



Hungarian Modern Spearhead lists 1969-1989

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General notes:

These list covers the six Motor Rifle and Tank Divisions of the Hungarian People's Army from 1969 (the aftermath of the invasion of Czechoslovakia) until 1987, when the Ground Forces were reorganized from an Army + Divisions structure into one of Corps + Brigades, and from then until 1989 when the Communist state collapsed.

The Hungarian military stagnated after the Hungarian revolution in 1956, as the subsequent hosting of large numbers of Soviet troops enabled the government to neglect military spending in favour of expenditures on other budgetary items. The army was limited to 6 fighting divisions, organized into one Army, the 5th, containing four divisions, and one Corps, the 3rd, with the remaining two; none were maintained at what the Soviets considered to be the top-level of readiness, although three of the 4 divisions in the 5th Army were maintained at very close to operational strength. In addition to these six divisions, there were three territorial defence regiments that could be used in a home-defence role, plus the border guards, which, as with other WarPac states, would have been called on to defend the homeland in time of war, and which were equipped with significant items of military hardware.

Budgetary constraints also limited the quality of equipment as much as numbers and training time. Unlike in Czechoslovakia and Poland, significant numbers of APCs were only introduced in the 70s, for example, which meant the Hungarian military was woefully ill-prepared to survive the nuclear-irradiated battlefield they expected to fight over.

The 1987 reorganization reduced the size of the Army slightly; by this date, the loyalty of the Hungarian military to the Soviets was very suspect; it was Hungary that precipitated the fall of the entire Soviet edifice, after all. After 1989, the military was drastically reduced in size.

The following items of equipment are (more or less) equivalents of Soviet equipment, and share the same game data:

FÚG is a 4x4 recon vehicle similar to the Soviet BRDM-1, and called the OT-65 in Czechoslovakia.

MRP-FÚG is an AGC variant of the FÚG.

MŰ-FUG is an engineer's recon variant of the FÚG.

VS-FÚG is an NBC recon variant of the FÚG.

The following less similar or less familiar items of equipment are briefly described:

PSzH is a 4x4 APC developed from the FÚG, equipped with a 14.5mm HMG, and having a rather limited troop capacity; it is also known as the D-944.

PSzH-F is a recon variant of the PSzH.

TS is an ultra-heavy pontoon bridging system introduced in 1972.

Thanks to "Hpass" for providing much useful information.

List notes (general):

In these lists engineering assets such as bridges and ferries refer to an entire section or platoons' worth of equipment, and *not* to single items. All tank and motor rifle regiments, if not already specified in the lists as having a normal section or platoon's worth, can be assumed to include a single real-life VLB and a single real-life ARV that may be modelled on table-top if desired.

NATO-style designations are given to aid the reader in italics, as in 1-9K32M (*SA-7b Grail*)/PSzH. Soviet designations are used for Soviet-produced weapons, with Hungarian designations only being used for Hungarian-originating items.

Items entirely in *italics* (typically FAO or engineering assets) do not add to or deduct from a battalion's morale.

Items in **grey** are not available when using Keith McNelly's Spearhead/Modern Spearhead scenario-generation system (available from <http://ww2spearhead.wordpress.com/scenario-generation-system/>).

Electronic warfare and similar assets (e.g. Ground Radar vehicles) have been omitted, since these are not separately modelled in MSH, but are subsumed into HQ stands. Likewise, MSH-irrelevant details such as radio-communication or ambulance companies are omitted (the recon elements of NBC units are listed, however, as these have an important function in-game as recon elements). Similarly, versions that refer to commander's vehicles only (such as ZPK-PSzH) are not mentioned in the lists, since they focus on the (usually majority) fighting vehicles included in each stand (thus an HQ stand that may consist in real life of one ZPK-PSzH, sundry motorcycles and jeeps for delivering messages, and a number of standard PSzH vehicles, will be simply listed as "HQ: 1-PSzH").

For simplicity, where dates refer to, e.g. "to 1987", and from 1987", these two dates do not overlap. Thus, unless otherwise stated, two items, one in the form of "to 1987" and the other in the form of "from 1987" cannot be both used. Dates in the form "1987?" means I am uncertain about the exact year, but it shouldn't be too far off. Dates in the form "198?" mean I have essentially no information on the date at all, and while the decade should hopefully be right, even that's not guaranteed!

Where entries refer to, e.g. "4-M-30 122 mmH/Tow or (from 1980) 2S1", this means replacement with 2S1 is optional from 1980; if the entry however reads "4-M-30 122 mmH/Tow (to 1981) or (from 1981) 2S1", then replacement is mandatory from 1981. Where entries refer to, e.g. "4-M-30 122 mmH/Tow or 2S1", this means either three of one or three of the other are allowed, but, unless indicated otherwise in the list notes, a mixture of one or two of each is *not* allowed.

Some platoons are given a strength of 2*. These represent 6 vehicles/weapons systems, and accordingly if just a single one is absent, the platoon should be represented by a single stand. Accordingly, such platoons may be chosen to be represented by a single stand, even when essentially "full strength" (note that some small weapons systems may be grouped in multiples before being counted as "a system". Thus two 9K32M (SA-7b Grail) teams counts as a single "system" for the purpose of these lists, so that a single element of AA: 1-9K32M (SA-7b Grail)/PSzH typically models three vehicles, each of which carries two 9K32M teams).

In all cases, the rules for Soviet-trained organizations apply (see page 68 of the rules).

See the separate data card for in-game statistics for vehicles and other stands.

Where I have been unable to find sufficient data to describe a formation, this is noted as "(data deficient)" under the formation's title.

List notes (specific items):

In these lists, "T-55" (and similarly for T-55A) can be taken to mean "T-54 and/or T-55", as by the date of these lists no worthwhile distinction remained between the two, the T-54s having been upgraded to T-55 standards. "T-55A" includes the so-called T-55B and T-55C minor variants.

T-34-85 may be upgraded with NBC protection (this was installed from the 1960s).

ZIS-2 stands have IR night vision (fitted during the mid-1960s).

Some AT "companies" are represented by two vehicles are in the form of, e.g.:

2-9K111 (AT-4 Spigot)/SPG-9 in PSzH; or

1-9K111 (AT-4 Spigot) in PSzH plus 1-SPG-9 in PSzH

This represents in the first case, two stands of mixed weapons, and in the second case, the same weapons separated out so they can be deployed separately. If an under-strength company is fielded, i.e. of a single stand only, it *must* be a mixed stand.

Organizational notes:

Although the Hungarians had independent tank battalions in the 1950s, I can find no evidence for these continuing into the 1970s; even in 1964, the Motor Rifle Divisions had only enough tanks (187) to equip 6 battalions: 3 in the tank regiment, and 1 in each infantry regiment, leaving none left over for an Independent Tank Battalion as used by most WarPac forces. The sole Independent Tank Regiment (the 31st) ceased to be independent in the 1960s when it was joined by other units to create the 11th Tank Division. Note that while units called the "5th Independent Tank Regiment", the "13th Tank Reconnaissance Battalion", the "38th Tank Reconnaissance Battalion", etc. still existed, these were actually the names of the army's tactical ballistic missile formations, with names altered to disguise their true nature. A lesser degree of deception existed with some of the anti-aircraft units, which were described as "anti-aircraft artillery" units, even after they had been reequipped with missiles. Accordingly, the unit designations "missile" and "artillery" are omitted for AA units in these lists.

Points that need further research

120 mmM organization - essentially completely unknown at the moment.

Regimental-level artillery - related to the above; again organizational details essentially unknown.

Regimental AT: one source says D-44N was introduced to regiments in early 80s, in which case what is in the divisional AT? More Saggars?

Engineering units: both battalions and companies.

Divisional HQ composition. ZU-2 (fixed!)

Hungary Motor Rifle Division 1968 - 1987 *Morale: see notes*

Division Headquarters: (see note 1, 14, 15, 23)

Headquarters Company:

HQ: 1-HQ Stand in Truck or BTR-50 or (from 1970) PSzH

NBC Recon: 1-VS-FÜG (see note 20)

Security: 1-Infantry Combat Team in BTR-40 (to 1970?) or BTR-152 (to 197?) or (from 1970) PSzH

1-Motorcycle Infantry (to ?)

AA: 1-ZU-2/Truck or (from 1978) 9P58M (SA-7b Grail)/PSzH or (from 1984?) 9K310 (SA-16 Gimlet) or (from 1986) 9K38 Iгла (SA-18 Grouse)/PSzH

1-AGC in MRP-FÜG

1-Tank Regiment, with: (see note 22)

Regimental Headquarters Company:

HQ: 1-T-55A or HQ Stand in BTR-50 or (from 1970) PSzH

NBC Recon: 1-VS-FÜG

1-Recon Company:

1-FÜG or (from 1970) PSzH-F

1-Motorcycle Infantry (to 1976) or (from 1970) PSzH-F

1-PT-76B or (from 1980) BMP-1

1-Infantry Company: (see note 3)

2-Infantry Stand in Truck (to 197?), or

2-Infantry Combat Team in BTR-152 (to 197?) or (from 197?) PSzH

1-Engineer Company: (data deficient)

1-Engineer Stand in BTR-50 or Truck

1-MTU-55 AVLB or TMM VLB or similar

1-BTS ARV or similar

1-DOK Entrenching vehicle or similar

9-Mineplow/roller sets

1-Anti-Aircraft Company:

1-ZU-2/Truck (to 1980?) or (from 1975) 9K31M Strela-1M (SA-9b)

1-ZSU-57-2 (4th, 7th, 15 Div.) or ZSU-23-4 (8, 9th Div.)

1-Artillery Battalion, with: (see note 2)

1-FAO

4-M-30 122 mmH/Tow or (from 1980) 2S1

3-Tank Battalions, each with: (see note 21)

Battalion Headquarters:

HQ: 1-T-55A

3-Tank Companies, each with:

2-T-55A

2- or 3-Motor Rifle Regiments, each with: (see note 4)

Regimental Headquarters Company:

HQ: 1-HQ Stand in BTR-50 or (from 1970) PSzH

NBC Recon: 1-VS-FÜG

1-Recon Company:

1-FÜG or (from 1970) PSzH-F

1-Motorcycle Infantry (to 1976) or (from 1970) PSzH-F

1-PT-76B or (from 1980) BMP-1

1-Engineer Company: (data deficient)

1-Engineer Stand in BTR-50 or Truck

1-MTU-55 AVLB or TMM VLB or similar

1-BTS ARV or similar

1-DOK Entrenching vehicle or similar

3-Mineplow/roller sets

1-Anti-Aircraft Battery:

1-ZU-2/Truck (to 1980?) or (from 1975) 9K31M Strela-1M (SA-9b)

1-ZU-2/Truck or (from 1974) ZU-23-2/Truck (see note 19)

1-Heavy Mortar Battery:

3-PM38 120 mmM/Truck

1-Artillery Battery: (from 1980 (8th, 9th Div.) or 1983 (4th, 7th Div.)

1-FAO

3-M-30 122 mmH/Tow

1-ATGW Battery: (see note 11)

2*-2P27 (to 197?) or (from 1975) 9P133

1-AT Company: (see note 5)

2-or 3-ZiS-2/Tow (to 1984?); or

2-9M14P (AT-3c Sagger)/SPG-9 in PSzH (from 1976); or

1-9M14P (AT-3c Sagger) in PSzH plus 1-SPG-9 in PSzH (from 1976); or

2-9K111 (AT-4 Spigot)/SPG-9 in PSzH (from 1978); or

1-9K111 (AT-4 Spigot) in PSzH plus 1-SPG-9 in PSzH (from 1978)

1-Tank Battalion, with: (see note 16)

Battalion Headquarters:

HQ: 1-T-55A

3-Tank Companies, each with:

2-T-55A

3-Motor Rifle Battalions, each with: (see note 18)

Battalion Headquarters:

HQ: 1-HQ Stand in Truck (to 1975) or (from 1972) PSzH

AA: 1-ZU-2/Truck or (from 1978) 9P58M (SA-7b Grail)/PSzH or (from 1984?) 9K310 (SA-16 Gimlet) or (from 1986) 9K38 Iгла (SA-18 Grouse)/PSzH

3-Motor Rifle Companies, each with:

2-Infantry in Truck (to 1975) or (from 1972) PSzH Infantry Combat Teams

1-Mortar Battery:

2*-BM37 82 mmM in Truck or (from 1972) PSzH

Division Assets:

1-Independent Rocket Battalion, with:

1-9K52 Luna-M (FROG-7) (see note 6)

1-Recon Battalion with:

Battalion Headquarters:

HQ: 1-BRDM-1 (to 1976) or FÜG or (from 1970 to 1984?) PSzH-F or (from 1984?) BRM-1

1-Recon Company: (see note 7)

3-BRDM-1 (to 1976) or FÜG (to 1976) or (from 1970 to 1980) PSzH-F or (from 1980) BMP-1

1-Recon Company:

3-PT-76B (to 1976) or (from 1970 to 1980) PSzH-F or (from 1980) BMP-1

1-Deep Recon Company: (see note 8)

2-MÜ-FUG

1-Engineer Battalion with: (Data deficient)

Battalion Headquarters Company:

HQ: 1-HQ Engineer Stand in SKOT

Recon: 1-MÜ-FUG

1-Sapper Company:

2-Engineer Stands in BTR-50 or Truck

1-Routing Company:

2-MTU-55 AVLB or similar

1-Technical Company:

1-TMK-2 Entrenching Vehicle or similar

1-BAT or DOK Entrenching Vehicle or similar

1-BTS ARV or similar

1-Pontoon Company:

9-NPO-59M (to 197?) or PMP Ribbon Bridge Section on Truck

3-BMK or BMK-90 Boat/Truck

1-Assault Company:

4?-BAV-485 (to 197?) or PTS-M Light Ferry

1-GSP Heavy Ferry

4-Assault Raft in Truck

1-Anti-Tank Battalion, with: (see note 13)

HQ: 1-HQ stand in Truck
4-D-44N 85 mm ATG/Tow (to 1986?) or (from 1984?) MT-12 100 mm ATG/Tow

1-Anti-Aircraft Regiment, with: (see note 9)
4-S-60 57 mm/Tow (4, 7th, 15 Divisions)
2-ZU-2/Tow or S-60/Tow (4, 7th, 15 Divisions)
4-S-60 57 mm/Tow (8th Division to 1978, 9th Division to 1981)
2-ZU-2/Tow or S-60/Tow (8th Division to 1978, 9th Division to 1981)
3-2K12M Kub (*SA-6 Gainful*) (8th Division from 1978, 9th Division from 1981)

1-Artillery Regiment, with: (see note 10 for the 15th Division)
1-Artillery Battalion: (to 1980 (8th, 9th Div.) or to 1983 (4th, 7th Div.)
1-FAO
4-M-30 122 mmH/Tow
1-Artillery Battalion: (see note 17)
1-FAO
4-M-30 122 mmH/Tow (to 1983) or (from 1980) D-20 152 mmH/Tow
1-Artillery Battalion:
1-FAO
3-ZiS-3 76mmG/Tow (to 1975)
3- or 4-ZiS-3 76mmG/Tow or D-20 152 mmH/Tow (from 1975 to 1979) (see note 12)
4-D-20 152 mmH/Tow (from 1979)
1-Rocket Battalion: (8th, 9th Divisions only)
1-FAO
4-BM-21

Notes:

1. This list covers the five Motor Rifle Divisions of the Hungarian People's Army from 1969 until 1987, when the Ground Forces were reorganized (and downsized) from a structure based on Divisions to one based on Brigades. The five Motor Rifle Divisions were numbered the 4th, 7th, 8th, 9th, and 15th. Of these, the 8th and 9th are graded as Regular morale as they were always maintained at a reasonable level or preparedness, and were not missing many personnel during peacetime; the 8th was the best regarded. The 4th, 7th, and the 15th were kept in a lesser state of preparedness: the 4th and 7th are counted as 2/3 Regular and 1/3 Green, and the 15th as 1/3 Regular and 2/3 Green, as it was even worse off than the others in terms of numbers of men maintained in active service. The 4th and 15th MRDs together constituted the 3rd Corps, while the 7th, 8th and 9th MRDs, together with the 11th Tank Division, formed the heart of the 5th Army.

2. It is not clear if the Tank Regiment had an artillery battalion at the start of this list, or if it was only introduced later.

3. It is not clear what organic infantry the Tank Regiments had at the start of the list.

4. The 4th and 15th Divisions only have 2 Motor Rifle Regiments, not 3.

5. Regimental AT "companies" represent an amalgamation of battalion-level AT-squads that are too few in number to be depicted at battalion level. The elements may be attached to different battalions. It is possible the 1960s AT organization may still have been in place until 1976, in which case the regimental AT "company" maybe replaced with the following in each Motor Rifle Battalion HQ:
AT: 2-ZiS-2/Tow (until 1976).

6. The 4th, 7th and 15th Divisions were originally equipped with 2K6 Luna (*FROG-3/5*) instead of 9K52 Luna-M (*FROG-7*). The 7th had already converted by 1980, but the 4th and 15th only converted sometime between 1980 and 1987.

7. This company may instead be fielded as 2-Infantry stands, if transported by Mi-8 helicopter.

8. A Recon Battalion's Deep Recon Company may alternatively be fielded as a single Engineer Stand transported by Mi-8 helicopter (drawn from higher-level assets).

9. For the purposes of attachment (Section 2.3.3 of the rules, 2nd paragraph, page 3) each element or pair of elements of the Anti-Aircraft Regiment may count as a company.

10. The 15th Division had no Artillery Regiment.

11. One division fielded the unarmoured 2P26 in place of the armoured 2P27 ATGW (AT-1 *Snapper*) vehicle, but I have not been able to determine which division.

12. The 152 mm howitzers were not all introduced at once. Starting from 1975, a single stand of D-20 howitzers may be added to the 3 stands of ZiS-3 guns (8th, 9th Divisions; from 1976? for the 4th and 7th Divisions). Thereafter, D-20 stands may replace ZiS-3 stands on a 1 for 1 basis (it is permissible to field only of ZiS-3 or the D-20 portion of such a mixed battalion, representing only some of the batteries of the battalion being operational).

13. The 15th Division appears to have lost its Antitank Battalion at some stage between 1964 and 1980; when is obscure, but quite possibly before the start of this list. The 4th Division retains D-44N and does not replace them with MT-12.

14. Infantry stands have RPG-7 by default. From 1984, those of the 8th and 9th Divisions may be equipped with 9M115 Metis (*AT-7 Saxhorn*); battalions may mix stands equipped with RPG-7 with those equipped with AT-7.

15. T-55 may substitute for any T-55A to 1972 for the 8th and 9th Divisions; until 1980? for the 4th and 7th Divisions, and at any time for the 15th Division. T-55AM may substitute for any T-55A in 1987 in the 8th and 9th Divisions.

16. T-34-85 may substitute for T-55/T-55A in infantry regiment tank battalions to 1970 for the 9th Division, to 1972? for the 7th Division; to 1976? for the 4th Division, and at any time for the 15th Division (the 15th *must* use T-34s to 1980). Officially, all the T-34-85s had been withdrawn by the mid-80s, but the last block of 72 of these were not actually scrapped until 1992, so they could have presumably been used in emergency.

17. The replacement of M-30 with D-20 in this battalion occurred in 1980 for the 8th and 9th Divisions and 1983 for the 4th and 7th Divisions.

18. The 8th Division may replace PSzH in Infantry Battalions with BTR-80 from 1986 (up to an entire Regiment's worth). The 8th and 9th Divisions may replace PSzH in other Infantry Battalions with BMP-1, starting from 1980; by 1987, approximately two Regiments' worth of vehicles had been replaced between the two Divisions (one which was not the 22nd MRR, however). The 15th Division may use truck-borne infantry at any date. Trucks were either Csepel D344 or Robur Lo1800.

19. ZU-23-2 may not be used by the 4th and 15th Divisions before 1981?

20. This represents a single platoon from the Division's NBC company. However, since the NBC companies are sometimes called NBC Recon Companies, they may have had more recon assets than a single stand's worth.

21. The 94-tank regimental structure was first introduced from 1964, but took some time to implement. At least one regiment

23. Unit designations are as follows (entries separated by "/" indicate to- and from- the mid-70s, respectively):

Division	MR Regt.	Tank Regt.	AA Regt.	AT Batt.	Art. Regt.	SSM Batt.	Recon. Batt.	Eng. Batt.	NBC Comp.
8th	15/14th, 33rd, 63rd	8th	14th/18th	93rd	20th	38th	42nd	36th	73rd
9th	22nd, 26th, 108th	69th	18th/15th	27th	101st	13th	54th	76th	79th
7th	14/15th, 53rd, 62nd	24th	102nd	21st	10th	28th	113rd	?	75th
4th	5th, 93rd	35th	6th	12th	50th	92nd	?	?	72nd
15th	48th, 65th	44th	87th	-	-	94th	67th	?	?

still had the older 67-tank regimental structure in 1967, and this may have persisted until 1970. However, since a 22-tank battalion of 3 companies with 7 tanks each is still modelled with 7 stands in MSH, this makes no difference to the TOE given above.

22. T-34-85 may substitute for T-55/T-55A in the tank regiment to 197? for the 4th Division, and to 1980? for the 15th Division.

Hungary 11th Tank Division 1968 - 1987 *Morale: Regular*

Division Headquarters: (see note 1)

Headquarters Company:

HQ: 1-HQ Stand in Truck or BTR-50 or (from 1970) PSzH

NBC Recon: 1-VS-FÚG

Security: 1-Infantry Combat Team in BTR-40 (to ?) or BTR-152 (to ?) or (from 1970) PSzH

1-Motorcycle Infantry (to ?)

AA: 1-ZU-2/Truck or (from 1978) 9P58M (SA-7b *Grail*)/PSzH or (from 1984) 9K310 (SA-16 *Gimlet*) or (from 1986) 9K38 Iгла (SA-18 *Grouse*)/PSzH

1-AGC in MRP-FÚG

3-Tank Regiments (25th, 31st, 145th), each with: (see note 9)

Regimental Headquarters Company:

HQ: 1-T-55 (to 197?) or T-55A or HQ Stand in BTR-50 or (from 1970) PSzH or (from 1984?) BRM-1

NBC Recon: 1-VS-FÚG

1-Recon Company:

1-FÚG or (from 1970) PSzH-F

1-Motorcycle Infantry (to 1976) or (from 1970) PSzH-F

1-PT-76B or (from 1980) BMP-1

1-Infantry Company: (see note 2)

2-Infantry Stand in Truck (to 1973?), or

2-Infantry Combat Team in BTR-152 (to 1973?) or (from 1972? to 198?) PSzH or (from 1980) BMP-1

1-Engineer Company: (data deficient)

1-Engineer Stand in BTR-50 or Truck

1-MTU-55 AVLB or TMM VLB or similar

1-BTS ARV or similar

1-DOK Entrenching vehicle or similar

9-Mineplow/roller sets

1-Anti-Aircraft Company: (see note 7)

1-ZSU-57/2 (to 1975?) or (from 1975?) 9K31M Strela-1M (SA-9b)

1-ZSU-23/4

1-Artillery Battalion, with: (see note 8)

1-FAO

4-M-30 122 mmH/Tow (to 1984?) or (from 1980) 2S1

3-Tank Battalions, each with:

Battalion Headquarters:

HQ: 1-T-55 (to 197?) or T-55A

3-Tank Companies, each with:

2-T-55 (to 197?) or T-55A

1-Motor Rifle Regiment (6th), with: (see note 2)

Regimental Headquarters Company:

HQ: 1-HQ Stand in BTR-50 or (from 1970) PSzH or (from 1984?)

BRM-1

NBC Recon: 1-VS-FÚG

1-Recon Company:

1-FÚG or (from 1970) PSzH-F

1-Motorcycle Infantry (to 1976) or (from 1970) PSzH-F

1-PT-76B or (from 1980) BMP-1

1-Engineer Company: (data deficient)

1-Engineer Stand in BTR-50 or Truck

1-MTU-55 AVLB or TMM VLB or similar

1-BTS ARV or similar

1-DOK Entrenching vehicle or similar

3-Mineplow/roller sets

1-Anti-Aircraft Battery:

1-ZU-2/Truck (to 1975?) or (from 1975?) 9K31M Strela-1M (SA-9b)

1-ZU-2/Truck (to 1975?) or (from 1975?) ZU-23-2/Truck or ZSU-57/2

1-Artillery Battery: (from 1980)

1-FAO

3-M-30 122 mmH/Tow

1-Heavy Mortar Battery:

3-PM38 120 mmM/Truck

1-ATGW Battery: (see note 6)

2*-2P26 (to 1976) or 2P27 (to 1976) or (from 1975) 9P133

1-AT Company: (see note 3)

2-or 3-ZiS-2/Tow (to 1984); or

2-9M14P (AT-3c *Sagger*)/SPG-9 in PSzH (from 1976); or

1-9M14P (AT-3c *Sagger*) in PSzH plus 1-SPG-9 in PSzH (from 1976); or

2-9K111 (AT-4 *Spigot*)/SPG-9 in PSzH (from 1978); or

1-9K111 (AT-4 *Spigot*) in PSzH plus 1-SPG-9 in PSzH (from 1978)

1-Tank Battalion, with:

Battalion Headquarters:

HQ: 1-T-55 (to 197?) or T-55A

3-Tank Companies, each with:

2-T-55 (to 197?) or T-55A

3-Motor Rifle Battalions, each with: (see note 10)

Battalion Headquarters:

HQ: 1-HQ Stand in Truck or BTR-40 (to 197?) or (from 1970) PSzH
AA: 1-ZU-2/Truck or (from 1978) 9P58M (SA-7b Grail)/PSzH or
(from 1984) 9K310 (SA-16 Gimlet) or (from 1986) 9K38 Iglá (SA-18
Grouse)/PSzH

3-Motor Rifle Companies, each with:

2-Infantry in Truck (to 1973?) or BTR-40 (to 197?), or (from 1972)
PSzH Infantry Combat Teams

1-Mortar Battery:

2*-BM37 82 mmM in Truck or BTR-40 (to 197?) or (from 1970)
PSzH

Division Assets:

1-Independent Rocket Battalion (31st), with:

1-9K52 Luna-M (FROG-7)

1-Recon Battalion (24th), with:

Battalion Headquarters:

HQ: 1-BRDM-1 (to 1976) or FÚG or (from 1970 to 1984?) PSzH-F
or (from 1984?) BRM-1

1-Recon Company: (see note 12)

3-BRDM-1 (to 1976) or FÚG (to 1976) or (from 1970 to 1980) PSzH-F
or (from 1980) BMP-1

1-Recon Company:

3-PT-76B (to 1976) or (from 1970 to 1980) PSzH-F or (from 1980)
BMP-1

1-Deep Recon Company: (see note 4)

2-MÜ-FUG

1-Engineer Battalion with: (*Data deficient*)

Battalion Headquarters Company:

HQ: 1-HQ Engineer Stand in SKOT

Recon: 1-MÜ-FUG

1-Sapper Company:

2-Engineer Stands in BTR-50 or Truck

1-Routing Company:

2-MTU-55 AVLB or similar

1-Technical Company:

1-TMK-2 Entrenching Vehicle or similar

1-BAT or DOK Entrenching Vehicle or similar

1-BTS ARV or similar

1-Pontoon Company:

9-NPO-59M (to 197?) or PMP Ribbon Bridge Section on Truck

3-BMK or BMK-90 Boat/Truck

1-Assault Company:

4?-BAV-485 (to 197?) or PTS-M Light Ferry

1-GSP Heavy Ferry

4-Assault Raft in Truck

1-Anti-Aircraft Regiment (15th to 1976, 14th from 1976), with:
(see note 5)

4-S-60 57 mm/Tow (to 1977)

2-ZU-2/Tow or S-60/Tow (to 1977)

3-2K12M Kub (SA-6 Gainful) (from 1977)

1-Artillery Regiment (22nd), with:

1-Artillery Battalion: (to 1980)

1-FAO

4-M-30 122 mmH/Tow

1-Artillery Battalion:

1-FAO

4-M-30 122 mmH/Tow (to 1980?) or (from 1980?) D-20 152
mmH/Tow

1-Artillery Battalion:

1-FAO

3-ZiS-3 76mmG/Tow (to 1979) or D-20 152 mmH/Tow (from 1976)
(may be mixed) (see note 11)

1-D-20 152 mmH/Tow (from 1979)

Notes:

1. This list covers the sole Tank Division (the 11th) of the Hungarian People's Army from 1969 until 1987, when the Ground Forces were reorganized from an Army + Divisions structure into one of Corps + Brigades. The Division is graded as Regular morale as it was always maintained at a reasonable level or preparedness, and was not missing many personnel during peacetime. It, together with the 7th, 8th and 9th Motor Rifle Divisions, formed the 5th Army.

2. Infantry stands have RPG-7 by default. From 1984, they may be equipped with 9M115 Metis (AT-7 Saxhorn); battalions may mix stands equipped with RPG-7 with those equipped with Metis.

3. Regimental AT "companies" represent an amalgamation of battalion-level AT-squads that are too few in number to be depicted at battalion level. The elements may be attached to different battalions. It is possible the 1960s AT organization may still have been in place until 1976, in which case the regimental AT "company" is deleted and the following as added to each Motor Rifle Battalion HQ:

AT: 2-ZiS-2/Tow (until 1976).

4. The Recon Battalion's Deep Recon Company may alternatively be fielded as a single Engineer Stand transported by Mi-8 helicopter (drawn from higher-level assets).

5. For the purposes of attachment (Section 2.3.3 of the rules, 2nd paragraph, page 3) each element or pair of elements of the Anti-Aircraft Regiment may count as a company.

6. One division fielded the unarmoured 2P26 in place of the armoured 2P27 ATGW (AT-1 Snapper) vehicle prior to replacement with Sagger-equipped vehicles, but I have not been able to determine which division; it may have been the 11th.

7. From 1986, a single stand of 9K31M Strela-1M (SA-9b) may be replaced with 1-9K35M Strela-10M2 (SA-13 Gopher).

8. Not all artillery battalions in the regiment appeared to have received 2S1 at the same time, hence the date range here. It is also not clear if the Tank Regiments had already gained their artillery battalions by the start of this list, or if they were only introduced later.

9. From 1978, two tank companies (i.e. 4 stands) in a single battalion from one tank regiment may be equipped with T-72 instead of T-55A. From 1982 T-72M may replace T-55A: up to 1 battalion from 1982 to 1984; up to 2 battalions from 1984 to 1986; up to one regiment from 1986.

10. BMP-1 may replace PSzH in Infantry Battalions starting from 1980; all must be replaced by 1987.

11. The 152 mm howitzers were not all introduced at once. Starting from 1976, D-20 howitzers may replace one more of the ZiS-3 stands (it is permissible to field only the ZiS-3 or the D-20 portion of such a mixed battalion, representing only some of the batteries of the battalion being operational).

12. This company may instead be fielded 2-Infantry stands, if transported by Mi-8 helicopter (drawn from higher level assets).

Hungary National Assets 1969-89 *Morale: Regular (unless otherwise specified)*

1-Army (5th) See separate TOE on page 9

1-Corps (3rd) See separate TOE on pages 8, 10

1-Air Defence Army (1st), with: (see note 1)

4-MiG-15bis (to 1975)

3-MiG-21MF (from 1971)

4-MiG-21MF (from 1973)

4-MiG-21MF (from 1974)

1-Su-22M3 (from 1984)

1-Su-22M3 (from 1985)

1-Su-22M3 (from 1986)

1-Air Defence Regiment (11th), with: (see note 2)

3-Batteries (1st, 7th, 8th), each with:

2*-S-75M Volkhov (SA-2c Guideline) (from 1978)

1-Battery (2nd) with:

2*-S-75 Dvina (SA-2 Guideline) (to 1981) or S-75M Volkhov (SA-2c Guideline) (from 1981)

1-Battery (3rd) with:

2*-S-75 Dvina (SA-2 Guideline) (to 1978) or S-75M Volkhov (SA-2c Guideline) (from 1978)

1-Battery (4th) with:

2*-S-75 Dvina (SA-2 Guideline) (to 1980) or S-75M Volkhov (SA-2c Guideline) (from 1980)

2-Batteries (5th, 6th), each with:

2*-S-75 Dvina (SA-2 Guideline) (to 1978)

2-Batteries (10th, 12th), each with:

2*-S-175M Neva (SA-3 Goa) (from 1977)

4-Batteries (9th, 11th, 13th, 14th), each with:

2*-S-175M Neva (SA-3 Goa) (from 1978)

1-Air Defence Regiment (104th), with:

1-Battery (1st), with:

2*-S-75M Volkhov (SA-2c Guideline) (from 1978)

3-Batteries (2nd, 3rd, 4th), each with:

2*-S-75 Dvina (SA-2 Guideline) (to 1978) or

2*-S-75M Volkhov (SA-2c Guideline) (from 1978)

1-Battery (5th) with:

2*-S-75 Dvina (SA-2 Guideline) (to 1978)

1-Battery (6th) with:

2*-S-75 Dvina (SA-2 Guideline) (to 1977)

1-Air Defence Regiment (105th), with:

3-Batteries (2nd, 3rd, 5th) with:

2*-S-75 Dvina (SA-2 Guideline)

1-Battery (4th) with:

2*-S-75 Dvina (SA-2 Guideline) (to 1977)

1-Reserve Air Defence Regiment (107th), with: (to ?)

6-KS-19 100 mm AAA/Tow

1-Rocket Brigade (5th), with: (see note 3)

2-R-170 (Scud-A) (to 1974) or (from 1970) 9K72 (Scud-B) (may be mixed)

1-Helicopter Regiment (87th), with: (see notes 4, 5, 8)

10-Mi-1 (Hare) (to 1971)

4-Mi-8 (Hip)

4-Mi-8 (Hip) (from 1971 to 1984)

1-Mi-24D (Hind-D) (from 1978)

1-Mi-24D (Hind-D) (from 1979)

5-Mi-24D (Hind-D) (from 1980)

3-Mi-24V (Hind-E) (from 1985)

1-Light Helicopter Section (88th), with: (see notes 5, 6, 8)

6-Ka-26 (Hoodlum) (from 1971)

10-Mi-1 (Hare) (from 1971 to 1982)

3-Mi-2 (Hoplite) (from 1982)

6-Mi-2 (Hoplite) (from 1985)

1-Transport Squadron (89th) with: (see note 8)

1-II-14 (Crate) (to 1976)

4-An-2 (Colt) (see note 9)

2-Ka-26 (Hoodlum) (from 1970 to 1971) (see note 5)

4-Mi-8 (Hip) (from 1970?) (see note 4)

1-An-24 (Coke) (from 1974)

2-An-26 (Curl) (from 197?)

4-Mi-8 (Hip) (from 1984) (see note 4)

1-Independent Reconnaissance Battalion (34th) with:

(see note 10)

1-Pontoon Regiment (37th), with:

(data deficient, but TS pontoon bridge system available from 1972)

3-Pontoon Battalions (145th, 146th, 147th), each with:

(data deficient, but TS pontoon bridge system available from 1972)

1-Naval Defence Brigade (46th), with

(data deficient, but some vessels equipped with quad-20mm AA from 1980)

Various support units (see note 7)

Notes:

1. Most fighters, even if ground-attack capable, serving in the 31st, 47th and 59th Fighter Regiments of the 1st Air Defence Army are not covered; it being assumed they will be too busy serving as fighters to be pressed into an ad hoc ground attack role. An exception is made for the MiG-21MF variant, which was more likely to be assigned a ground-attack role, and the few remaining MiG-15s, which were of little use as fighters by this date. The various ground-based AA units are listed separately. The Hungarian military could also expect air-ground support from elements of the Soviet Southern Group of Forces, specifically from the following assets of the 36th Air Army:

1-Guards Fighter-Bomber Aviation Regiment (1st), with:

12-Su-7BM (Fitter-A) (to 1976) or Su-17M2 (Fitter-D) (from 1976 to 1989) or (from 1989) MiG-27D/M (Flogger-J)

1-Guards Reconnaissance Aviation Regiment (328th), with:

4-Su-17M4R (Fitter-K) (from 1984)

1-Guards Bomber Aviation Regiment (727th), with:

8-Yak-28 (Brewer-C?) (to 1982) or Su-24M (Fencer-D) (from 1982)

1-Fighter-Bomber Aviation Regiment (88th), with: (from 1987)

12-MiG-27D (Flogger-J)

These Soviet aircraft may not be called in by a Hungarian AGC element, however. MiG-27D may be armed with nuclear gravity bombs. Other formations of the Soviet Southern Group of Forces were:

- 13th Guards Tank Division (T-64, BMP)
- 19th Guards Tank Division (T-72, BMP)
- 93rd Guards Motor Rifle Division (BTR, T-64, BMP)
- 254th Motor Rifle Division (BTR, T-64, BMP)

(equipment during 80s in parentheses).

2. The 1st and 2nd Batteries were reequipped with S-200V Vega (SA-5b Gammon) from 1985.

3. Until 1987, the 5th Rocket Brigade was actually called the 5th Independent Tank Brigade to disguise its true nature.

4. Any Mi-8 helicopters may be armed (as Mi-8VT).

5. Mi-1, Mi-2, and Ka-26 helicopter stands may be attached out to fighting battalions (see section 11.2 of the rules, last paragraph, page 28), either acting as recon elements, or transporting FAOs (note that armament on an Mi-2URP (see note 6) is not useable under the rules when acting as an FAO element).

6. Any Mi-2 helicopters may be armed (as Mi-2URP) from 1986.

7. Including dozens of different Engineering Battalions of various guises; 2 EW battalions; various Signals Battalions, etc.

8. The Helicopter-equipped units underwent some splits and amalgamations with associated name and number changes not recorded here.

9. Many more An-2s were operated by the Hungarian military than indicated here; only those that were used for parachute drops are listed.

10. The 34th Recon Battalion may be fielded as if it were a normal Recon Battalion (see 24th Recon Battalion; 11th Tank Division), or as a parachute battalion, in which case it may be represented as a normal Motor Rifle Battalion (less vehicles), and transported by Mi-8 helicopters. Single companies may be drawn from it in either case, in which case they count as attached Divisional Recon companies (see section 4.1 of the rules, pages 8/9). This unit took the role of something akin to a special forces unit in the Hungarian army.

Hungary 3rd Corps 1969-87 *Morale: 2/3 Regular, 1/3 Green (unless otherwise specified)*

2-Motor Rifle Divisions (4th, 15th) See separate TOE on page 3 (see note 1)

2-Anti-Aircraft Regiments (5th, 9th), each with:

6-S-60/Tow

Various support units

Notes:

1. The 15th Motor Rifle Division is graded 1/3 Regular and 2/3 Green. At this date the 3rd Corps was essentially a reserve formation, and would have served mostly as a home defence force in time of war, while the 5th Army conducted offensive operations. See page 10 for the post-1987-reorganization organization.

Hungary 5th Army 1969-89 *Morale: Regular (unless otherwise specified)*

1-Tank Division (11th) (to 1987) See separate TOE on page 5

3-Motor Rifle Divisions (to 1987) See separate TOE on page 3

3-Corps (from 1987) See separate TOE on page 10

1-Independent Tank Brigade (145th) (from 1987) (see note 6)

1-Antitank Regiment (36th), with:

3-Antitank Battalions, each with:

4-D-44N 85 mm ATG/Tow (to 198?) or MT-12 100 mm ATG/Tow (from 198? to 1986)

2*- MT-12 100 mm ATG/Tow (from 1986)

2-9P148 (from 1986)

1-Artillery Brigade (44th), with: (to 1987)

1-Battalion (27th), with:

1-FAO

4-D-1 (to 1980?) or (from 1975?) D-20 152 mmH/Tow

1-Battalion (32nd), with:

1-FAO

3-A-19 122 mmG/Tow (to 1980?) or

4-D-20 152 mmH/Tow (from 1980?)

1-Battalion (43rd), with:

1-FAO

4-D-1 (to 1984?) or (from 1980?) 2S3 (see note 2)

1-Battalion (89th), with:

1-FAO

3-A-19 122 mmG/Tow (to 1975?) or

4-D-20 152 mmH/Tow (from 1975?)

1-Battalion (90th), with: (from 1971)

1-FAO

4-BM-21

1-Artillery Brigade (10th), with: (from 1987)

4-Battalions, each with:

1-FAO

4-D-20 152 mmH/Tow

1-Battalion, with:

1-FAO

4-2S3

1-Battalion, with:

1-FAO

4-M-30 122 mmH/Tow

1-Anti-Aircraft Artillery Brigade (5th), with: (from 1987)

4-Battalions, each with:

6-S-60/Tow

1-Anti-Aircraft Regiment (8th), with: (to 1987)

4-S-60/Tow

2-ZU-2/Tow or S-60/Tow

1-Anti-Aircraft Regiment (7th), with:

4- (to 1975) or 3-(from 1975 to 1978) S-60/Tow

2-ZU-2/Tow or S-60/Tow (to 1978)

3- (from 1975 to 1978) or 6- (from 1978 to 1981) 2K12M Kub (SA-6 *Gainful*)

4-2K11 Krug (SA-4 *Ganef*) (from 1981)

1-NBC Defence Regiment (38th to 1973, 93rd from 1973) with:

(data deficient)

1-NBC Defence Battalion (9th) with:

(data deficient)

1-NBC Recon Company (5th) with: (to 1973)

(data deficient)

1-Amphibious Assault Battalion (5th) with:

(data deficient, but PTS-M and GSP-55 available)

1-Assault Crossing Battalion (97th) with:

(data deficient, but PTS-M and GSP-55 available)

1-Independent Reconnaissance Battalions (74th) with:

Battalion Headquarters: (see note 4)

HQ: 1-BRDM-1 (to 1976) or FÚG or (from 1970 to 1984?) PSzH-F or (from 1984?) BRM-1

1-Recon Company: (see note 5)

3-BRDM-1 (to 1976) or FÚG (to 1976) or (from 1970 to 1980) PSzH-F or (from 1980) BMP-1

1-Recon Company:

3-PT-76B (to 1976) or (from 1970 to 1980) PSzH-F or (from 1980) BMP-1

1-Deep Recon Company: (see note 3)

2-MÜ-FUG

Various support units

Notes:

1. Some assets that were officially part of the 5th Army post 1987 have instead been listed under "National Assets" on page 6.

2. In the 43rd Battalion, 1 stand of D-1 towed howitzers is replaced with 2S3 from 1980, increasing to full replacement by 1984.

3. The Deep Recon Company may alternatively be fielded as a single Engineer Stand transported by Mi-8 helicopter (drawn from higher-level assets).

4. Single companies may be drawn from the 74th Recon Battalion, in which case they count as attached Divisional Recon companies (see section 4.1 of the rules, pages 8/9).

5. This company may instead be fielded 2-Infantry stands, if transported by Mi-8 helicopter (drawn from higher-level assets).

6. The 145th Tank Brigade is organized as per a standard Corps-level Tank Brigade. See page 10 for details; it is rated as Regular morale.



Hungary 1st, 2nd and 3rd Corps 1987 - 1989 *Morale: see notes*

Corps Headquarters: (see notes 1, 14)

(data deficient, but possibly):

HQ: 1-HQ Stand in PSzH

NBC Recon: 1-VS-FÚG

Security: 1-PSzH Infantry Combat Team

AA: 1-9K310 (SA-16 *Gimlet*) or 9K38 Iгла (SA-18 *Grouse*)/PSzH

1-AGC in MRP-FÚG

1-Tank Brigade, with: (see note 2)

Brigade Headquarters Company:

HQ: 1-T-55A

NBC Recon: 1-VS-FÚG

1-Recon Company:

1-FÚG or PSzH-F

1-PSzH-F

1-BMP-1

1-Engineer Company: *(data deficient)*

1-Engineer Stand in BTR-50 or Truck

1-MTU-55 AVLB or TMM VLB or similar

1-BTS ARV or similar

1-DOK Entrenching vehicle or similar

12-Mineplow/roller sets

1-Anti-Aircraft Battery:

1-ZSU-23-4

4-Tank Battalions, each with:

Battalion Headquarters:

HQ: 1-T-55A

3-Tank Companies, each with:

2-T-55A

1-Artillery Battalion, with:

1-FAO

4-2S1

1-Infantry Battalion, with: (see note 3)

Battalion Headquarters:

HQ: 1-HQ Stand in PSzH

AA: 1-9P58M (SA-7b *Grail*)/PSzH

1-Mortar Battery:

2*-BM37 82 mmM in PSzH

1-AT Battery:

2-9K111 (AT-4 *Spigot*)/SPG-9 in PSzH; or

1-9K111 (AT-4 *Spigot*) in PSzH plus 1-SPG-9 in PSzH (from 1978)

4-Motor Rifle Companies, each with:

2-PSzH Infantry Combat Team

1-Mechanized Rifle Brigade, with: (see note 4)

Brigade Headquarters Company:

HQ: 1-T-55A

NBC Recon: 1-VS-FÚG

1-Recon Company:

1-FÚG or PSzH-F

1-PSzH-F

1-BMP-1

1-Engineer Company: *(data deficient)*

1-Engineer Stand in BTR-50 or Truck

1-MTU-55 AVLB or TMM VLB or similar

1-BTS ARV or similar

1-DOK Entrenching vehicle or similar

6-Mineplow/roller sets

1-Anti-Aircraft Battery: (see note 6 for 37th Brigade of the 1st Corps)

1-9K31M Strela-1M (SA-9b)

1-Anti-Tank Battery:

2*-D-44N 85 mm ATG/Tow

2-9P133

2-Tank Battalions, each with: (see note 5)

Battalion Headquarters:

HQ: 1-T-55A

3-Tank Companies, each with:

2-T-55A

1-Artillery Battalion, with:

1-FAO

4-2S1

3-Infantry Battalions, each with:

Battalion Headquarters:

HQ: 1-HQ Stand in BMP-1

AA: 1-99K310 (SA-16 *Gimlet*)/BMP-1

3-Motor Rifle Companies, each with:

2-BMP-1 Infantry Combat Team

1-Mortar Battery: *(data deficient)*

2*-BM37 82 mmM in Truck or PSzH

3-Mechanized Rifle Brigades, each with: (see note 7)

Brigade Headquarters Company:

HQ: 1-T-55A

NBC Recon: 1-VS-FÚG

1-Recon Company:

1-FÚG or PSzH-F

1-PSzH-F

1-BMP-1

1-Engineer Company: *(data deficient)*

1-Engineer Stand in BTR-50 or Truck

1-MTU-55 AVLB or TMM VLB or similar

1-BTS ARV or similar

1-DOK Entrenching vehicle or similar

6-Mineplow/roller sets

1-Anti-Aircraft Battery:

1-9K31M Strela-1M (SA-9b)

1-Anti-Tank Battery:

2*-D-44N 85 mm ATG/Tow

2-9P133

2-Tank Battalions, each with: (see notes 5, 11)

Battalion Headquarters:

HQ: 1-T-55A

3-Tank Companies, each with:

2-T-55A

1-Artillery Battalion, with:

1-FAO

4-M-30 122 mmH/Tow

4-Infantry Battalions, each with: (see note 13)

Battalion Headquarters:

HQ: 1-HQ Stand in PSzH

AA: 1-9P58M (SA-7b *Grail*)/PSzH

1-AT Battery:

2-9K111 (AT-4 *Spigot*)/SPG-9 in PSzH; or

1-9K111 (AT-4 *Spigot*) in PSzH plus 1-SPG-9 in PSzH (from 1978)

3-Motor Rifle Companies, each with:

2-PSzH Infantry Combat Team

1-Mortar Battery: *(data deficient)*

2*-BM37 82 mmM in Truck or PSzH

Corps Assets:

1- Rocket Battalion, with:

2-9K52 Luna-M (FROG-7)

1-Recon Battalion with:

Battalion Headquarters:

HQ: 1-BRM-1

1-Recon Company: (see note 8)

3-BMP-1

1-Recon Company:

3-BMP-1

1-Deep Recon Company: (see note 9)

2-MÜ-FUG

1-Engineer Battalion with: (*Data deficient*)

Battalion Headquarters Company:

HQ: 1-HQ Engineer Stand in SKOT

Recon: 1-MÜ-FUG

1-Sapper Company:

2-Engineer Stands in BTR-50 or Truck

1-Routing Company:

2-MTU-55 AVLB or similar

1-Technical Company:

1-TMK-2 Entrenching Vehicle or similar

1-BAT or DOK Entrenching Vehicle or similar

1-BTS ARV or similar

1-Pontoon Company:

9- PMP Ribbon Bridge Section on Truck

3-BMK or BMK-90 Boat/Truck

1-Assault Company:

4?-PTS-M Light Ferry

1-GSP Heavy Ferry

4-Assault Raft in Truck

1-Anti-Tank Battalion, with:

HQ: 1-HQ stand in Truck

4-MT-12 100 mm ATG/Tow

4-9P133

1-Anti-Aircraft Battalion, with: (see notes 10, 12)

4-2K12M Kub (SA-6 Gainful)

1-Anti-Aircraft Battalion, with: (see note 10)

6-S-60/Tow

1-Artillery Brigade, with:

4-Artillery Battalions, each with:

1-FAO

4-D-20 152 mmH/Tow

1-Rocket Battalion:

1-FAO

4-BM-21

Notes:

1. This list covers the three reorganized Corps of the Hungarian People's Army from 1987 until 1989. Of these, the 1st is graded as Regular morale, the 2nd as 2/3 Regular and 1/3 Green, and the 3rd as 1/3 Regular and 2/3 Green. Each Corps counts as a Division for MSH purposes, and not a Corps. Thus "Corps"-level artillery in this list counts as being at Divisional level, etc.

2. The 1st Corps' 31st Tank Brigade is equipped with T-55AM instead of T-55A. The 1st Corps also has an extra Tank

Brigade, the 25th, that is equipped with T-72M1 instead of T-55A; with BMP-1 instead of PSzH; and with 9K310 (SA-16 Gimlet) instead of 9P58M (SA-7b Grail). It is otherwise identical to a standard Tank Brigade.

3. A Tank Brigade's Infantry Battalion may be broken down and attached out to the Brigades' Tank Battalions.

4. The 1st Corps has two such Mechanized Rifle Brigades (the 33rd and 37th), while the 3rd Corps has none.

5. A Mechanized Rifle Brigade's Tank Battalions may be broken down and attached out to the Brigades' Infantry Battalions.

6. The 37th Brigade (1st Corps) has 1-9K35M Strela-10M2 (SA-13 Gopher) instead of 1-9K31M Strela-1M (SA-9b).

7. The 1st Corps has only one such Mechanized Rifle Brigade (the 80th), while the 3rd has four (the 5th, 6th, 62nd, and 65th) (but see note 13).

8. This company may instead be fielded as 2-Infantry stands, if transported by Mi-8 helicopter (drawn from higher-level assets).

9. A Recon Battalion's Deep Recon Company may alternatively be fielded as a single Engineer Stand transported by Mi-8 helicopter (drawn from higher-level assets).

10. For the purposes of attachment (Section 2.3.3 of the rules, 2nd paragraph, page 3) each element or pair of elements of an Anti-Aircraft Battalion may count as a company.

11. The 1st Corps' 80th Mechanized Rifle Brigade has only one Tank Battalion, but it has 4 companies; likewise do the Tank Battalions of the four Brigades of the 3rd Corps.

12. The 3rd Corps' Battalion, the 15th, has only 3-2K12M Kub (SA-6 Gainful), and not 4-.

13. The 3rd Corps' 62nd Brigade has 3 of its 4 Battalions equipped with BTR-80 instead of PSzH. These battalions take the following form:

Battalion Headquarters:

HQ: 1-HQ Stand in BTR-80

AA: 1-9P58M (SA-7b Grail)/ BTR-80

3-Motor Rifle Companies, each with:

1-PSzH Infantry Combat Team

1-PSzH Infantry M115 Metis Combat Team

1-Mortar Battery: (*data deficient*)

2*-BM37 82 mmM in Truck or PSzH.

Metis Infantry Combat teams use both RPG-7 and 9M115 Metis (AT-7 Saxhorn), unlike normal Infantry Combat Teams, which have just RPG-7.