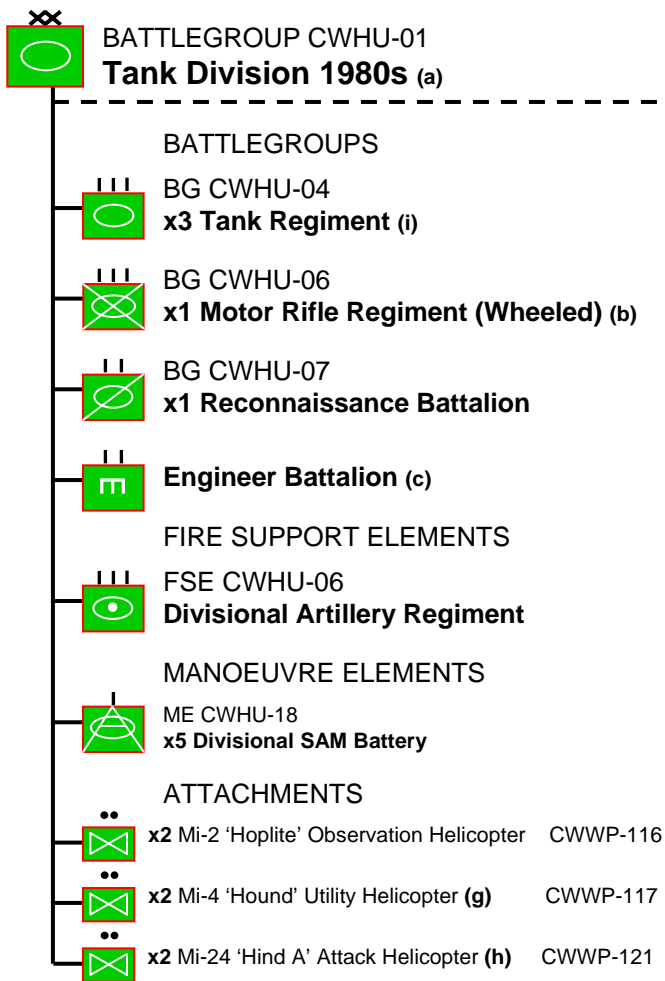
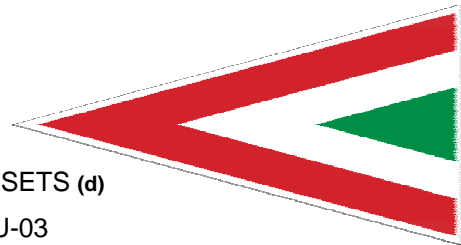


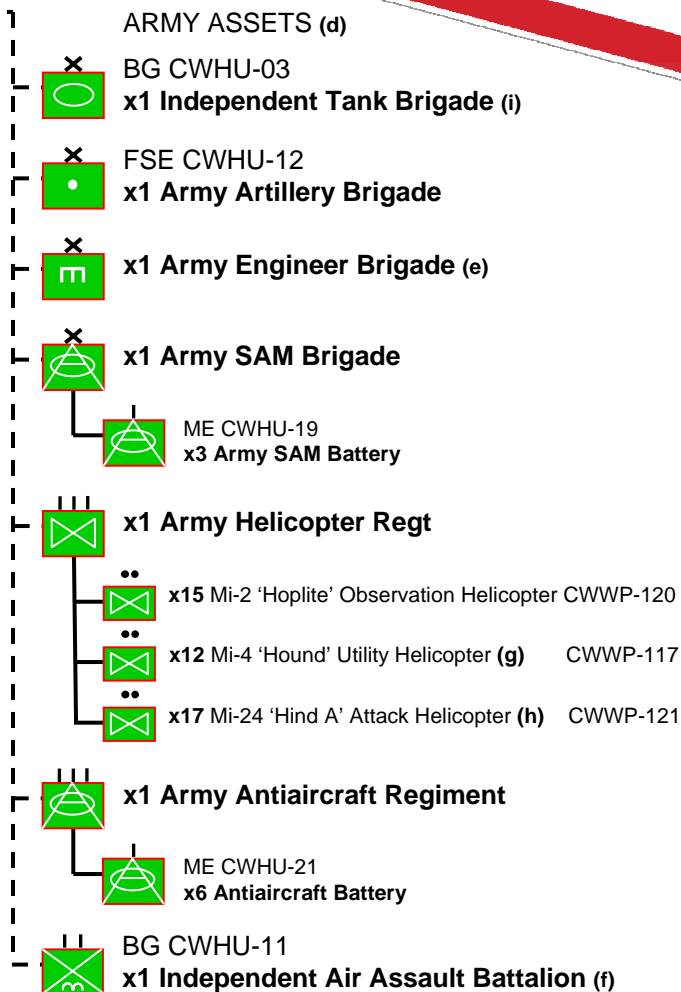
Hungarian TO&Es 1980-1989 v1.2



(a) The Hungarian People's Army (*'Magyar Honvédség'*) had **x1** Tank Division (11th Tank Division) and **x5** Motor Rifle Divisions (4th, 8th, 9th, 15th & 17th). These were grouped into a single Combined-Arms Army (1st Hungarian Army), which formed half of the Warsaw Pact's Southern Front. The Soviets supplied the other Army in Southern Front, as well as all the Front Troops. In practice, Hungarian and Soviet formations would have been swapped between the two armies, in order to balance the combat efficiency of the two armies. Owing to their history (particularly the Hungarian Revolution of 1956, which was brutally suppressed by the Soviets), Hungary was among the least enthusiastic of Warsaw Pact nations and this manifested itself not only in the small size of the Hungarian armed forces, but also in the lack of modern equipment, the low level of combat-readiness and the tiny army reserve (which could only field one weak Motor Rifle Division with obsolete equipment). The 11th Tank Division, 4th Motor Rifle Division and 8th Motor Rifle Division were only rated Category B in terms of combat-readiness and manning, while the rest were rated Category C.

(b) Early 1980s: The Motor Rifle Regiment of 11th Tank Division was reorganised and re-equipped with BMP. Change to Motor Rifle Regiment (Tracked) (BG CWHU-05).

(c) The Divisional Engineer Battalion had a single Sapper Company that could be considered an ME for game purposes (ME CWHU-17), while the rest of the battalion consisted of road-building, bridging, amphibian, position preparation and demolition equipment, which is unlikely to feature very heavily in a game.



(d) Hungarian units could be supported by Soviet Army assets and vice versa. As mentioned above, all Front assets were provided by the Soviets (see Soviet TO&Es).

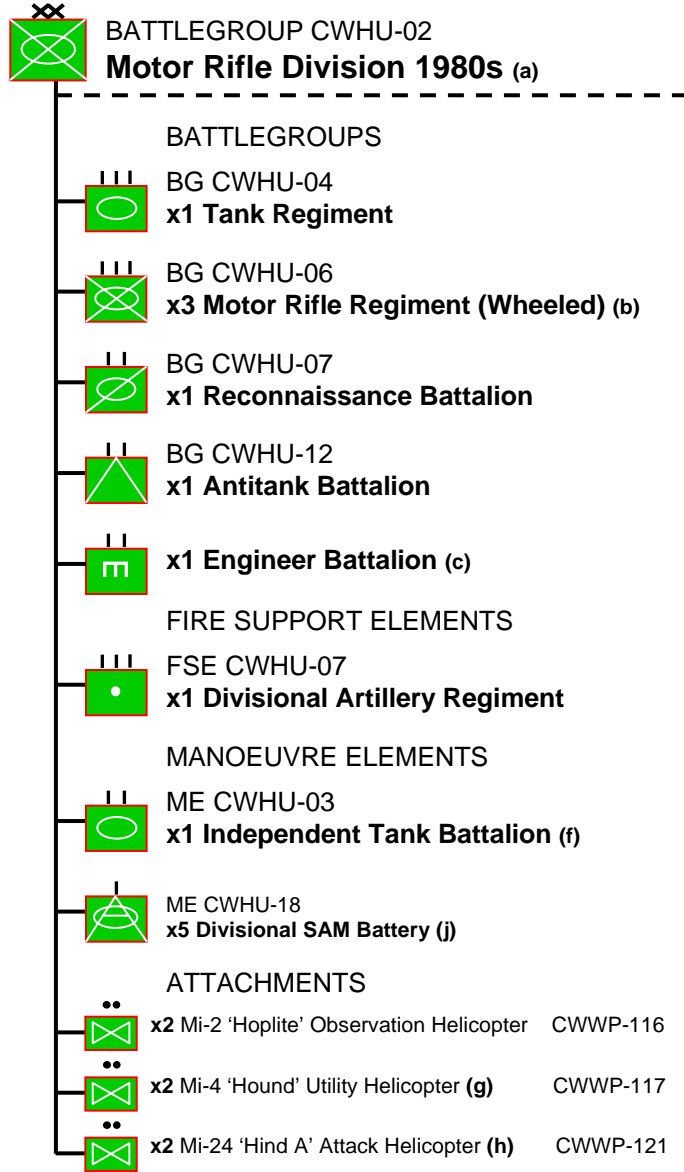
(e) Lots and lots of engineering assets that are probably outside the scope of this game.

(f) The Hungarian 37th Air Assault Battalion was Hungary's only airborne unit. It was organised as a Soviet Independent Air Assault Battalion.

(g) May replace Mi-4 'Hound' Utility Helicopters with:
Mi-8 'Hip C' Transport Helicopter CWWP-118

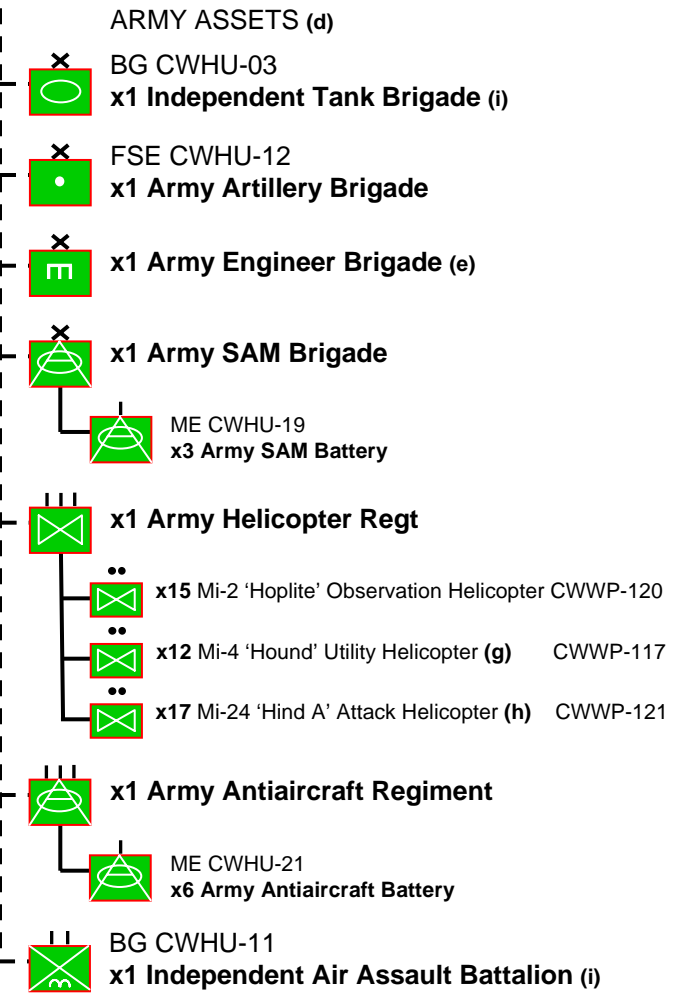
(h) May replace Mi-24 'Hind A' Attack Helicopters with:
Mi-24 'Hind D' Attack Helicopter CWWP-122

(i) Hungary was very slow in modernising her tank force. In 1982, Hungary had only a single battalion of T-72 (within 11th Tank Division). By 1986 that had increased to a full Tank Regiment. By 1989, the 11th Tank Division and the independent 1st Tank Brigade seem to have been fully-equipped with T-72. However, no Hungarian Motor Rifle Divisions ever received T-72 and it is by no means certain that 11th Tank Division's Motor Rifle Regiment ever received them. Unlike most other Warpac nations, Hungary did not instigate a major modernisation programme for its ageing fleet of T-55s.



(a) The Hungarian People's Army (*'Magyar Honvédség'*) had **x1** Tank Division (11th Tank Division) and **x5** Motor Rifle Divisions (4th, 8th, 9th, 15th & 17th). These were grouped into a single Combined-Arms Army (1st Hungarian Army), which formed half of the Warsaw Pact's Southern Front. The Soviets supplied the other Army in Southern Front, as well as all the Front Troops. In practice, Hungarian and Soviet formations would have been swapped between the two armies, in order to balance the combat efficiency of the two armies. Owing to their history (particularly the Hungarian Revolution of 1956, which was brutally suppressed by the Soviets), Hungary was among the least enthusiastic of Warsaw Pact nations and this manifested itself not only in the small size of the Hungarian armed forces, but also in the lack of modern equipment, the low level of combat-readiness and the tiny army reserve (which could only field one weak Motor Rifle Division with obsolete equipment). The 11th Tank Division, 4th Motor Rifle Division and 8th Motor Rifle Division were only rated Category B in terms of combat-readiness and manning, while the rest were rated Category C.

(b) Mid-1980s: In 4th & 8th Motor Rifle Divisions, replace **x1** Motor Rifle Regiment (Wheeled) with a Motor Rifle Regiment (Tracked) (BG CWHU-05).



(c) The Divisional Engineer Battalion had a single Sapper Company that could be considered an ME for game purposes (ME CWHU-17), while the rest of the battalion consisted of road-building, bridging, amphibian, position preparation and demolition equipment, which is unlikely to feature very heavily in a game.

(d) Hungarian units could be supported by Soviet Army assets and vice versa. As mentioned above, all Front assets were provided by the Soviets (see Soviet TO&Es).

(e) Lots and lots of engineering assets that are probably outside the scope of this game.

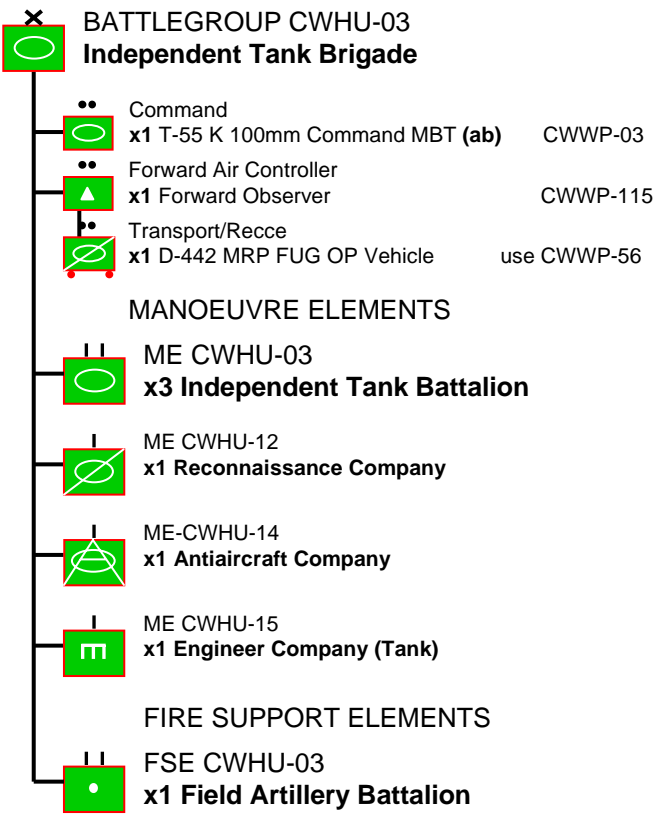
(f) I am not absolutely certain that the Hungarians followed the Soviet practice of holding a large Independent Tank Battalion in each Motor Rifle Division. If they did, it was probably only the case in 4th & 8th Motor Rifle Divisions.

(g) May replace Mi-4 'Hound' Utility Helicopter with: Mi-8 'Hip C' Transport Helicopter CWWP-118

(h) May replace Mi-24 'Hind A' Attack Helicopter with: Mi-24 'Hind D' Attack Helicopter CWWP-122

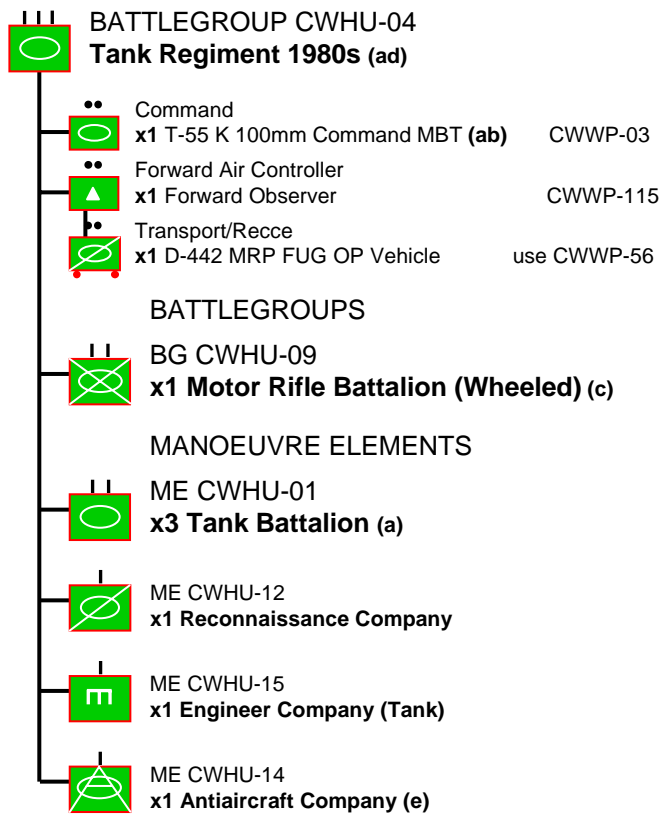
(i) The Hungarian 37th Air Assault Battalion was Hungary's only airborne unit. It was organised as a Soviet Independent Air Assault Battalion.

(j) In 9th, 15th & 17th Motor Rifle Divisions: Replace Divisional SAM Batteries with Divisional Antiaircraft Batteries (ME CWHU-20).



(a) Late 1980s: Replace T-55 with:
 T-72 MK 125mm Command Main Battle Tank (b) CWWP-11

(b) Command tanks (i.e. 'K' variants) do not have AAMGs and may not therefore conduct AA fire.



(a) Hungary was very slow in modernising her tank force. In 1982, Hungary had only a single battalion of T-72 (within 11th Tank Division). By 1986 that had increased to a full Tank Regiment. By 1989, the 11th Tank Division and the 1st Tank Brigade seem to have been fully-equipped with T-72. : May therefore replace T-55 in these units/years with:
 T-72 MK 125mm Command Main Battle Tank (b) CWWP-11

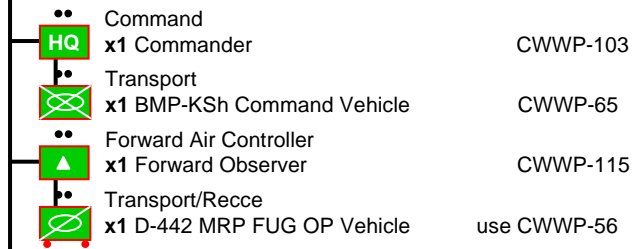
(b) Command tanks (i.e. 'K' variants) do not have AAMGs and may not therefore conduct AA fire.

(c) From early 1980s: In 11th Tank Division, 4th Motor Rifle Division and 8th Motor Rifle Division, may replace Motor Rifle Battalion (Wheeled) with Motor Rifle Battalion (Tracked) (BG CWHU-08).

(d) Hungarian Tank Regiments did not have a Regimental Artillery Group.

(e) In 9th, 15th & 17th Motor Rifle Divisions: Delete Antiaircraft Company.

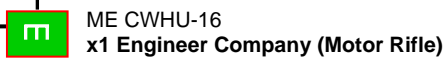
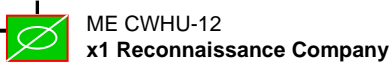
**BATTLEGROUP CWHU-05
Motor Rifle Regiment (Tracked) 1980s (a)**



BATTLEGROUPS



MANOEUVRE ELEMENTS



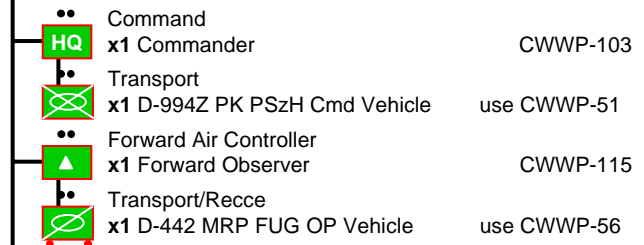
FIRE SUPPORT ELEMENTS



(a) As previously discussed, BMPs were only adopted during the 1980s and only within the 11th Tank, 4th Motor Rifle and 8th Motor Rifle Divisions. Until then, all Hungarian Motor Rifle Regiments were wheeled (BG CWHU-06).

(b) Late 1980s: It is possible that the Tank Battalion of the 11th Tank Division's Motor Rifle Regiment converted to T-72 along with the rest of the division (though this is not confirmed).

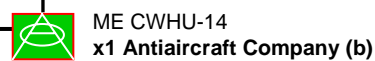
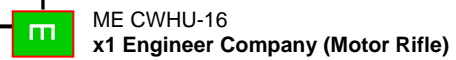
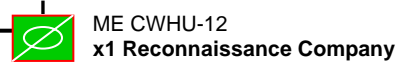
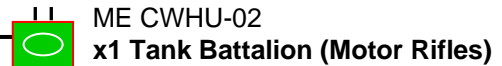
**BATTLEGROUP CWHU-06
Motor Rifle Regiment (Wheeled) 1980s (c)**



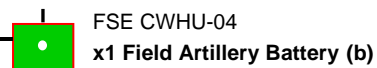
BATTLEGROUPS



MANOEUVRE ELEMENTS



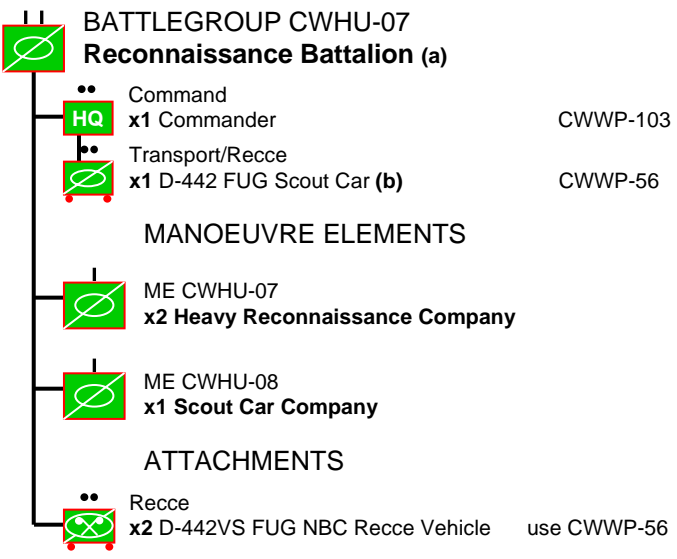
FIRE SUPPORT ELEMENTS



(a) In 9th, 15th & 17th Motor Rifle Divisions: Replace x1 Motor Rifle Battalion (Wheeled) with x1 Motor Rifle Battalion (Lorried).

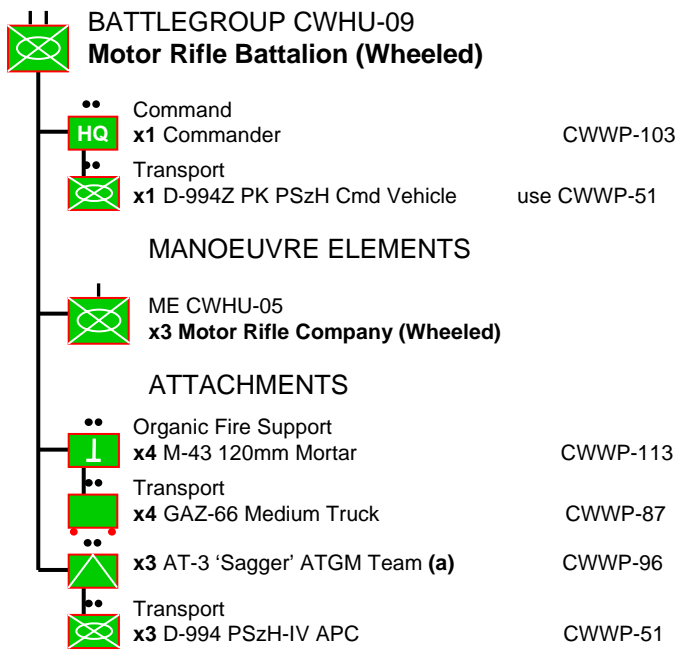
(b) In 9th, 15th & 17th Motor Rifle Divisions: Delete Field Artillery Battery and Antiaircraft Company.

(c) As previously discussed, one Motor Rifle Regiment each in 11th Tank, 4th Motor Rifle and 8th Motor Rifle Divisions converted to BMPs during the 1980s (see BG CWHU-05).

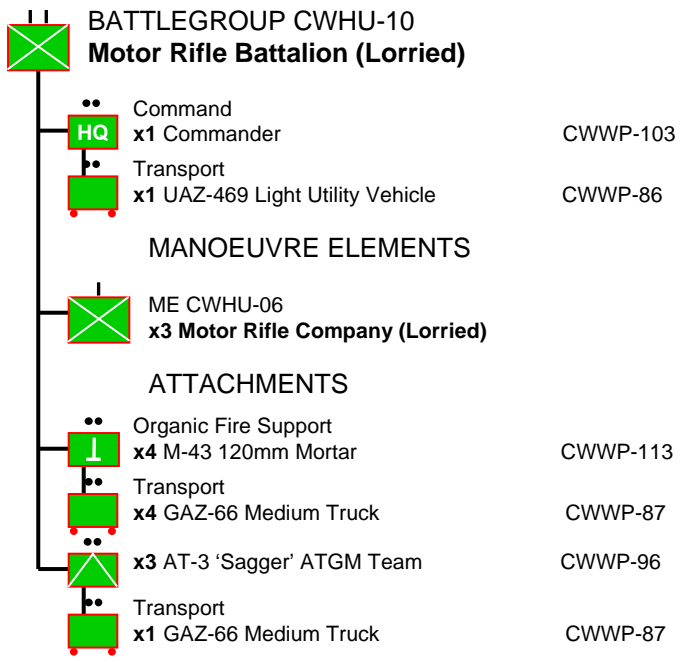
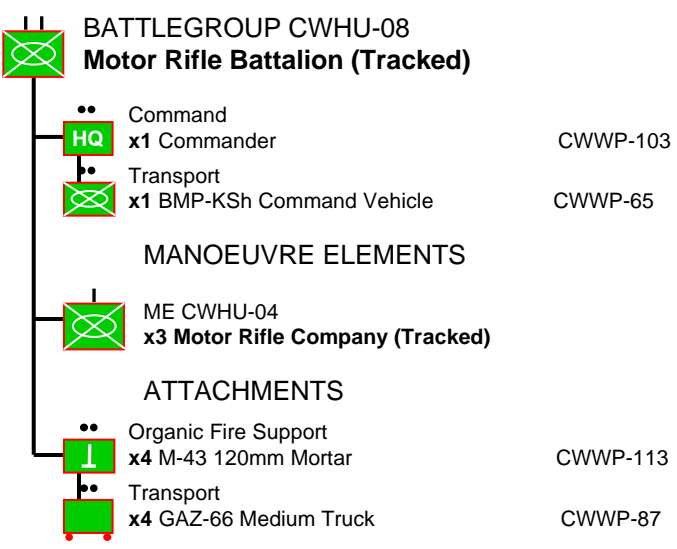


(a) Specific details of Hungarian Recce Battalion organisation are extremely difficult to track down, so this TO&E requires further research.

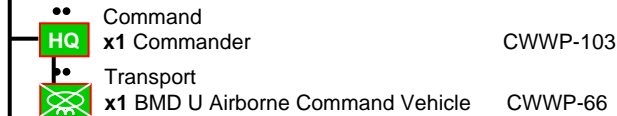
(b) May replace command D-442 FUG Scout Car with:
 D-994Z PK PSzH Command Vehicle use CWWP-51



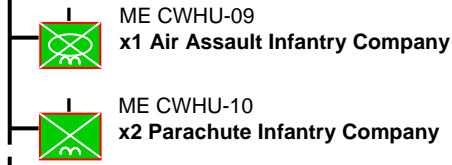
(a) In 11th Tank, 4th Motor Rifle and 8th Motor Rifle Divisions:
 Replace AT-3 'Sagger' teams with:
 AT-4 'Spigot' ATGM Team CWWP-97



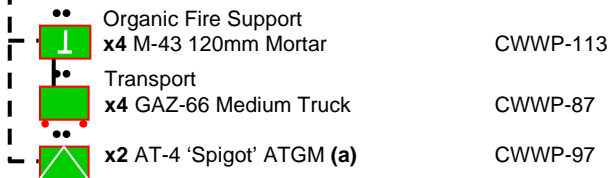
BATTLEGROUP CWHU-11 Independent Air Assault Infantry Battalion



MANOEUVRE ELEMENTS

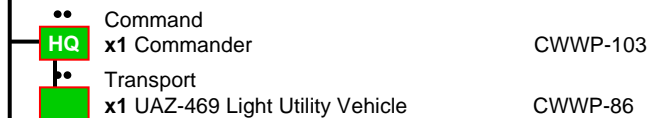


ATTACHMENTS



(a) The AT-4 'Spigot' ATGMs were normally allocated directly to the Parachute Companies. The Air Assault Company had its own organic ATGMs, mounted on its BMDs.

BATTLEGROUP CWHU-12 Antitank Battalion



MANOEUVRE ELEMENTS



MANOEUVRE ELEMENT CWHU-01 Tank Battalion (Tank Regiment)



(a) The Hungarians purchased a steady trickle of T-72 MBTs throughout the 1980s. By 1982 11th Tank Division had re-equipped one of its battalions with T-72. By 1986 this had increased to a full regiment. By 1989 the entire division had been re-equipped with T-72, as had the independent 1st Tank Brigade. May therefore replace T-55 tanks with:

T-72 M 125mm Main Battle Tank (c) CWWP-11

(b) Hungarian Tank Battalions generally operate as single MEs. However, one company of **x4** tanks may be detached from each Tank Battalion as a separate ME (designate one tank as the Company Commander).

(c) Regimental and Battalion Command Tank ('K') variants do not have AAMGs and may not therefore conduct anti-aircraft fire.

MANOEUVRE ELEMENT CWHU-02 Tank Battalion (Motor Rifle Regiment)



(a) In Late 1980s: The Tank Battalion of 11th Tank Division's Motor Rifle Regiment might have upgraded its tanks along with the division's Tank Regiments. May therefore replace T-55 tanks in this regiment only with:

T-72 M 125mm Main Battle Tank (c) CWWP-11

(b) Hungarian Tank Battalions generally operate as single MEs. However, one company of **x6** tanks may be detached from each Tank Battalion as a separate ME (designate one tank as the Company Commander).

(c) Regimental and Battalion Command Tank ('K') variants do not have AAMGs and may not therefore conduct anti-aircraft fire.

MANOEUVRE ELEMENT CWHU-03 Independent Tank Battalion (d)



(a) Late 1980s: Replace T-55 tanks in 1st Tank Brigade with:
T-72 M 125mm Main Battle Tank (c) CWWP-11

(b) Hungarian Tank Battalions generally operate as single MEs. However, one company of **x4** tanks may be detached from each Tank Battalion as a separate ME (designate one tank as the Company Commander).

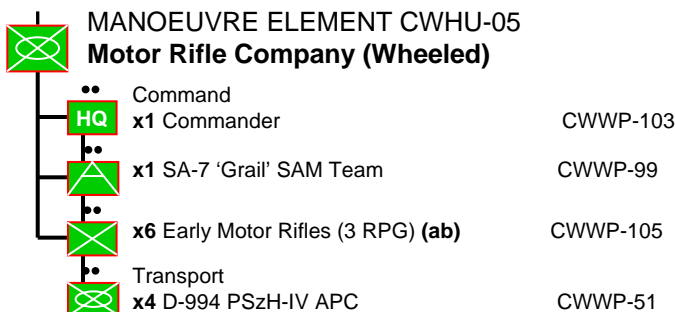
(c) Regimental and Battalion Command Tank ('K') variants do not have AAMGs and may not therefore conduct anti-aircraft fire.

(d) Late 1980s: Fifth company added. Increase to **x20** tanks plus **x1** command tank.



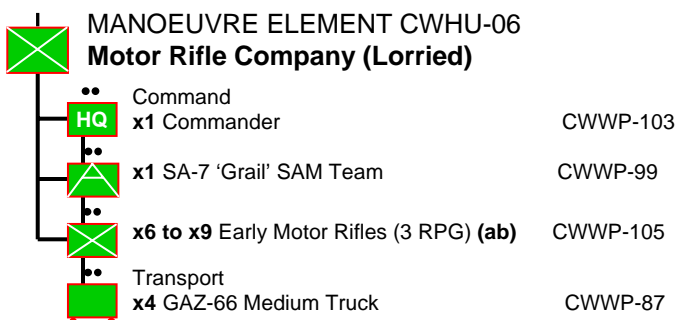
(a) Hungary suffered continual recruitment problems, due partly to the deep unpopularity of army service (many young men would declare all manner of medical problems to avoid the draft), but mainly due to the fact that ever since 1956, the Hungarian government had actively tried to avoid having to spend vast sums on a large standing army. These recruitment problems, allied to the tiny internal capacity of the wheeled D-994 PSzH-IV armoured personnel carrier, meant that Hungarian Motor Rifle platoon strength was very weak, with only 4-6 men per squad. It is debatable as to whether this situation improved when the marginally roomier BMP was introduced.

(b) Hungary did not keep pace with Soviet advances in infantry squad weapons.



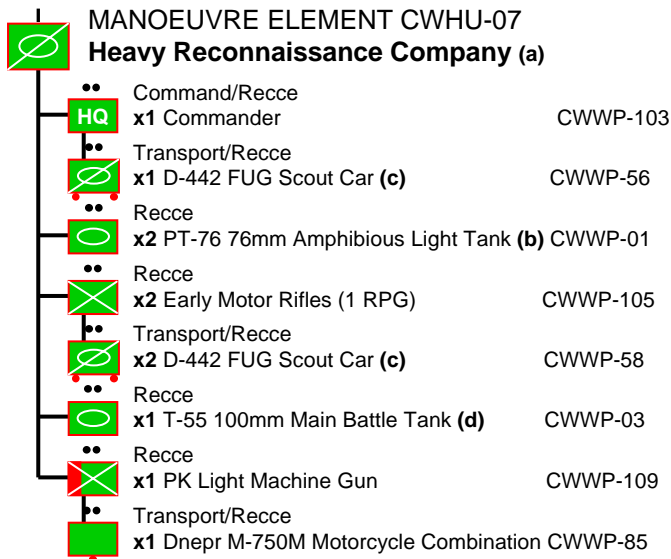
(a) The tiny internal capacity of the wheeled D-994 PSzH-IV armoured personnel carrier meant that Hungarian Motor Rifle platoon strength was very weak, with only 4-6 men per squad. Although there were still nine squads in the company, I've dropped the strength by one-third to reflect the low overall strength of the unit.

(b) Hungary did not keep pace with Soviet advances in infantry squad weapons.



(a) As with BMP-mounted Motor Rifles, it is debatable as to whether using trucks would lead to a larger squad/platoon strength.

(b) Hungary did not keep pace with Soviet advances in infantry squad weapons.

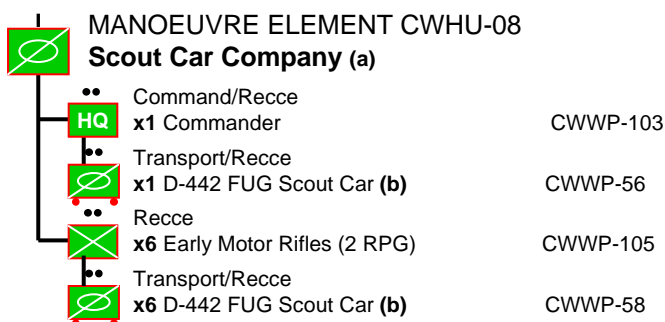


(a) I have only the sketchiest idea of how Hungarian recce units were organised. However, I do know that a dismountable element was carried by recce FUGs and that PT-76s remained in use until the end of the 1980s.

(b) It is possible that in the Recce Battalion of 11th Tank Division, PT-76s were replaced with BMPs, as they had been in other Warpac armies. May therefore replace PT-76 Light Tanks with:
 BMP-1 73mm Infantry Combat Vehicle CWWP-34

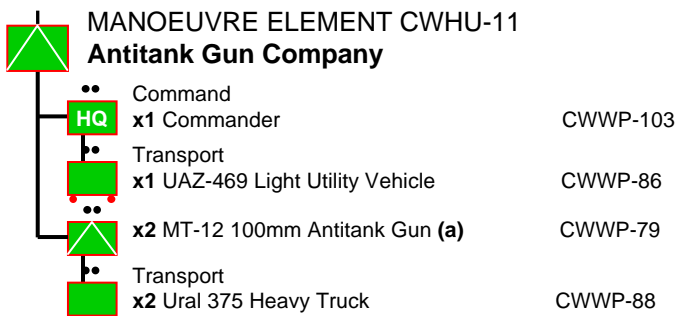
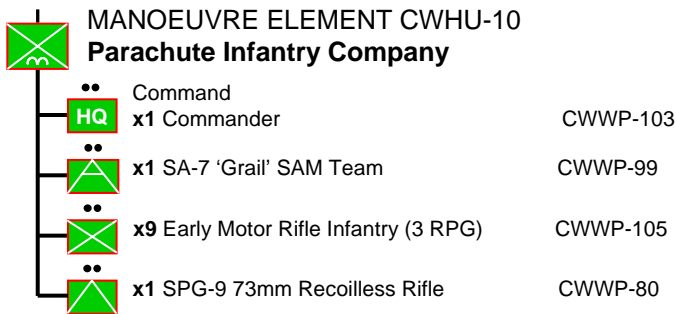
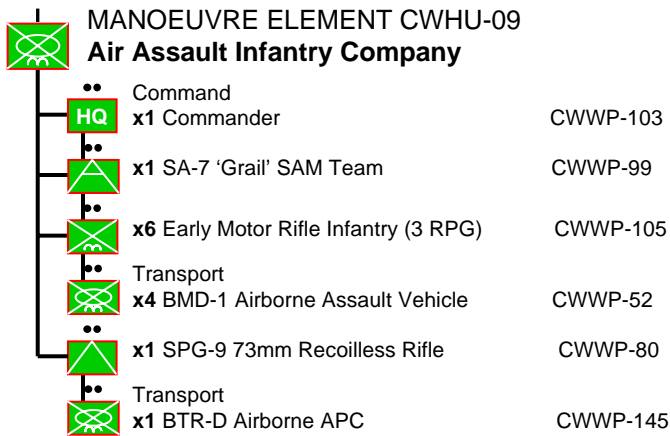
(c) May replace D-442 FUG Scout Cars with:
 D-994 PSzH-IV CWWP-51

(d) Late 1980s: It is possible that in the Recce Battalion of 11th Tank Division, the T-55s were upgraded along with the rest of the division's tanks. May therefore replace T-55 with:
 T-72 M 125mm Main Battle Tank CWWP-11

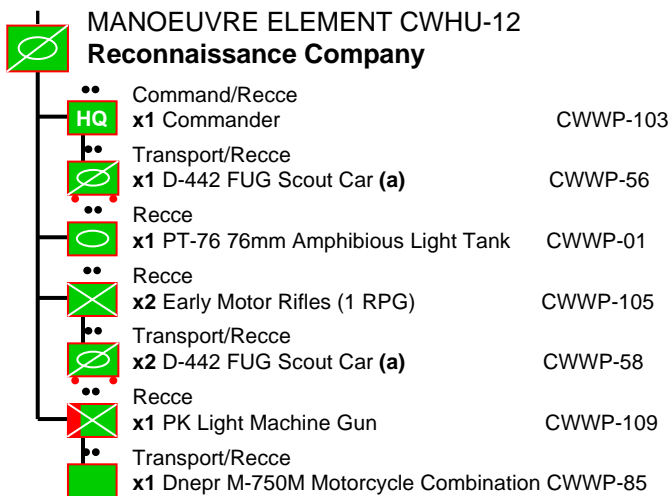


(a) I have only the sketchiest idea of how Hungarian recce units were organised. However, I do know that a dismountable element was carried by recce FUGs

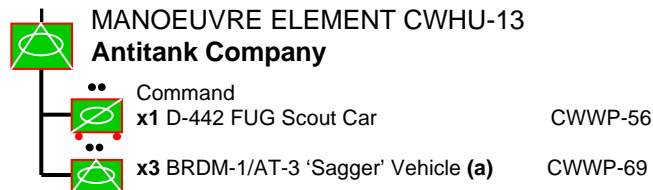
(b) May replace D-442 FUG Scout Cars with:
 D-994 PSzH-IV CWWP-51



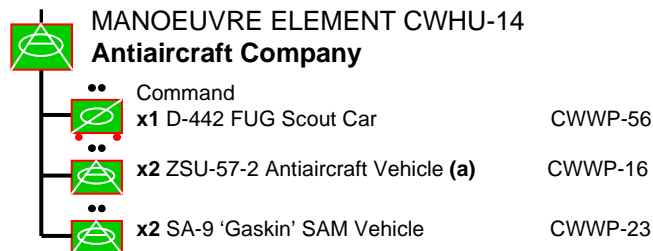
(a) In 9th, 15th & 17th Motor Rifle Divisions, replace MT-12s with:
D-44 85mm Antitank Gun CWWP-78



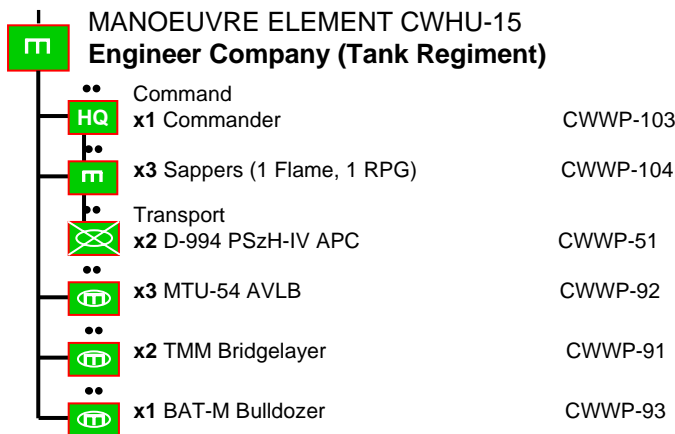
(a) May replace D-442 FUG Scout Cars with:
D-994 PSzH-IV CWWP-51



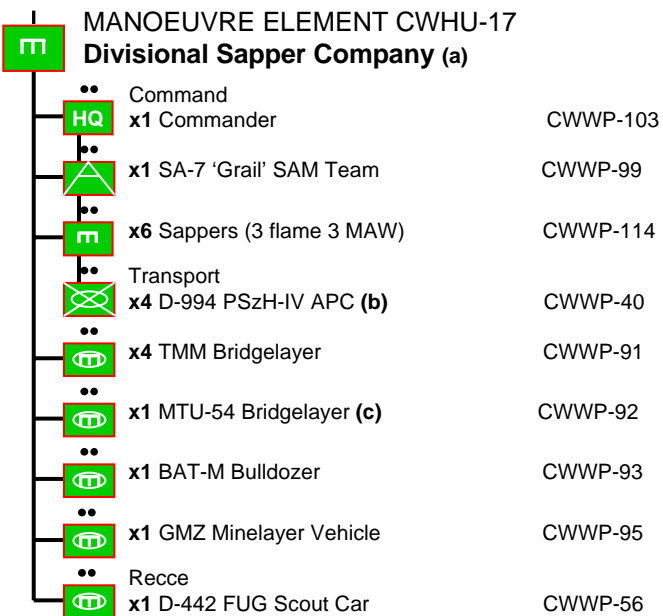
(a) May replace BRDM-1/AT-3 'Sagger' ATGM vehicle with:
BRDM-2/AT-3 'Sagger' ATGM Vehicle CWWP-70



(a) May replace ZSU-57-2 with:
ZSU-23-4 'Shilka' Antiaircraft Vehicle CWWP-17



(a) In 9th, 15th & 17th Motor Rifle Divisions: Replace D-994 PSzH-IV APCs with:
x1 Ural 375 Heavy Truck CWWP-88



(a) The Battalion Recce Platoon and Bridging Platoon have been incorporated in the ME above.

(b) In 9th, 15th & 17th Motor Rifle Divisions: Replace D-994 PSzH-IV APCs with:
 x2 Ural 375 Heavy Truck CWWP-88

(c) In 11th Tank Division, add:
 x2 MTU-54 Bridgelayers CWWP-92



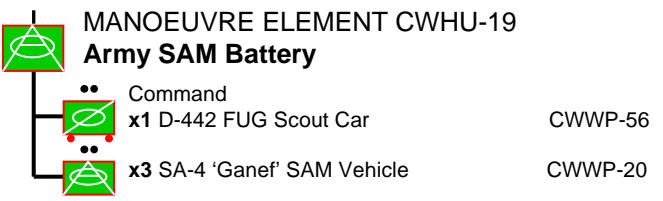
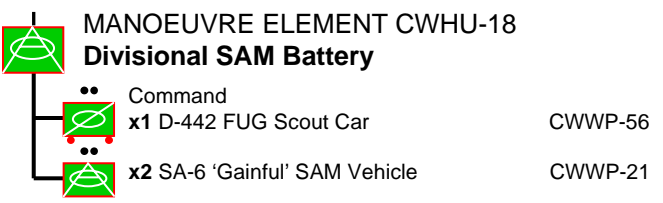
Air Support

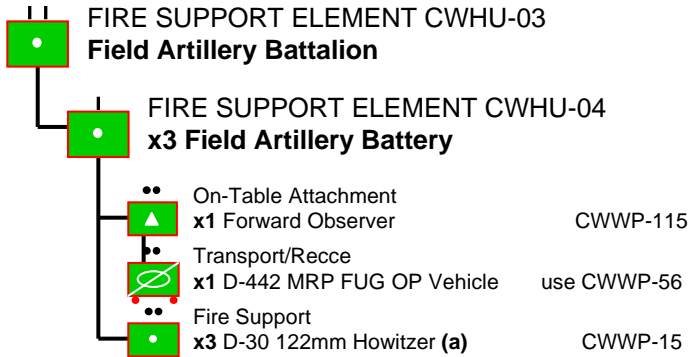
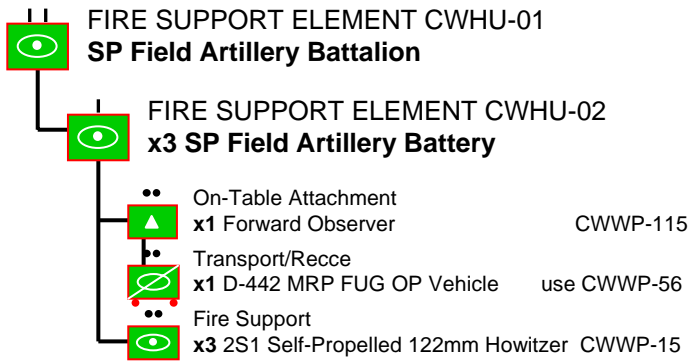
The Hungarian Army Air Force had the following aircraft deployed in the ground-attack role:
 Su-17 – 2x Squadrons
 MiG-17 – 1x Squadron

By 1987, one of the ground-attack squadrons had converted to Su-25 and by 1989 the whole Hungarian Attack Regiment had been converted.

In the air defence role (which could be pressed into service as ground attack if necessary) they had the following aircraft:
 MiG-21 – 8x Squadrons
 MiG-23 – 1x Squadron

(one source states that three of the nine Air Defence Fighter Squadrons were MiG-23)





(a) Sources are evenly split on the organisation of the Hungarian Army Artillery Brigade: Half state that the brigade had a battalion of BM-21 MRLs, while the other half state that it had two battalions of M-46 130mm long-range guns.

(a) Divisional Artillery Battalions were equipped with the M-38 122mm Howitzer, rather than the more modern D-30.

