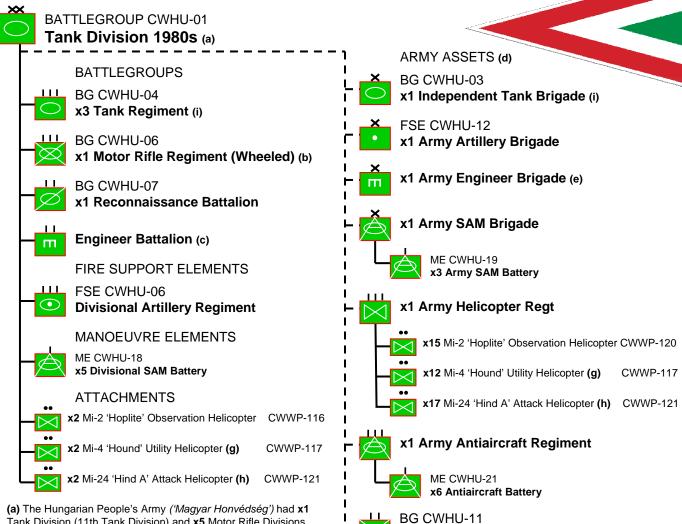
Hungarian TO&Es 1980-1989 v1.2



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 roadbuilding, 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).

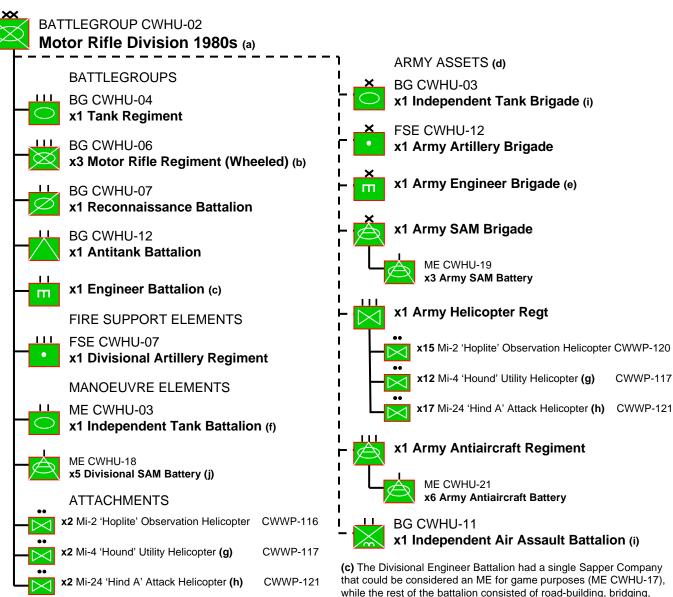
x1 Independent Air Assault Battalion (f)

(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). (d) Hungarian units could be supported by Soviet Army assets and

(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.

[Tank Regiment 1980s (ad)	
3	Command X1 T-55 K 100mm Command MBT (ab) CWWP-03	
15	Forward Air Controller x1 Forward Observer CWWP-115	
3	Transport/Recce x1 D-442 MRP FUG OP Vehicle use CWWP-56	
	BATTLEGROUPS	
	x1 Motor Rifle Battalion (Wheeled) (c)	
	MANOEUVRE ELEMENTS	
	ME CWHU-01 x3 Tank Battalion (a)	
	ME CWHU-12 x1 Reconnaissance Company	
	ME CWHU-15 x1 Engineer Company (Tank)	
	ME CWHU-14 x1 Antiaircraft Company (e)	
	(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	

T-72 MK 125mm Command Main Battle Tank (b) CWWP-11

to have been fully-equipped with T-72. : May therefore replace T-

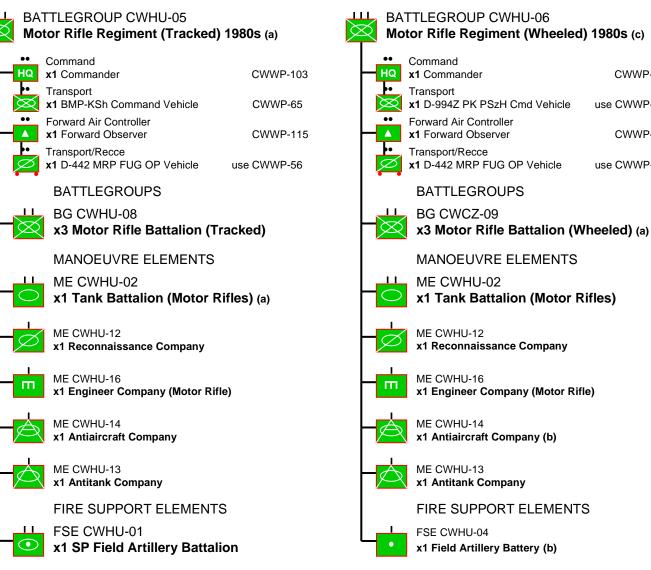
55 in these units/years with:

(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.



(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).

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

CWWP-103

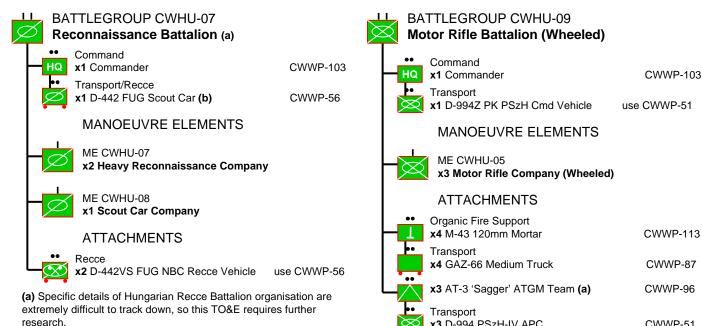
CWWP-115

use CWWP-51

use CWWP-56

(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).



CWWP-103

CWWP-65

CWWP-113

CWWP-87

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

BATTLEGROUP CWHU-08 Motor Rifle Battalion (Tracked)

x1 BMP-KSh Command Vehicle

MANOEUVRE ELEMENTS

x3 Motor Rifle Company (Tracked)

Command

Transport

Transport

x1 Commander

ME CWHU-04

ATTACHMENTS **Organic Fire Support** x4 M-43 120mm Mortar

x4 GAZ-66 Medium Truck

••

HQ

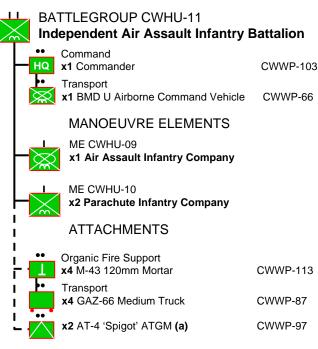
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CWWP-96 x3 D-994 PSzH-IV APC CWWP-51 (a) In 11th Tank, 4th Motor Rifle and 8th Motor Rifle Divisions:

CWWP-87

Replace AT-3 'Sagger' teams with: AT-4 'Spigot' ATGM Team CWWP-97

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(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

Command x1 Commander	CWWP-103
Transport x1 UAZ-469 Light Utility Vehicle	CWWP-86

MANOEUVRE ELEMENTS



HQ

ME CWHU-11 x3 Antitank Gun Company

MANOEUVRE ELEMENT CWHU-01 **Tank Battalion (Tank Regiment)**



x1 T-55 K 100mm Command MBT (ac) CWWP-03 x12 T-55 100mm MBT (ab)

Command

CWWP-03

(a) The Hungarians purchased a steady trickle of T-72 MBTs throughout the 1980s. By 1982 11th Tank Division had reequipped 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 replaced 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 antiaircraft fire.

MANOEUVRE ELEMENT CWHU-02 Tank Battalion (Motor Rifle Regiment			ent)	
	H	••	Command x1 T-55 K 100mm Command MBT (ac)	CWWP-03
	Կ	••	x17 T-55 100mm MBT (ab)	CWWP-03

(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 antiaircraft fire.



MANOEUVRE ELEMENT CWHU-03 Independent Tank Battalion (d)

Command x1 T-55 K 100mm Command MBT (ac) CWWP-03



x16 T-55 100mm MBT (ab) CWWP-03

(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 antiaircraft fire.

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

MANOEUVRE ELEMENT CWHU-04 Motor Rifle Company (Tracked)

HQ	Command x1 Commander	CWWP-103
- <mark> -</mark> -	x1 SA-7 'Grail' SAM Team	CWWP-99
-	x6 to x9 Early Motor Rifles (3 RPG) (ab)	CWWP-105
▶•	Transport x4 BMP-1 Infantry Combat Vehicle	CWWP-34

(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.

MANOEUVRE ELEMENT CWHU-05 Motor Rifle Company (Wheeled) Command

HQ x1 Commander	CWWP-103
x1 SA-7 'Grail' SAM Team	CWWP-99
x6 Early Motor Rifles (3 RPG) (ab)	CWWP-105
Transport x4 D-994 PSzH-IV APC	CWWP-51

(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.

MANOEUVRE ELEMENT CWHU-06 Motor Rifle Company (Lorried)

HQ x1 Commander	CWWP-103
x1 SA-7 'Grail' SAM Team	CWWP-99
x6 to x9 Early Motor Rifles (3 RPG) (ab)	CWWP-105
 Transport x4 GAZ-66 Medium Truck 	CWWP-87

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(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.

MANOEUVRE ELEMENT CWHU-07 Heavy Reconnaissance Company (a)

HQ	Command/Recce x1 Commander	CWWP-103
••	Transport/Recce x1 D-442 FUG Scout Car (c)	CWWP-56
-0	Recce x2 PT-76 76mm Amphibious Light Tank (b)) CWWP-01
•	Recce x2 Early Motor Rifles (1 RPG)	CWWP-105
••	Transport/Recce x2 D-442 FUG Scout Car (c)	CWWP-58
	Recce x1 T-55 100mm Main Battle Tank (d)	CWWP-03
	Recce x1 PK Light Machine Gun	CWWP-109
F	Transport/Recce x1 Dnepr M-750M Motorcycle Combination	CWWP-85

(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



x6 D-442 FUG Scout Car (b) CWWP-58

(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

MANOEUVRE ELEMENT CWHU-09		MANOEUVRE ELEMENT CV
• Command HQ x1 Commander	CWWP-103	Command x1 D-442 FUG Scout Car
x1 SA-7 'Grail' SAM Team	CWWP-99	x3 BRDM-1/AT-3 'Sagger' Vehic
x6 Early Motor Rifle Infantry (3 RPG)	CWWP-105	(a) May replace BRDM-1/AT-3 'Sagger' AT BRDM-2/AT-3 'Sagger' ATGM Vehicle
x4 BMD-1 Airborne Assault Vehicle	CWWP-52	
x1 SPG-9 73mm Recoilless Rifle	CWWP-80	MANOEUVRE ELEMENT CV
 Transport x1 BTR-D Airborne APC 	CWWP-145	Command x1 D-442 FUG Scout Car
MANOEUVRE ELEMENT CWHU-10		x2 ZSU-57-2 Antiaircraft Vehicle
Parachute Infantry Company		x2 SA-9 'Gaskin' SAM Vehicle
HQ x1 Commander	CWWP-103	(a) May replace ZSU-57-2 with:
x1 SA-7 'Grail' SAM Team	CWWP-99	ZSU-23-4 'Shilka' Antiaircraft Vehicle
x9 Early Motor Rifle Infantry (3 RPG)	CWWP-105	

CWWP-80

CWWP-51

MANOEUVRE ELEMENT CWHU-11 Antitank Gun Company •• Command

x1 SPG-9 73mm Recoilless Rifle

IQ	x1 Commander	CWWP-103
••	Transport x1 UAZ-469 Light Utility Vehicle	CWWP-86
••	x2 MT-12 100mm Antitank Gun (a)	CWWP-79
••	Transport x2 Ural 375 Heavy Truck	CWWP-88

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

MANOEUVRE ELEMENT CWHU-12 **Reconnaissance Company**

•• HQ	Command/Recce x1 Commander	CWWP-103
•• Ø	Transport/Recce x1 D-442 FUG Scout Car (a)	CWWP-56
••	Recce x1 PT-76 76mm Amphibious Light Tank	CWWP-01
••	Recce x2 Early Motor Rifles (1 RPG)	CWWP-105
•• Ø	Transport/Recce x2 D-442 FUG Scout Car (a)	CWWP-58
	Recce x1 PK Light Machine Gun	CWWP-109
••	Transport/Recce x1 Dnepr M-750M Motorcycle Combination	CWWP-85

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

RE ELEMENT CWHU-13 mpany FUG Scout Car CWWP-56 CWWP-69 1/AT-3 'Sagger' Vehicle (a) M-1/AT-3 'Sagger' ATGM vehicle with: gger' ATGM Vehicle CWWP-70 RE ELEMENT CWHU-14 Company FUG Scout Car CWWP-56 -2 Antiaircraft Vehicle (a) CWWP-16

- 57-2 with: Antiaircraft Vehicle CWWP-17
- MANOEUVRE ELEMENT CWHU-15 Π **Engineer Company (Tank Regiment)** •• Command HQ x1 Commander **CWWP-103** •• x3 Sappers (1 Flame, 1 RPG) **CWWP-104** m •• Transport \propto x2 D-994 PSzH-IV APC CWWP-51 .. x3 MTU-54 AVLB CWWP-92 Ð ... x2 TMM Bridgelayer CWWP-91 Ð •• x1 BAT-M Bulldozer CWWP-93 Ð

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MANOEUVRE ELEMENT CWHU-16 Engineer Company (Motor Rifle Regiment)

••	Command	
HQ	x1 Commander	CWWP-103
••		
m	x3 Sappers (1 Flame, 1 RPG)	CWWP-104
••	Transport	
\bowtie	x2 D-994 PSzH-IV APC (a)	CWWP-51
••		
- 1	x1 MTU-54 AVLB	CWWP-92
••		
-	x2 TMM Bridgelayer	CWWP-91
••		
•	x1 BAT-M Bulldozer	CWWP-93
••		
•	x1 BTM Trench-Digger	CWWP-94

(a) In 9th, 15th & 17th Motor Rifle Divisions: Replace D-994 PSzH-IV APCs with:

x1 Ural 375 Heavy Truck

CWWP-23

п	MANOEUVRE ELEMENT CWHU-17 Divisional Sapper Company (a)	
	•• Command HQ x1 Commander	CWWP-103
	x1 SA-7 'Grail' SAM Team	CWWP-99
	x6 Sappers (3 flame 3 MAW)	CWWP-114
	 Transport x4 D-994 PSzH-IV APC (b) 	CWWP-40
\vdash	x4 TMM Bridgelayer	CWWP-91
_	x1 MTU-54 Bridgelayer (c)	CWWP-92
_	x1 BAT-M Bulldozer	CWWP-93
\vdash	x1 GMZ Minelayer Vehicle	CWWP-95
	Recce x1 D-442 FUG Scout Car	CWWP-56

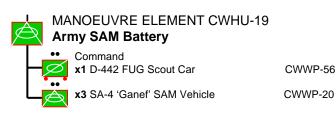
(a) The Battalion Recce Platoon and Bridging Platoon have been incorporated in the ME above.

In 9th, 15th & 17th Motor Rifle Divisions: Replace D-994 PSzH APCs with:			
x2 Ural 375 Heavy Truck	CWWP-88		
(c) In 11th Tank Division, add:			

(C) IN TITE TARK DIVISION, add:	
x2 MTU-54 Bridgelayer	CWWP-92

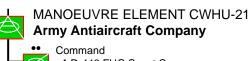
MANOEUVRE ELEMENT CWHU-18 Divisional SAM Battery

Command	
x1 D-442 FUG Scout Car	CWWP-56
x2 SA-6 'Gainful' SAM Vehicle	CWWP-21
	Command x1 D-442 FUG Scout Car x2 SA-6 'Gainful' SAM Vehicle



MANOEUVRE ELEMENT CWHU-20 Divisional Antiaircraft Battery

·	Command	
Q	x1 Commander	CWWP-103
•	Transport	
	x1 UAZ-469 Light Utility Vehicle	CWWP-86
•		
	x3 S-60 57mm Antiaircraft Gun	CWWP-84
•	Transport	
	x3 Ural 375 Heavy Truck	CWWP-88





x1 D-442 FUG Scout Carx2 ZSU-57-2 Antiaircraft Vehicle

CWWP-56

CWWP-16

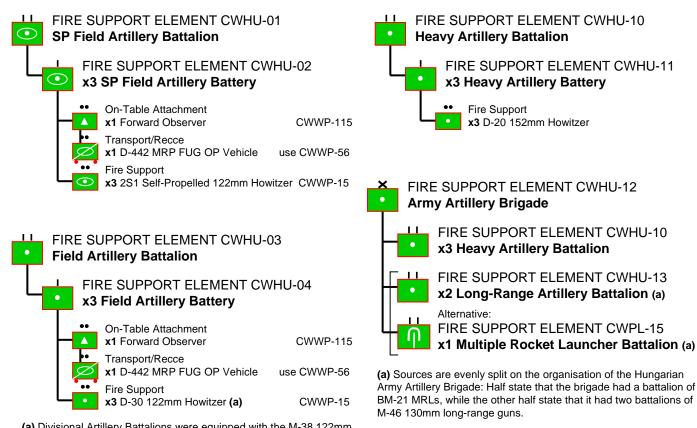
Air Support

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



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FIRE SUPPORT ELEMENT CWHU-06 **Divisional Artillery Regiment**

> FIRE SUPPORT ELEMENT CWHU-07 x1 SP Heavy Artillery Battalion

> FIRE SUPPORT ELEMENT CWHU-03 x2 SP Field Artillery Battalion



FIRE SUPPORT ELEMENT CWHU-07 **SP Heavy Artillery Battalion**

> FIRE SUPPORT ELEMENT CWHU-08 x3 SP Heavy Artillery Battery

Fire Support x3 2S3 Self-Propelled 152mm Howitzer CWWP-148

FIRE SUPPORT ELEMENT CWHU-09 **Divisional Artillery Regiment**

> FIRE SUPPORT ELEMENT CWHU-10 x1 Heavy Artillery Battalion

FIRE SUPPORT ELEMENT CWHU-03 x2 Field Artillery Battalion

FIRE SUPPORT ELEMENT CWHU-14 x3 Heavy Artillery Battery Fire Support x3 M-46 130mm Gun

FIRE SUPPORT ELEMENT CWHU-13 Long-Range Artillery Battalion



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Multiple Rocket Launcher Battalion

FIRE SUPPORT ELEMENT CWPL-16 x3 Multiple Rocket Launcher Battery

Fire Support x4 BM-21 122mm MRL