is 17:8 => 2:1. Final combat ration must include both Players' CMs which makes it 3:1. If combat result is B2/-1 then Germans must lose 1 CEL (in unit(s) that used black star modifier) and Soviet must:

lose 2 CEL and does not retreat.

lose 1 CEL and retreat by 1 hex.

retreat by 2 hexes (1 disorganization test must be made).

**Note:** Combat results are explained below COMBAT table.

### [5.3] Retreat

**5.3.1** Unit retreat when a combat result is Dx or Ax (x marks number of hexes unit to retreat).

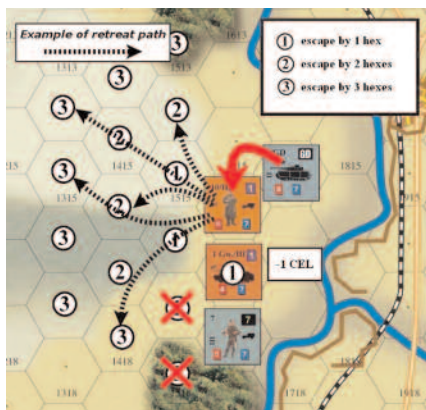
**5.3.2** Unit retreat by given number of hexes from hex they fought.

**5.3.3** During retreat unit cannot enter enemy ZoC, impassable terrain or leave the map.

**5.3.4** Unit can retreat through hexes in enemy ZoC if they are occupied by friendly unit(s). For each hex of such retreat unit loses additional 1 CEL.

**Example:**

Below picture shows retreat hexes available for Soviet infantry after successful attack by German armored battalion.



If Soviet Player decides to retreat on friendly armored unit then retreating unit must additionally lose 1 CEL.

**5.3.5** During retreat unit can cross big river only through bridge.

**5.3.6** Unit cannot finish retreat on hex where it would cause exceeding stacking limit. Unit can retreat through such hexes. B Unit can choose not to retreat – each hex of such sustained retreat cost 1 CEL reduced from units that do not retreat by required number of hexes.

#### Example:

Combat result is D3. Player has 4 options:

- withdraw by 3 hexes
- withdraw by 2 hexes and carry additional loss of 1 CEL
- withdraw by 1 hex and carry additional loss of 2 CELs.
- keep position and lose 3 CELs

**5.3.8** Additional losses due to sustained retreat are taken regardless on number of hexes units occupied before the combat.

#### Example:

Soviet guard division is attacked by 3 German armored battalions (from 3 different hexes). If attacking Germans receive combat result A1 and German Player wants to keep positions he must carry loss of 1 CEL from any of 3 units that took part in the attack.

If German Player does not want to lose 1 CEL he must withdraw all 3 units by 1 hex. German Player may also leave some units (e.g. 2 of 3 attacking) and withdraw the rest. In this case he must carry loss of 1 CEL from unit(s) that remained on the position(s).

**5.3.9** Retreat obliges Player to conduct disorganization test(s) (see 5.6.2). Player must make test for each (except the first one) hex of his retreat path.

#### Example:

- a) Attacker received combat result A2 and retreated by 2 hexes. It must make 1 disorganization test.
- b) Defender received combat result D4 and retreated by 3 hexes. 2 disorganization tests

must be made.

c) Result D3 result and retreat by 1 hex does not require making disorganization test.

**5.3.10** After retreat, in next Movement Phase, unit cannot build Field Fortifications.

## [5.4] Pursuit

**5.4.1** If enemy units retreated as a result of a combat, then opposing units can pursuit.

#### Note:

Defender can also pursuit – if attacker retreats after unsuccessful assault (result Ax).

**5.4.2** Pursuit must be made through retreat path and allows leaving it by 1 hex.

**5.4.3** If several units retreated through different paths then pursuing Player can choose any one of them.

**5.4.4** First hex of any pursuit must be the hex emptied by retreating unit(s).

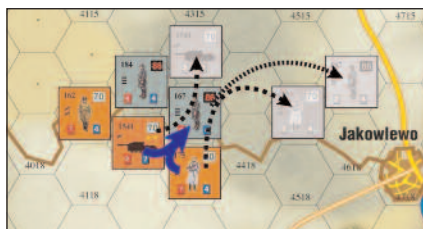
**5.4.5** Enemy ZoCs are ignored during pursuit.

**5.4.6** Pursuing units can move number of hexes not greater than length of retreat path.

#### Example:

Defending German 167 Regiment received combat result D4. It retreated by 3 hexes. In this situation pursuit can be made by up to 3 hexes and first hex must be the one emptied by defender.

**5.4.7** Pursuit is not limited by MPs unit has



but it cannot enter impassable terrain or leave the map.

**5.4.8** Pursuing unit must stop after it crosses big river.

**5.4.9** Towed units cannot pursuit.

**5.4.10** If enemy unit was eliminated in combat then victorious units can enter emptied hex and move on any adjacent hex (all movement limitations, especially influence of enemy ZoCs, apply in this case).



## [5.5] Terrain Influence

**5.5.1** Terrain effect on combat is described in TERRAIN EFFECT table.

**5.5.2** Terrain influence on combat is cumulated.

#### Example:

If defender is in woods (+ 1 CM) and is attacked through river (+1 CM) then defending Player gains +2 CMs for this fight.

**5.5.3** If defender fights on multiple hexes the one with most SPs is counted for any CMs gained by defender.

**5.5.4** Rivers and/or streams influence combat only when more than half of SPs of attacking units assault through this obstacle.

## [5.6] Disorganization

**5.6.1** Unit becomes disorganized during combat (direct combat, artillery attack or air attack) in three cases:

- combat result marks disorganization (e.g. result D3D means that defender retreats by 3 hexes and becomes disorganized)
- attacking Player fails disorganization test (marked by black dot in given combat result table).

Defender fails disorganization test after retreat.

**5.6.2** Disorganization test requires Player to throw 2 dices (2K6). If result is higher or equal than unit morale limit, then it become(s) disorganized.

Nation	Unit type	Morale limit
Germans	SS units	12
	Wehrmacht	11
	Volkssturm	9
Allies	Americans, British, Poles	11
	French, Romanians, Hungarians	9
	Belgians, Dutch	8
	Italians	7
Soviets	Guards	11
	other	9

**5.6.3** Artillery can be disorganized only if it fights on hex adjacent to the enemy.

#### Example:

Artillery unit supported infantry attack from distance of 2 hexes. If attacking units becomes disorganized as a result of the attack, supporting artillery does not. If artillery supporting the attack were on hex adjacent to enemy units being attacked than it would disorganize together with regular units.

**5.6.4** Disorganized unit has its strength (both in attack and defense) halved.

**5.6.5** In order to organize unit must remain

inactive during full turn.

#### Example:

- Unit became disorganized during combat. If unit remains inactive until end of its next Combat Phase than it regains full strength (after its next Combat Phase). In order to do this unit cannot move, attack or be attacked.
- Unit became disorganized as a result of air attack (phase 7). If unit does not move, attack or be attacked than it regains full strength at the end of phase 7 next turn.

**5.6.6** Disorganized units are covered with disorganization marker.

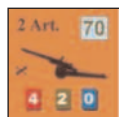


## 6.0 ARTILLERY

Artillery (as well as air units) can fight indirectly by supporting friendly regular units" attacks or defenses from remote hex(es).

### [6.1] Basic Rules

**6.1.1** Artillery is divided into 2 types: towed and self-propelled.



towed artillery



self-propelled artillery

**6.1.2** Artillery range is 3 hexes.

**6.1.3** Artillery can use ranged fire only when in combat setup (see 6.2).

**6.1.4** Artillery can fire twice during the turn – once in each Combat Phase.

**6.1.5** Artillery units do not have ZoC; except situation described in 10.1.11.

**6.1.6** Towed artillery has always 1 CEL.

**6.1.7** Towed artillery can be eliminated by enemy regular unit entering its hex. During Movement Phase such action cost 1 MP – if artillery unit is in fortifications then cost increases by 1 MP.

#### Example:

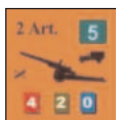
3 artillery units alone on hex can be eliminated if enemy regular unit enters the hex and spends 3 MPs. If artillery units were fortified then cost for such action would be 4 MPs.

### [6.2] Movement

**6.2.1** Towed artillery is always treated as trucked units.

**6.2.2** Towed artillery has icon of a gun at the

front (combat setup) and icon of a truck on the reverse (transport setup).



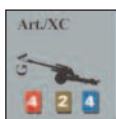
combat setup



transport setup

#### Note:

Some (older) games" counters do not have combat/transport setup printed. They have icon of a gun on the front and empty reverse side. For those, empty reverse should be treated as transport setup with MPs printed on the front of the counter. Those towed artillery units should be still treated as trucked units.



combat setup



transport setup  
(empty reverse)

**6.2.3** Towed artillery can move only when in transport setup.

**6.2.4** Change of setup is possible only during Movement Phase and cost 1 MP.

#### Note:

Above two points make it unable for the artillery in combat setup to withdraw after direct attack. In such situation artillery units must suffer losses and/or is eliminated by enemy units entering the hex during pursuit.

#### Example:

An infantry unit (2 CELs) and towed artillery unit (in combat setup) on one hex are attacked by the enemy. If combat result is D2 then following scenarios are possible:

- Infantry retreats by 2 hexes and enemy eliminates the artillery during pursuit.
- Artillery is eliminated (loss of 1 CEL) allowing infantry to retreat by 1 hex only.
- Both artillery and infantry suffers loss of 1 CEL. Artillery is eliminated but that allows the infantry unit to keep position. Elimination of infantry unit (by losing 2 CELs) would not save the remaining artillery – attacking Player can enter its hex in pursuit and eliminate artillery unit.

If artillery was in transport setup it couldn't fight but would be able to retreat without taking losses.

### [6.3] Support Fire

**6.3.1** Artillery (only in combat setup) can support friendly regular units in combat adding its attack/defense strength to SPs of the fighting units.

**6.3.2** For attack any of the attacking hexes

must be within artillery's range.

**6.3.3** For defense any of the defending hexes must be within artillery's range.

**6.3.4** Artillery providing support fire does not suffer combat results (cannot pursuit or retreat, cannot disorganize etc.)

**6.3.5** Support fire can be made on adjacent hex. In such situation artillery units suffer all combat effect.

### [6.4] Ranged Attacks

**6.4.1** Artillery (only in combat setup) can fire directly to enemy units on remote hexes – in this case offensive SPs are used.

**6.4.2** Procedure of a ranged attack is as follows:

- Player declares number of units carrying the attack and select target (one hex) that must be within range of all attacking units.
- Player sums total SPs of attacking artillery units and subtracts doubled terrain modifier of the defender.
- Player rolls 2 dice (2K6).
- Result is looked up in ARTILLERY FIRE table.

**6.4.3** Ranged attack cannot be made on adjacent hexes.

**6.4.4** Ranged attacks can be supported by air units.

**6.4.5** Unit that is target of a ranged attack cannot be attacked directly in given Combat Phase. If they must be attacked (e.g. due to 5.1.3) then ranged attack cannot be made.

**6.4.6** Artillery that was target of a ranged attack, after applying its result, can in the same phase support defense of friendly regular units.

#### Example:

Artillery unit was attacked by enemy artillery ranged fire. As a result artillery unit was disorganized. The unit can support defense of friendly units in the same Combat Phase using half of its defensive SPs.

**6.4.7** Artillery can target objects (in this case also on adjacent hexes). Attack procedure is analogous to that in 6.4.2 (but no terrain modifiers are accounted for) and result is looked up in ATTACKS ON OBJECTS table.

### [6.5] Barrage

**6.5.1** Some scenarios allow making artillery barrage – Players can execute it only when it is explicitly described in game scenario description.

**6.5.2** Barrage is executed in Barrage Phase.

**6.5.3** Barrage is carried analogous to 6.4 with firing artillery units strength doubled.

**6.5.4** Barrage fire on one hex must be made by

at least 2 artillery units.

**6.5.5** Artillery units firing barrage cannot move in the same Movement Phase

**6.5.6** Artillery unit firing barrage cannot support friendly units during next 2 Combat Phases (Player's attack and defense).

**6.5.7** Barrage is limited by Ammo Units (AU) – every artillery firing in the barrage must use 1 AU. Number of AUs available is described in the scenario.

**Example:**

If scenario allows for barrage during first 2 turns and provides 8 AUs for that it means that Player can (for example):

- Use available AUs in the first turn (if he has enough artillery units).

- Fire e.g. with 3 artillery units (using 3 AUs) during first turn and firing with 5 artillery units (using remaining 5 AUs) in the second turn.

**6.5.8** Player does not have to execute the barrage nor use all AUs available.

## [6.6] Direct Combat

**6.6.1** Artillery attacked directly can support defense according to 6.3 only when stacked with at least one regular unit.

**6.6.2** Artillery can support attack on adjacent hex according to 6.3 even without being stacked with regular unit.

**Note:**

This means that artillery practically always can support attack using its offensive SPs. Although support from hex adjacent to enemy may result in artillery disorganization.

**6.6.3** Towed artillery in combat setup, alone on hex, defends always with 1 SP when attacked directly. Defense of such hex is always 1 SP regardless of number of artillery units attacked.

**Example:**

Enemy attack 2 hexes: 1 hex is occupied by cavalry unit (regular unit) with 5 SPs and the second hex is occupied by 2 artillery units (in combat setup) having 5/3 SPs each.

- In such case defending units have 6 SPs
- If the units were attacking they could use 15 SPs.

- If there were another regular unit with artillery on hex they could use their 6 defensive SPs.

**6.6.4** Towed artillery in transport setup, alone on hex, defends analogous to 5.1.9.

**6.6.5** Self-propelled artillery always fights using its offensive/defensive SPs.

## 7.0 FORTIFICATIONS

### [7.1] Field Fortifications

**7.1.1** Field Fortifications (FF) are marked by putting respective auxiliary counter under the unit on the hex.



**7.1.2** FF are built in Movement Phase by a regular unit that:

- a) will not be moved AND
- b) didn't retreat in last Combat Phase (it is allowed to sustain retreat and take losses).

**7.1.3** Unit that retreated and is unable to leave enemy ZoC can build FF (7.1.2 b) can be ignored).

**7.1.4** Building FF cost all MPs unit had at the beginning of Movement Phase.

**7.1.5** FF is removed from the map if there is no unit on the hex at the end of the phase

**Note:**

This means that all units that were on the hex with Field Fortifications can leave and if other friendly unit enters the hex by the end of the phase it can still use the same FF.

**7.1.6** FF is removed when enemy unit enters the hex. The same FF cannot be used by opposite Players.

**7.1.7** FF can be rebuilt on the same hex by both sides.

**7.1.8** FF can be built on any terrain except swamps.

**7.1.9** FF cannot be built on hexes with Fixed Positions.

**7.1.10** FF provides 2 CMs for defending unit(s).

**7.1.11** Units on hex with FF do not need to attack (see 5.1.3).

**7.1.12** FF does not add any cost for movement..

### [7.2] Fixed Positions



**7.2.1** Fixed Positions (FP) are marked on the map in the form of black-red lines or areas („Zigfrid Line in Ardennes or Normandy beaches fortifications).

**7.2.2** FP halves total SPs (including artillery and air support) of attacking units and provide additional 3 CMs for defender.

**7.2.3** Some hexes may create independent FP group that provides different CMs bonus for defender.

**7.2.4** FP is accounted for if no less than half of attacker's SPs assault through FP hex



edge. If more attacker SPs are used for attack from the rear side of FP then defender loses all bonuses of FF (is treated as if defended in FF).



**Example:**

Infantry division is defending on Fixed Positions Line. It is attacked by 3 units: A, B and C. Attack by unit A is through FP line while attack by units B and C is not. Strength of attacking units on hex A is 15 SPs, strength of units on hex B is 5 SPs and strength of units on hex C is 10 SPs.

In this case defender receives all bonuses provided by Fixed Position line (as enemy units attacking from the rear are not stronger than those attacking frontally). Nominal attack SPs of unit A will be smaller than those of units B and C due to the fact that its SPs will be halved.

If attacker regrouped and put additional SPs on hex B or C than defender didn't receive FP bonuses and would be treated as if he was in Field Fortifications.

Note that unit's A SPs are always halved (same as artillery and air support) even if no FP bonus is gained by defending unit due to stronger units attacking from the rear. What changes is CMs received by defender.

**7.2.5** Units in FP do not need to attack (see 5.1.3).

**7.2.6** Loses due to sustained retreat for units in FP are reduced by 1.

**Example:**

Above rule means that for combat result D1, if defender wants to keep position he does not carry additional losses, for D2 would need to carry loss of 1 CEL, for D3 would need to carry loss of 2 CELs etc.

## 8.0 AIR UNITS

For simplicity reasons game reflects only air operations that influenced main ground forces. Therefore game reflects only bombers and offensive air support and omits aspects connected with fighters" combats. Air units are assumed to have fighters cover which provides very simple reflection of air combat if opposite Players happen to choose operation on the same or adjacent hex.

### [8.1] General Rules

**8.1.1** In the game air units are artificially grouped and represented by air counters with strength provided on them.

**Note:**

1. Some scenarios provide only number of air SPs available for Player. In such situation Player can freely divide them into air missions.

2. Some (older) games provide only number of air counters available (without strength printed). In such case Players should assume each counter is equivalent of 5 SPs (4 SPs for Soviet counters).

**8.1.2** Air counters allow carrying air missions during Air Phases.

**8.1.3** Air counter can be used for one air mission only.

**8.1.4** Players can carry missions during any Air Phase.

**8.1.5** Each counter can be used only once during a turn

**8.1.6** There can be unlimited number of air counters on a hex.

**8.1.7** Air missions should be chosen secretly by each Player during each Air Phase.

**8.1.8** If enemy air units carry missions on same or adjacent hexes then air combat takes place.

**Air combat procedure:**

Each Player sums SPs used on a hex and adds result of one dice (1K6) roll. Player with lower result loses the combat and removes his counters from the map. Ties are rerolled until winning side is chosen.

**8.1.9** Air units that were forced to retreat during air combat cannot be reused in the same turn.

### [8.2] Air Missions

**8.2.1** There are following missions:

- offensive support
- defensive support
- air attack
- objects destruction

Soviet movement disorganization  
rivers crossing disorganization  
supply mission

**[offensive support]**

**8.2.2** Air units supporting assault of regular units add their strength to SPs of attacking friendly units.

**8.2.3** Air units can support artillery ranged attack – SPs of aircraft units is added to SPs of firing artillery.

**[defensive support]**

**8.2.4** Air units supporting defense of ground units add half of their strength to SPs of defending units.

**Example:**

Player chooses 3 units (having 13 SPs in total) to support defense of friendly infantry regiment. Strength added to this defense is 7 SPs.

**8.2.5** Soviet air units cannot be used for defensive support.

**[air attack]**

**8.2.6** Air units can attack enemy ground units. Effect of the attack is set according to AIR ATTACK table.

**8.2.7** During air attack doubled defender's terrain modifiers are subtracted from total SPs of attacking air units.

**Example:**

Player chooses 20 SPs of air units to attack German armored battalion on hills (2 CMs). From initial SPs of attacking air units, 4 SPs (2 x 2 CMs) is subtracted. As a result attack is carried with 16 SPs.

**[object destruction]**

Currently the only object that air unit can target is bridge.

**8.2.8** Results of air attack on an object are in ATTACKS ON OBJECTS table.

**8.2.9** Terrain modifiers are not counted for attack on objects.

**8.2.10** Minimum of 4 SPs must be used to air attack objects.

**[Soviet movement disorganization]**

**8.2.11** Air units can disorganize movement of Soviet (only) ground units.

**8.2.12** Minimum of 7 SPs must be used for each mission targeted to disorganize Soviet movement.

**8.2.13** Movement disorganization mission adds movement cost of +1 MP to target hex and to all adjacent hexes.

**8.2.14** Unit starting its movement under movement disorganization mission loses 1 MP (per each mission).

**8.2.15** Impact of air counters in movement disorganization missions is cumulated.

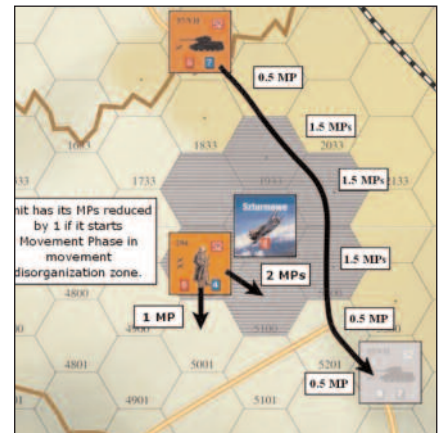
**Example:**

German Player executes one disorganization mission. If Soviet Player moved 57th armored brigade along the road then he needs to pay additional 1 MP per each hex

influenced by German air counter.

294th infantry division that starts movement on hex influenced by German air mission has its MPs reduced by 1. It still needs to pay additional 1 MP (2 MPs in total) for movement within influenced area.

If German Player carried 2 missions then Soviet units would have to spend +2 MPs per hex influenced by those missions and/or lose 2 MPs if they start movement on such hexes.



**[river crossing attack]**

**8.2.16** Air units can attack enemy units crossing big rivers in Movement and Strategic Movement Phase.

**8.2.17** During river crossing attack missions Player receives number of air attacks equal to doubled value of air SPs used.

**8.2.18** Player assigns any number of the attacks to given hex(es). If more than 1 hex is chosen than they must be connected with each other.

**8.2.19** Each enemy unit crossing river must roll 1 dice (1K6) for each such air attack assigned to the hex:

result 1-5 means no losses

result of 6 means loss of 1 CEL.

**Note:**

River crossing attack targets hex that unit enters after it crossed big river.

**Example:**

Unit must roll twice if 2 air attacks are assigned to hex of its river crossing.

**8.2.20** Unlimited number of units can be attacked during one turn.

**8.2.21** Ground units crossing rivers through bridge are not influenced by river crossing disorganization missions.

**[supply mission]**

**8.2.22** Allied air units (American and British) can supply friendly ground units.

**8.2.23** Player must spend at least 7 SPs of air units to carry out supply mission.

**8.2.24** Player must roll 1 dice (1K6) for each air unit carrying supply mission – on result of 6, the mission is unsuccessful.



[10.2] Out of Supply

**10.2.1** Unit's that are unable to trace LoS during Player's Supply Phase are considered Out of Supply (OoS) and covered with counter marking OoS level equal to 1.

**10.2.2** OoS units have their movement and attack strength halved (they still have full strength in defense).

**10.2.3** Player, by increasing OoS level of unit by 1, can:  
move unit using its full MPs limit  
attack using unit's full strength

**Example:**

If Player moves unit out of supply using its full Movement Points limit and then attack using units full strength that OoS level of this unit is increased by 2.

**10.2.4** Unit's OoS level is increased by 1 when:  
- unit is successfully attacked by enemy (result Dx)  
- unit's attack fails (defender does not obtain Dx result)

**Example:**

If OoS unit moves with full Movement Points limit, and then unsuccessfully attacks using its full strength then its OoS level increases by 3. If in subsequent Combat Phase unit is successfully attacked by enemy than its OoS level increases additionally by 1.

**10.2.5** OoS modifications are made just after the action (movement or combat) which changes it.

**10.2.6** Each OoS unit undergoes surrender procedure during Supply Phase:  
Surrender Procedure:  
Player rolls two dices (2K6) and then subtracts the result from current OoS level. If OoS level modified this way is greater than 0 then unit surrender and its counter is eliminated from the game.

**10.2.7** If OoS unit regains supply (Player can trace LoS to the unit at the beginning of Supply Phase) then its OoS level is reduced by 4.

**10.2.8** Unit which OoS level is 0 or less regains all its base combat statistics (SPs and MPs).

**Example:**

It will take 2 Turns with full supply for unit with OoS equal to 5 to regain full combat abilities.

11.0  
REINFORCEMENTS

[13.1] Basic Rules

**11.1.1** Reinforcements for each Player are provided in game scenarios.

**11.1.2** Reinforcements can enter map in entry zones (hexes) described in game scenarios.

**11.1.3** Reinforcements can enter map during Movement Phases and Strategic Movement Phases.

**11.1.4** Reinforcements cannot enter the map from entry zones controlled by enemy.

**11.1.5** If reinforcement units cannot enter the map stacked on one hex then Player should divide them into stacks and add entry hex MPs cost for movement of each next stack. This effect is cumulated for subsequent reinforcement stacks.

**Example:**

Player has 10 full infantry units (2 CELs each) and decides they enter the map from one hex. This number of units must be grouped into no less than 3 stacks.

Assuming that entry hex is woods and infantry pays 2 MPs to enter it, the cost of entry is as follows:

- first stack (selected by the Player pays) 2 MPs to enter this hex
- second stack pays 4 MPs to enter this hex
- third stack would need to pay 6 MPs to enter this hex (but since infantry units are not likely to have 6 MPs this unit will have to wait until next Movement Phase to enter the map or Player would have to change entry zone – see below)

If unit enters the map through hex with road and infantry movement cost on the road is e.g. 0.5 MP than:

- first stack would pay 0.5 MP to enter the hex
- second stack would pay 1 MP to enter the hex
- third stack would pay 1.5 MPs to enter the hex

[11.2] Entry Zone Changing

Player may want to or be forced to (by enemy controlling entry zone) to change entry hexes for his units.

**11.2.1** Player can change entry zone and enter adjacent entry zone in the same Movement Phase at cost of half of unit's MPs.

**Example:**

Second armored division (7 MPs) was to enter the map from entry (hex) zone C. In the same Movement Phase Player can switch entry zone and enter the map from zone (hex) B or D with his division having 3.5

MPs for entering the map and subsequent movement.

**11.2.2** Player can delay unit's entry and „move“ by 3 entry zones instead of entering the map. On next Movement Phase such unit(s) can enter the map from new entry zone using all their MPs.

**Example:**

There are 10 entry zones: A, B, C, D, E, F, G, H, I and J. According to scenario Player can enter his reinforcements in zone C.

During current Movement Phase Player can enter zone C with unit's all MPs, zones B or D with half units' MPs or enter zones A, B, C, D, E and F in next Movement Phase using unit's all MPs.

To enter from zones G, H and I Player would need to delay entry of his units by 2 turns. To enter from zone J Player would need to delay entry of his units by 3 turns



**11.2.3** Unit can leave map through entry zone during Movement Phase or Strategic Movement Phase. On next Movement Phase unit is treated as reinforcement unit that can enter the map in the same entry zone (or delay its entry and move to different entry zone).

**11.2.4** If there are no entry zones printed on map (and scenario enters units from edge of the map) Player should treat each road that leaves the edge of the map as separate entry zone.

12.0 STRATEGIC  
MOVEMENT



[14.1] Basic Rules

Strategic movement allows Player to relocate his units after all attacks were made therefore he can exploit any gaps that was created as a result of combats.

**12.1.1** Strategic Movement Phase (Phases 5 and 11) allows Player to move his units after Combat Phase.

**12.1.2** Strategic Movement (SM) can be made by units that were not activated during their Movement Phase and did not fight during their Combat Phase.

**12.1.3** All movement rules (see [3.0]) apply to Strategic Movement.

**12.1.4** Units to be moved in Strategic Movement are to be marked with „Strategic Movement“ counter.

[12.2] Detailed Rules

**12.2.1** Units that are in enemy ZoC cannot make SM.

**12.2.2** Units cannot enter enemy ZoC during SM.

**12.2.3** For SM units MPs are reduced by 2.

**Example:**

Motorized infantry regiment normally has 7 MPs. During Strategic Movement unit's MPs are reduced to 5 MPs.

## 13.0 TACTICAL CONCENTRATION

### [15.1] Basic Rules

**13.1.1** Tactical Concentration (TC) applies to German and Allied divisions or Soviet armored/mechanized corps.

**13.1.2** If 3 units of the same division/corps take part in a combat then commanding Player gains 1 CM.

**13.1.3** It is not required that units are on the same hex.

**13.1.4** TC effect is cumulated.

**Example:**

If 9 units of 3 different divisions (3 of each) take part in a combat then Player gains 3 CMs. If 6 units of single division take part in a combat then Player gains 2 CMs.

**13.1.5** Unit's organic artillery (e.g. artillery of armored or motorized divisions) count for TC even if artillery uses ranged fire to support regular units.

## 14.0 BRIDGES

### [14.1] General Rules

**14.1.1** All bridges are objects (hence can be e.g. destroyed by artillery and/or aircrafts).

**14.1.2** Destroyed bridges can be marked by „bridge destroyed“ counter or by removal of „bridge“ counter.

**14.1.3** Bridges are controlled analogous to other objectives, but if opposing units are on each sides of the bridge then Player whose unit was first at the bridge controls it.

**Example:**

Bridge connects hexes A and B and there is German garrison on hex B. The bridge is owned by Germans.

Allied unit(s) moved to hex A, attacked Germans and forced them to retreat from hex B. Now the bridge is controlled by Allies.

Even if Germans reenter hex B the bridge

will still be controlled by Allies (and only they will be able to destroy it) until they decide (or are forced) to empty hex A and Germans stay on the other side.

**14.1.4** Bridge can be destroyed only by Player who controls it.

### [16.2] Rivers and Streams

**14.2.1** Bridges on river or stream can be destroyed by any regular or HQ unit at cost of 1 MP (unit must be on any side of the bridge).

**14.2.2** Bridge on river or stream can be rebuilt by any non-artillery unit within HQ range (HQ itself can also rebuild bridge) at cost of 3 MPs.

**14.2.3** Bridges on rivers or streams can only be rebuilt. Player cannot build a bridge if there is no bridge printed on the map.

### [14.2] Big Rivers

**14.3.1** Bridges on big river can be destroyed by any regular or HQ unit at cost of 3 MP (unit must be on any side of the bridge).

**14.3.2** Bridge on big river can be built or rebuilt by a HQ unit according to following procedure:

HQ unit must be at one of the river's sides at the end of its Supply Phase.

In his next Movement Phase Player declares bridge building and secretly notes hexes connected (HQ uses all its MPs for bridge building).

If other hex of the river (that bridge is going to connect) is controlled (not in enemy ZoC or friendly regular unit on both hexes) by the Player till next Turn's Movement Phase then bridge is built and can be used in this Movement Phase (HQ uses all its MPs for bridge building).

**Example:**

In Turn 5 HQ unit takes part in pursuit that ends at the bank of big river (hex A). In Turn 6, during Movement Phase, Player can declare bridge building (to connect hex A with hex B). If Player manages to control hex B till Movement Phase on Turn 7 then it is built and can be used from this phase.



**14.3.3** One bridge can be built/rebuilt by one HQ only

**14.3.4** During bridge building HQ unit cannot move (it can be attacked but must stay on the hex).

## 15.0 SPECIAL UNITS

Some units during combat had special abilities that could not be included in Strength Point factor. Such units' positive or negative influence during combat is described in this chapter.

### [15.1] Basic Rules

#### [15.11] Starred Units

**15.1.1** Units that had considerable advantage during a fight are marked by colored stars which reference unit's special abilities that can be used in combat.

**15.1.2** Special abilities are described in below table.

**15.1.3** Each star provides +1 CM during combat.

**15.1.4** Star influence is cumulated. At the one hex, player may use no more than 3 star CM



**15.1.5** Towed units (e.g. towed anti-tank guns) can use their abilities only in defense.

**15.1.6** Player can decide if he wants to use unit's special ability (see 15.1.7).

**15.1.7** If Player uses special ability during combat and suffers any loses than at least 1 CEL must be reduced from units using their abilities during the combat.

15.1.8 Unit's special abilities cannot be used in



assault through big river.

16.0 UNIT MASKING

16.1.1 During game Players cannot look what's in enemy stacks (effectively only top counter is visible in this case).

16.1.2 Player can cover his units with masking auxiliary counters which disallows to see top unit on the stack.

16.1.3 Players can look up enemy stacks that took part in combat – during and after it - until end of current Combat phase.

16.1.4 When enemy units are on adjacent hex then following information must be provided by opponent:

- enemy units are fortified: unit type of each counter
- enemy units are not fortified: unit type and number of CELs of each counter.

17.0 AIR UNITS



17.1 Basic Rules

21.1.1 Out of 6 air counters in the system, 2 have white stars. They are treated similarly to white stars for regular ground units (they provide column shift for ground attack support and row shift for air attack – see [15.1]).

21.1.2 Only 2 air counters can carry air mission on one hex.

TERRAIN INFLUENCE

Terrain:	Movement		combat effect
	motorized (track or half-track)	non-motorized	
clear	2(1)	1	-
hills	3(2)	1	+1
forest	4(3)	+1	+1
citi <sup>1</sup>	3	+1	+2
town	2	-	+1
main route	1/3 (1/2)	1/2	-
secondary route	1/2 (1 <sup>2</sup> )	1 <sup>1</sup>	-
river	+2	+1	+1
Danube	Only through the bridge	3	Halves Attacker's SP

1) if all movement is made on secondary route unit can move one additional hex on this road

Counter	Color	Influence	Attack	Defense
	black star	Influence combat against unfortified units. <i>Disabled if enemy uses white star.</i> <i>Disables yellow stars.</i>	YES <i>(if enemy is not fortified)</i>	YES
	white star	Influence combat against enemy mechanized units (and armored cars) <i>Disables black and yellow stars.</i>	YES <i>(see 15.1.5)</i>	YES
	yellow star	Influences any attack. <i>Disabled if enemy uses black or white star.</i>	YES	NO
	blue star	Influences any combat. <i>Cannot be disabled by enemy stars.</i>	YES	YES

### Bomber Attack

SPs used	2 dices (2D6) roll										
	2	3	4	5	6	7	8	9	10	11	12
1-2	-1	-1	-	-	-	-	-	-	-	D	-1
3-5	-1	-1	D	-	-	-		-	D	-1	-1
6-8	-1D	-1	-1	D	-	-	--	D	-1	-1	-1D
9-12	-1D	-1D	-1	-1	D	-	D	-1	-1	-1D	-1D
13-16	-	-1D	-1D	-1	-1	D	-1	-1	-1D	-1D	-
17+	-	-2D	-1D	-1D	-1	D	-1D	-1D	-1D	-2D	-

-1 - Player loses 1 CEL

D - units on hex are disorganized

Doubled defender's terrain modifiers must be subtracted from air SPs used

### Air Attack

SPs used	2 dices (2D6) roll										
	2	3	4	5	6	7	8	9	10	11	12
1-2	-	-	-	-	-	-	-	-	-	-	-1
3-5	-1	-	-	-	-	-	-	-	-	-1	-1
6-8	-1D	-1	-	-	-	-	-	-	-1	-1	-1D
9-12	-1D	-1D	-1	-1	-	-	-	-1	-1	-1D	-1D
13-16	-	-1D	-1D	-1	-1	-1	-1	-1	-1	-1D	-
17+	-2D	-	-1D	-1	-1	-1	-1	-1	-1D	-	-2D

-1 - Player loses 1 CEL

D - units on hex are disorganized

Doubled defender's terrain modifiers must be subtracted from air SPs used

### Artillery Fire

SPs used	2 dices (2D6) roll										
	2	3	4	5	6	7	8	9	10	11	12
1-2	-1	-	-	-	-	-	-	-	-	-	•
3-5	-1	D	•	-	-	-	-	-	-	•	D
6-8	-1 •	-1	D	•	-	-	-	-	•	D	-1
9-12	-1D	-1 •	D	•	-	-	-	•	D	-1 •	-1D
13-16	-	-1D	-1 •	D	•	-	•	D	-1 •	-1 •	-
17+	-	-1D	-1D	-1 •	-1	D	D	-1	-1 •	-1D	-

-1 - Player loses 1 CEL

D - units on hex disorganized

• - disorganization test

Doubled defender's terrain modifiers must be subtracted from air SPs used

### Attack on Objects

SPs used	rzut 2 x K6										
	2	3	4	5	6	7	8	9	10	11	12
1-2	Z	-	-	-	-	-	-	-	-	-	-
3-5	Z	Z	-	-	-	-	-	-	-	Z	Z
6-8	Z	Z	Z	-	-	-	-	-	Z	Z	Z
9-12	-	Z	Z	Z	-	-	-	Z	Z	Z	-
13-16	-	-	Z	Z	Z	-	Z	Z	Z	-	-
17+	-	-	Z	Z	Z	Z	Z	Z	Z	Z	-

Z – object destroyed

COMBAT TABLE

	1 : 4	1 : 3	1 : 2	1 : 1	2 : 1	3 : 1	4 : 1	5 : 1	6 : 1	7 : 1	8 : 1	9 : 1	10 : 1
2 x D6	-1/-1D	-1/B1D	-1/B1D	-1/B2D	-1/B3D	-1/B3D	-1/B3D	-1/B4D	-1/B4D	-1/B4D	-1/B4D	-1/B5D	-1/B5D
	-1/-	-1/B1	● /B1	● /B2	● /B2-1	● /B3-1	● /B3-1	● /B3-1	● /B4-1	● /B4-1	● /B4-1	● /B4-1	● /B5-1
	A1●/-	● /-1	● /B1	● /B1	● /B2	● /B3	● /B3	● /B3	● /B3	● /B4-1	● /B4-1	● /B4-1	● /B4-1
	A1-1/-	-1/-	-1/-1	● /B1	● /B2	● /B2	- /B3	- /B3	- /B3	- /B3	- /B4	/B4	/B4-1
	A1-1/-	A1●/-	-1/-1	- /B1	- /B2	- /B2	- /B2	- /B3	- /B3	- /B3	- /B3	- /B4	- /B4-1
	A2-1/-	A1/-	A1/-	-1/-1	- /B1	- /B2	- /B2	- /B2	- /B3	- /B3	- /B3-1	- /B3-1	- /B4
	A2-2/-1	A1-1/-	A1/-	-1/-1	- /B1	- /B2	- /B2	- /B2	- /B2-1	- /B3-1	- /B3	- /B3	- /B3
	A2-2/-	A2-1/-1	A1-1/-	-1/-	-1/B1	- /B1	● /B2-1	● /B2-1	● /B2	- /B2	- /B3	- /B3	- /B3
	A2-2/-	A2-2/-	A2-1/-1	A1/-	-1/B1-1	-1/B1-1	-1/B2	- /B2	- /B2	● /B2	● /B2	● /B3	- /B3
	A2-2/-	A2-2/-	A2-2/-	A1-1/-	-1/-1	-1/-1	-1/B1	-1/B2	-1/B2	-1/B2	-1/B2	-1/B2	● /B3
	DA2-2/-1	DA2-2/-1	DA2-2/-1	DA2-1/-1	D-1/-1	D-1/-1	D-1/-1	D-1/B2	D-1/B2	D-1/B2	D-1/B2	D-1/B2	D-1/B2
	DA2-2/-1	DA2-2/-1	DA2-2/-1	DA2-1/-1	D-1/-1	D-1/-1	D-1/-1	D-1/B2	D-1/B2	D-1/B2	D-1/B2	D-1/B2	D-1/B2

DISORGANIZATION

2 x D6	nationality	
12	SS	Germans
11,12	other	
9-12	volksgrenadiers. Volksturm	
11-12	Alies, Russians (guards)	
10-12	other Russians	
9-12	French, Romanians, Hungarians	
8-12	Belgians, Netherland	
7-12	Italians	

Modifications: terrain, HQ, tactical concentration, units' abilities

Examples:

- 1 / -1 => both Players lose 1 SP
- D2 -1 => defender must retreat by 2 hexes and loses 1 SP
- 1 / D2 -1 => attacker loses 1 SP, defender retreats by 2 hexes and loses 1 SP
- 1 / D4D => attacker loses 1 SP, defender retreats by 4 hexes and disorganize
- AID => attacker retreats by 1 hex and disorganize
- Roll for D