East German TO&Es 1980-1989 v1.3

BATTLEGROUP CWEG-01
Panzer Division 1980s (a)

BATTLEGROUPS

BG CWEG-03
x3 Panzer Regiment

BG CWEG-04
x1 Panzer-Grenadier Regiment (Tracked)

BG CWEG-08
x1 Panzer-Reconnaissance Battalion

x1 Pioneer Battalion (b)

FIRE SUPPORT ELEMENTS

FSE CWEG-05
Divisional Artillery Regiment

MANOEUVRE ELEMENTS

ME CWEG-15
x5 Divisional SAM Battery

ARMY ASSETS **(d)**

FSE CWEG-10
x1 Army Artillery Brigade (c)

x1 Army Pioneer Brigade (e)

x1 Army SAM Brigade

ME CWEG-16
x9 Army SAM Battery

x1 Attack Helicopter Regt (f)

x6 Mi-8 'Hip' Assault Transport Helicopter CWWP-120

x9 Mi-8 'Hip' Transport Helicopter CWWP-119

x6 Mi-24 'Hind' Attack Helicopter CWWP-122

x1 Army Antiaircraft Regiment

ME CWEG-17
x9 Flak Battery

x1 Panzerjäger Regiment

BG CWEG-09
x3 Panzerjäger Battalion

(a) The East German Army (NVA) had **x2** Panzer Divisions (7th & 9th) and **x4** Panzer-Grenadier Divisions (1st, 4th, 8th & 11th). These were grouped into two higher administrative formations – the 3rd and 5th Military Districts. Each Military District had **x1** Panzer Division and **x2** Panzer-Grenadier Divisions, plus Army Support Assets. Some sources record these formations as 'Armies', but in reality the Military Districts were administrative formations only. In war the six East German divisions would have come under the command of five of the six Soviet Armies in Germany (28th, 2nd Guards, 8th Guards, 20th Guards & 3rd Shock Armies, but not 1st Guards Army), while the East German Army support assets would form the Army Troops of 2nd Guards Army and 8th Guards Army. Consequently, East German divisions could have Soviet Army Troops in support and vice versa. The East Germans were widely regarded as the most reliable of all Warpac armies (the expression 'There's none so fanatical as a convert' springs to mind) and in some cases were regarded as more combat-efficient than many Soviet units in Germany.

(b) The Divisional Pioneer Battalion had a single Pioneer Company that could be considered an ME for game purposes (ME CWEG-14), 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.

(c) Division and Army Artillery Groups also had tactical ballistic missiles that could employ nuclear, chemical or HE warheads. Outside the scope of this game.

(d) As mentioned above, East German units could equally be supported by Soviet Army assets and vice versa. However, there are some differences – the East German Army Troops lacked an Army MRL Brigade, Army Reconnaissance Battalion, Panzer-Brigade, General Purpose Helicopter Regiment and Air Assault Battalion. Presumably these gaps would be filled from Soviet Front Troops in wartime. There was however, an additional East German Attack Helicopter Regiment (one source says two additional regiments) which would be used as a Front asset. There was also a parachute battalion (*Fallschirmjäger-Bataillon 40*), though this was a cover-name for a unique special forces unit that included elements uniformed, armed and organised as West German troops, fielding M113s and M48s captured in Vietnam, Egypt and Syria.

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

(f) As mentioned above, there was at least one additional East German Attack Helicopter Regiment (possibly two) deployed as a Front Asset. One source describes these as General-Purpose Helicopter Regiments, with **x6** Mi-2, **x9** Mi-8 and **x6** Mi-24.

BATTLEGROUP CWEG-02

Panzer-Grenadier Division 1980s (a)

BATTLEGROUPS

BG CWEG-03
x1 Panzer Regiment

BG CWEG-04
x1 Panzer-Grenadier Regiment (Tracked)

BG CWEG-05
x2 Panzer-Grenadier Regiment (Wheeled)

BG CWEG-08
x1 Panzer-Reconnaissance Battalion

BG CWEG-09
x1 Panzerjäger Battalion

x1 Pioneer Battalion (b)

FIRE SUPPORT ELEMENTS

FSE CWEG-05
x1 Divisional Artillery Regiment

MANOEUVRE ELEMENTS

ME CWEG-03
x1 Independent Panzer Battalion

ME CWEG-15
x5 Divisional SAM Battery

ARMY ASSETS (d)

FSE CWEG-10
x1 Army Artillery Brigade

x1 Army Pioneer Brigade (e)

x1 Army SAM Brigade

ME CWEG-16
x9 Army SAM Battery

x1 Attack Helicopter Regt (f)

x6 Mi-8 'Hip' Assault Transport Helicopter CWWP-120

x9 Mi-8 'Hip' Transport Helicopter CWWP-119

x6 Mi-24 'Hind' Attack Helicopter CWWP-122

x1 Panzerjäger Regiment

BG CWEG-09
x3 Panzerjäger Battalion

x1 Army Antiaircraft Regiment

ME CWEG-17
x9 Flak Battery

(a) The East German Army (NVA) had **x2** Panzer Divisions (7th & 9th) and **x4** Panzer-Grenadier Divisions (1st, 4th, 8th & 11th). These were grouped into two higher administrative formations – the 3rd and 5th Military Districts. Each Military District had **x1** Panzer Division and **x2** Panzer-Grenadier Divisions, plus Army Support Assets. Some sources record these formations as 'Armies', but in reality the Military Districts were administrative formations only. In war the six East German divisions would have come under the command of five of the six Soviet Armies in Germany (28th, 2nd Guards, 8th Guards, 20th Guards & 3rd Shock Armies, but not 1st Guards Army), while the East German Army support assets would form the Army Troops of 2nd Guards Army and 8th Guards Army. Consequently, East German divisions could have Soviet Army Troops in support and vice versa. The East Germans were widely regarded as the most reliable of all Warpac armies (the expression 'There's none so fanatical as a convert' springs to mind) and in some cases were regarded as more combat-efficient than many Soviet units in Germany.

(b) The Divisional Pioneer Battalion had a single Pioneer Company that could be considered an ME for game purposes (ME CWEG-14), 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.

(c) Division and Army Artillery Groups also had tactical ballistic missiles that could employ nuclear, chemical or HE warheads. Outside the scope of this game.

(d) As mentioned above, East German units could equally be supported by Soviet Army assets and vice versa. However, there are some differences – the East German Army Troops lacked an Army MRL Brigade, Army Reconnaissance Battalion, Panzer-Brigade, General Purpose Helicopter Regiment and Air Assault Battalion. Presumably these gaps would be filled from Soviet Front Troops in wartime. There was however, an additional East German Attack Helicopter Regiment (one source says two additional regiments) which would be used as a Front asset. There was also a parachute battalion (*Fallschirmjäger-Bataillon 40*), though this was a cover-name for a unique special forces unit that included elements uniformed, armed and organised as West German troops, fielding M113s and M48s captured in Vietnam, Egypt and Syria.

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(f) As mentioned above, there was at least one additional East German Attack Helicopter Regiment (possibly two) deployed as a Front Asset. One source describes these as General-Purpose Helicopter Regiments, with **x6** Mi-2, **x9** Mi-8 and **x6** Mi-24.

BATTLEGROUP CWEG-03
Panzer Regiment 1980s

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

Forward Air Controller
x1 Forward Observer CWWP-115

Transport/Recce
x1 BTR-60 TACP CWWP-64

BATTLEGROUPS

BG CWEG-06
x1 Panzer-Grenadier Battalion (Tracked) **(b)**

MANOEUVRE ELEMENTS

ME CWEG-01
x3 Panzer Battalion

ME CWEG-10
x1 Reconnaissance Company

ME CWEG-11
x1 Pioneer Company

ME CWEG-13
x1 Antiaircraft Company

FIRE SUPPORT ELEMENTS

FSE CWEG-01
Up to x1 Panzer Artillery Battalion **(d)**

(a) May replace T-54/T-55 with:
T-62 K 115mm Command Main Battle Tank **(d)** CWWP-05
Or from mid-1980s in Panzer Divisions only, replace tanks with:
T-72 MK 125mm Command Main Battle Tank **(d)** CWWP-11
Note that T-62s were only ever present in a small number of East German units and were all gone by 1989.

(b) As in many Soviet units, a shortage of manpower and APCs – particularly during the early 1980s – meant that many regiments only had a single Panzer-Grenadier Company (ME CWEG-).

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

(d) Some sources say that East German Panzer Regiments did not have a Regimental Artillery Group. Even if they did, there were simply not enough 2S1 self-propelled 122mm howitzers to go around, so I would add only a single battery at the most.

BATTLEGROUP CWEG-04
Panzer-Grenadier Regiment (Tracked) 1980s

Command
x1 Commander CWWP-103

Transport/Recce
x1 BTR-50 PU Command Vehicle **(a)** CWWP-61

Forward Air Controller
x1 Forward Observer CWWP-115

Transport/Recce
x1 BTR-60 TACP CWWP-64

BATTLEGROUPS

BG CWEG-06
x3 Panzer-Grenadier Battalion (Tracked)

MANOEUVRE ELEMENTS

ME CWEG-02
x1 Panzer Battalion **(b)**

ME CWEG-10
x1 Reconnaissance Company

ME CWEG-12
x1 Pioneer Company

ME CWEG-13
x1 Antiaircraft Company

ME CWEG-09
x1 Antitank Company

FIRE SUPPORT ELEMENTS

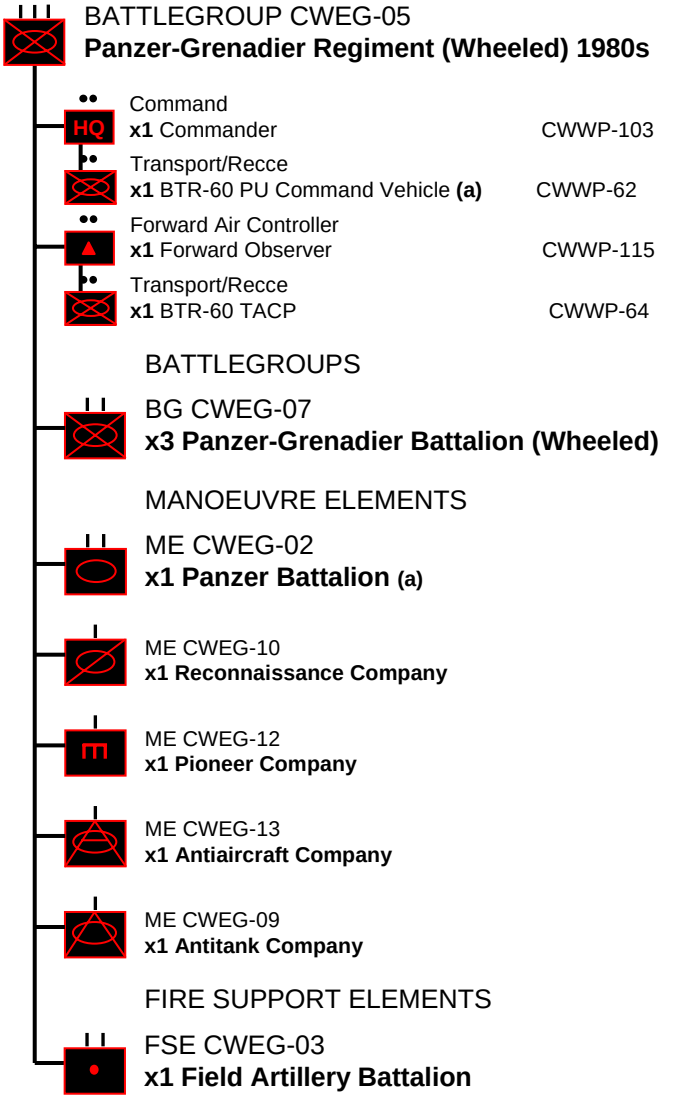
FSE CWEG-01
Up to x1 Panzer Artillery Battalion **(c)**

(a) May replace BTR-50 PU Command Vehicle with:
BMP KSh Command Vehicle CWWP-65

(b) As in many Soviet units and particularly during the early 1980s, many regiments only had a single Panzer Company.

(c) Some sources say that there were simply not enough 2S1 self-propelled 122mm howitzers to go around, so there would possibly be only a single battery.

BATTLEGROUP CWEG-05
Panzer-Grenadier Regiment (Wheeled) 1980s



Command
x1 Commander — CWWP-103

Transport/Recce
x1 BTR-60 PU Command Vehicle **(a)** — CWWP-62

Forward Air Controller
x1 Forward Observer — CWWP-115

Transport/Recce
x1 BTR-60 TACP — CWWP-64

BATTLEGROUPS

BG CWEG-07
x3 Panzer-Grenadier Battalion (Wheeled)

MANOEUVRE ELEMENTS

ME CWEG-02
x1 Panzer Battalion (a)

ME CWEG-10
x1 Reconnaissance Company

ME CWEG-12
x1 Pioneer Company

ME CWEG-13
x1 Antiaircraft Company

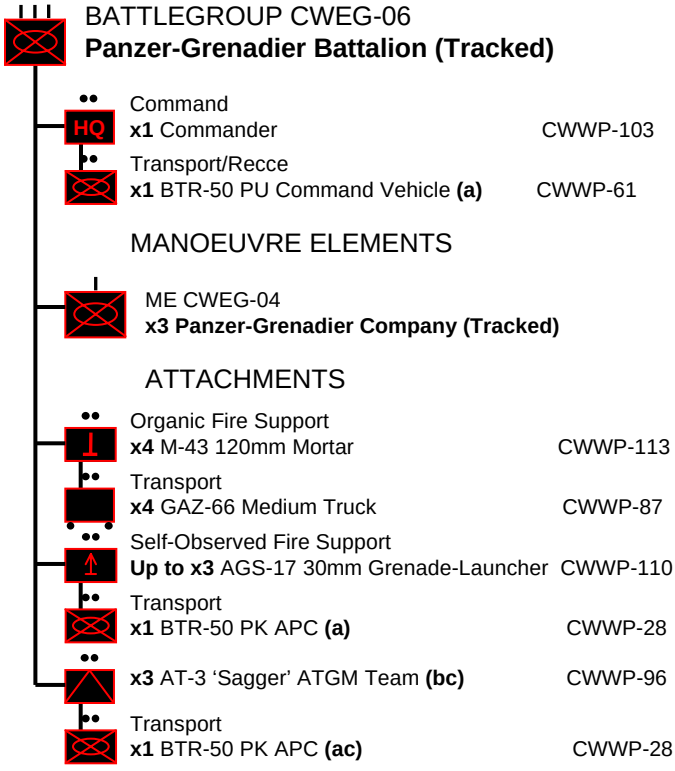
ME CWEG-09
x1 Antitank Company

FIRE SUPPORT ELEMENTS

FSE CWEG-03
x1 Field Artillery Battalion

(a) As in many Soviet units and particularly during the early 1980s, many regiments only had a single Panzer Company.

BATTLEGROUP CWEG-06
Panzer-Grenadier Battalion (Tracked)



Command
x1 Commander — CWWP-103

Transport/Recce
x1 BTR-50 PU Command Vehicle **(a)** — CWWP-61

MANOEUVRE ELEMENTS

ME CWEG-04
x3 Panzer-Grenadier Company (Tracked)

ATTACHMENTS

Organic Fire Support
x4 M-43 120mm Mortar — CWWP-113

Transport
x4 GAZ-66 Medium Truck — CWWP-87

Self-Observed Fire Support
Up to x3 AGS-17 30mm Grenade-Launcher — CWWP-110

Transport
x1 BTR-50 PK APC **(a)** — CWWP-28

x3 AT-3 'Sagger' ATGM Team **(bc)** — CWWP-96

Transport
x1 BTR-50 PK APC **(ac)** — CWWP-28

(a) May replace BTR-50 PK Armoured Personnel Carriers with:
BTR-50 PB Armoured Personnel Carrier — CWWP-135
BMP-1 73mm Infantry Combat Vehicle **(c)** — CWWP-34
Or from mid-1980s in Tank Divisions with:
BMP-2 (Warpac) 30mm Infantry Combat Vehicle **(c)** CWWP-37

(b) May replace AT-3 'Sagger' ATGM Teams with:
AT-4 'Spigot' ATGM Team — CWWP-97

(c) If BMPs are used, delete the ATGM teams and their transport. BMPs carried their own ATGM, thus rendering a battalion Antitank Platoon superfluous.

BATTLEGROUP CWEG-07
Panzer-Grenadier Battalion (Wheeled)

Command
x1 Commander — CWWP-103

Transport/Recce
x1 BTR-60 PU Command Vehicle **(a)** — CWWP-62

MANOEUVRE ELEMENTS

ME CWEG-05
x3 Panzer-Grenadier Company (Wheeled)

ATTACHMENTS

Organic Fire Support
x4 M-43 120mm Mortar — CWWP-113

Transport
x4 GAZ-66 Medium Truck — CWWP-87

Self-Observed Fire Support
Up to x3 AGS-17 30mm Grenade-Launcher — CWWP-110

Transport
x1 BTR-60 PB APC **(a)** — CWWP-31

x3 AT-3 'Sagger' ATGM Team **(b)** — CWWP-96

Transport
x1 BTR-60 PB APC **(a)** — CWWP-31

(a) The BTR-60 PB remained the most common APC in East German service throughout the 1980s. However, some obsolete types remained in service throughout, while new BTR-70s were also introduced. Therefore, may replace BTR-60 PB Armoured Personnel Carriers with:

- BTR-152 Armoured Personnel Carrier — CWWP-27
- BTR-60 P Armoured Personnel Carrier — CWWP-29
- BTR-60 PA Armoured Personnel Carrier — CWWP-30

Or from mid-1980s with:

- BTR-70 Armoured Personnel Carrier — CWWP-32

(b) May replace AT-3 'Sagger' ATGM Teams with:

- AT-4 'Spigot' ATGM Team — CWWP-97

BATTLEGROUP CWEG-08
Panzer-Reconnaissance Battalion (a)

Command
x1 BRDM-2U Command Vehicle **(b)** — CWWP-58

MANOEUVRE ELEMENTS

ME CWEG-06
x2 Heavy Reconnaissance Company

ME CWEG-07
x1 Scout Car Company

ATTACHMENTS

Recce
x2 BRDM-2 RKh NBC Recce Vehicle **(c)** — CWWP-59

(a) Note that there were very many variations on Soviet recce unit and sub-unit organisation and it remains a very difficult topic to research.

(b) May replace BRDM-2U Command Vehicle with:

- OT-65 VP Command Vehicle — use CWWP-56
- BRM 73mm Reconnaissance Vehicle — CWWP-58

(c) May replace BRDM-2 RKh NBC Recce Vehicle with:

- OT-65 Ch NBC Recce Vehicle — use CWWP-56

BATTLEGROUP CWEG-09
Panzerjäger Battalion

Command
x1 Commander — CWWP-103

Transport
x1 BRDM-2U Command Vehicle **(a)** — CWWP-60

MANOEUVRE ELEMENTS

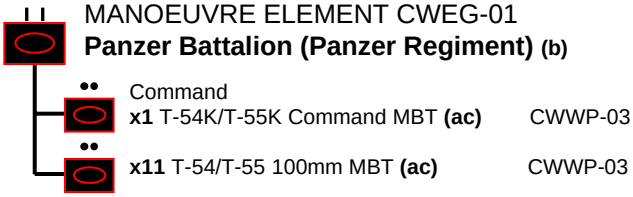
ME CWEG-08
x2 Antitank Gun Company

ME CWEG-09
x1 Antitank Company

(a) May replace BRDM-2U Command Vehicle with:

- OT-65 VP Command Vehicle — use CWWP-56

MANOEUVRE ELEMENT CWEG-01
Panzer Battalion (Panzer Regiment) (b)



Command
x1 T-54K/T-55K Command MBT **(ac)** CWWP-03

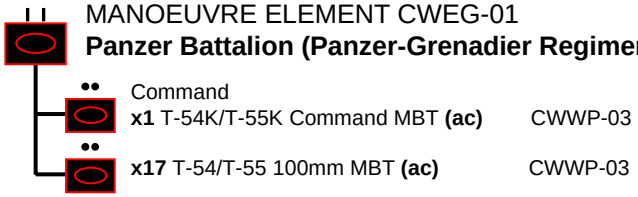
x11 T-54/T-55 100mm MBT **(ac)** CWWP-03

(a) May replace all tanks with:
T-62 115mm Main Battle Tank CWWP-05
Or from the mid-1980s in Panzer Divisions only with:
T-72 M 125mm (Export) Main Battle Tank CWWP-11

(b) East German Tank Battalions follow Soviet doctrine, generally operating as single MEs. However, one company of **x3** tanks may be detached from each Panzer Battalion as a separate ME (designate one tank as the Company Commander).

(c) Regimental and Battalion Command Tank ('K') variants do not have AAMGs.

MANOEUVRE ELEMENT CWEG-01
Panzer Battalion (Panzer-Grenadier Regiment) (b)



Command
x1 T-54K/T-55K Command MBT **(ac)** CWWP-03

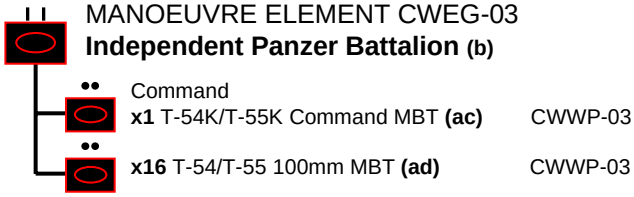
x17 T-54/T-55 100mm MBT **(ac)** CWWP-03

(a) May replace all tanks with:
T-62 115mm Main Battle Tank CWWP-05
Or from the mid-1980s in Panzer Divisions only with:
T-72 M 125mm (Export) Main Battle Tank CWWP-11

(b) East German Panzer Battalions generally operate as single MEs. However, in this instance, the battalion may be divided up into company MEs of **x6** tanks each, with each company coming under the command of a Panzer-Grenadier Battalion commander (designate one tank in each company as the Company Commander).

(c) Regimental and Battalion Command Tank ('K') variants do not have AAMGs.

MANOEUVRE ELEMENT CWEG-03
Independent Panzer Battalion (b)



Command
x1 T-54K/T-55K Command MBT **(ac)** CWWP-03

x16 T-54/T-55 100mm MBT **(ad)** CWWP-03

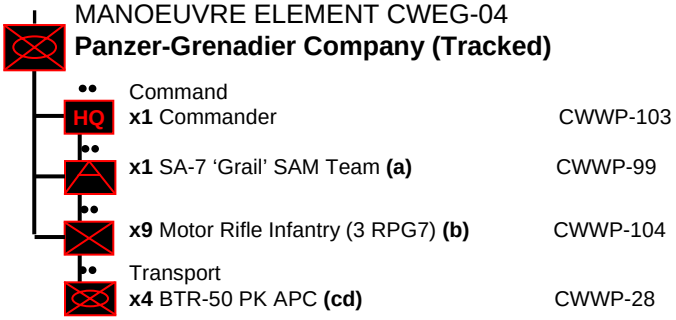
(a) May replace all tanks with:
T-62 115mm Main Battle Tank CWWP-05

(b) East German Tank Battalions follow Soviet doctrine, generally operating as single MEs. However, one company of **x3** tanks may be detached from each Panzer Battalion as a separate ME (designate one tank as the Company Commander).

(c) Regimental and Battalion Command Tank ('K') variants do not have AAMGs.

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

MANOEUVRE ELEMENT CWEG-04
Panzer-Grenadier Company (Tracked)



Command
x1 Commander CWWP-103

x1 SA-7 'Grail' SAM Team **(a)** CWWP-99

x9 Motor Rifle Infantry (3 RPG7) **(b)** CWWP-104

Transport
x4 BTR-50 PK APC **(cd)** CWWP-28

(a) May replace SA-7 'Grail' SAM with:
SA-14 'Gremlin' SAM Team CWWP-100
Or from mid-1980s with:
SA-16 'Gimlet' SAM Team CWWP-101

(b) While East German troops were issued RPG-18 LAWs, they do not appear to have received RPG-22 LAWs.

(c) May replace BTR-50 PK Armoured Personnel Carriers with:
BTR-50 PB Armoured Personnel Carrier CWWP-135
BMP-1 73mm Infantry Combat Vehicle CWWP-34
Or from mid-1980s with:
BMP-2 (Warpac) 30mm Infantry Combat Vehicle **(e)** CWWP-37

(d) Note that when BMP-1 was introduced, whole regiments were converted to BMP en masse rather than piecemeal replacement of vehicles, as there were organisational and tactical changes associated with the new BMP concept. However, when BMP-2 was introduced, they tended to replace BMP-1s piecemeal – a company or a battalion at a time. Therefore, a battalion might have two companies with BMP-1 and one company with BMP-2.

MANOEUVRE ELEMENT CWEG-05
Panzer-Grenadier Company (Wheeled)

Command
x1 Commander — CWWP-103

x1 SA-7 'Grail' SAM Team **(a)** — CWWP-99

x9 Motor Rifle Infantry (3 RPG7) **(b)** — CWWP-104

Transport
x4 BTR-60 PB APC **(c)** — CWWP-45

(a) May replace SA-7 'Grail' SAM with:
SA-14 'Gremlin' SAM Team — CWWP-100
Or from mid-1980s with:
SA-16 'Gimlet' SAM Team — CWWP-101

(b) While East German troops were issued RPG-18 LAWs, they do not appear to have received RPG-22 LAWs.

(c) The BTR-60 PB remained the most common APC in East German service throughout the 1980s. However, some obsolete types remained in service throughout, while new BTR-70s were also introduced. Therefore, may replace BTR-60 PB Armoured Personnel Carriers with:
BTR-152 Armoured Personnel Carrier — CWWP-27
BTR-60 P Armoured Personnel Carrier — CWWP-29
BTR-60 PA Armoured Personnel Carrier — CWWP-30
Or from mid-1980s with:
BTR-70 Armoured Personnel Carrier — CWWP-32

MANOEUVRE ELEMENT CWEG-06
Heavy Reconnaissance Company (a)

Command/Recce
x1 BRDM-2U Command Scout Car **(b)** — CWWP-60

Recce
x2 PT-76 76mm Amphibious Light Tank **(c)** — CWWP-01

Recce
x1 BRDM-2 Scout Car **(b)** — CWWP-55

Recce
x1 T-54/T-55 100mm Main Battle Tank **(d)** — CWWP-03

Recce
x1 PK Light Machine Gun — CWWP-109

Transport/Recce
x1 Motorcycle Combination — CWWP-85

(a) There were many variations on Warsaw Pact recce unit organisation, so this is only the loosest possible guide. The unit might also carry dismounts in those vehicles capable of carrying troops.

(b) May replace scout cars with:
OT-65 Scout Car — CWWP-56
BRM 73mm Reconnaissance Vehicle — CWWP-58

(c) May replace PT-76 Light Tanks with:
BMP-1 73mm Infantry Combat Vehicle — CWWP-34

(d) May replace T-54/T-55 100mm Main Battle Tank with:
T-62 115mm Main Battle Tank — CWWP-05
Or from mid-1980s:
T-72 M 125mm (Export) Main Battle Tank — CWWP-11

MANOEUVRE ELEMENT CWEG-07
Scout Car Company (a)

Command/Recce
x1 BRDM-2U Command Scout Car **(b)** — CWWP-60

Recce
x6 BRDM-2 Scout Car **(b)** — CWWP-55

(a) There were many variations on Warsaw Pact recce unit organisation, so this is only the loosest possible guide. The unit might also carry dismounts in those vehicles capable of carrying troops.

(b) May replace scout cars with:
OT-65 Scout Car — CWWP-56

MANOEUVRE ELEMENT CWEG-08
Antitank Gun Company

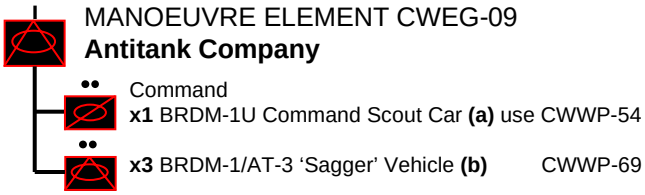
Command
x1 Commander — CWWP-103

Transport
x1 UAZ-469 Light Utility Vehicle — CWWP-86

x2 MT-10 100mm Antitank Gun — CWWP-77

Transport
x2 Ural 375 Heavy Truck — CWWP-88

MANOEUVRE ELEMENT CWEG-09
Antitank Company



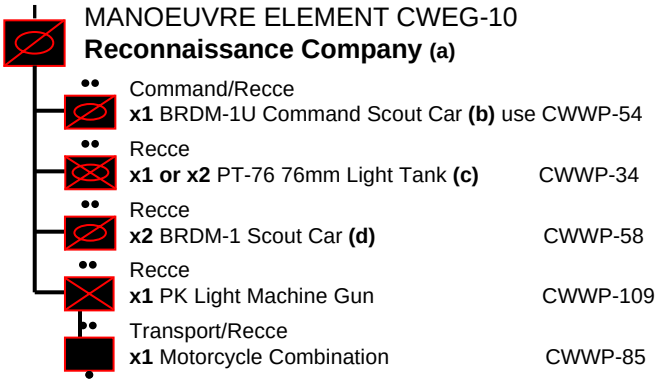
Command
x1 BRDM-1U Command Scout Car **(a)** use CWWP-54

x3 BRDM-1/AT-3 'Sagger' Vehicle **(b)** CWWP-69

(a) May replace BRDM-1U command vehicle with:
BRDM-2U Command Vehicle CWWP-60
OT-65 VP Command Vehicle use CWWP-56

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

MANOEUVRE ELEMENT CWEG-10
Reconnaissance Company (a)



Command/Recce
x1 BRDM-1U Command Scout Car **(b)** use CWWP-54

Recce
x1 or x2 PT-76 76mm Light Tank **(c)** CWWP-34

Recce
x2 BRDM-1 Scout Car **(d)** CWWP-58

Recce
x1 PK Light Machine Gun CWWP-109

Transport/Recce
x1 Motorcycle Combination CWWP-85

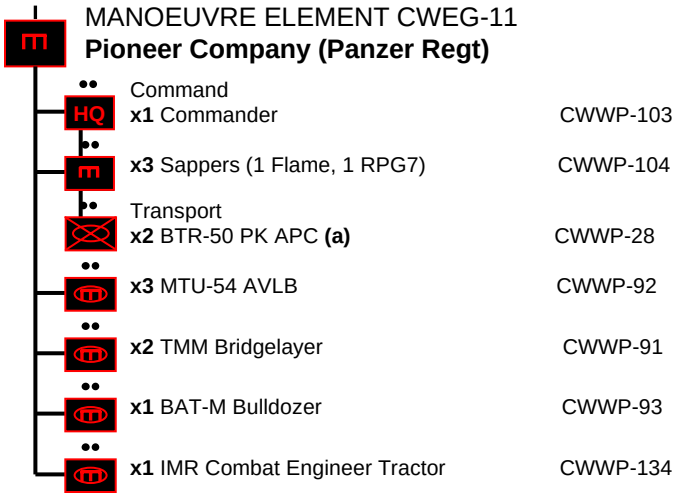
(a) There were many variations on Warsaw Pact recce unit organisation, so this is only the loosest possible guide. The unit might also carry dismounts in those vehicles capable of carrying troops.

(b) May replace command vehicle with:
BRDM-2U Command Scout Car CWWP-60
OT-65 VP Command Vehicle use CWWP-56
BRM 73mm Reconnaissance Vehicle CWWP-58

(c) May replace PT-76 Light Tank with:
BMP-1 73mm Infantry Combat Vehicle CWWP-34

(d) May replace BRDM-1 Scout Cars with:
BRDM-2 Reconnaissance Vehicle CWWP-55
OT-65 Scout Car CWWP-56

MANOEUVRE ELEMENT CWEG-11
Pioneer Company (Panzer Regt)



Command
x1 Commander CWWP-103

x3 Sappers (1 Flame, 1 RPG7) CWWP-104

Transport
x2 BTR-50 PK APC **(a)** CWWP-28

x3 MTU-54 AVLB CWWP-92

x2 TMM Bridgelayer CWWP-91

x1 BAT-M Bulldozer CWWP-93

x1 IMR Combat Engineer Tractor CWWP-134

(a) May replace BTR-50 PK APCs with:
BTR-50 PB Armoured Personnel Carrier CWWP-135

MANOEUVRE ELEMENT CWEG-12
Pioneer Company (Panzer-Grenadier Regt)

Command
x1 Commander CWWP-103

x3 Sappers (1 Flame, 1 RPG7) CWWP-104

Transport
x2 BTR-60 P APC **(a)** CWWP-29

x1 MTU-54 AVLB CWWP-92

x2 TMM Bridgelayer CWWP-91

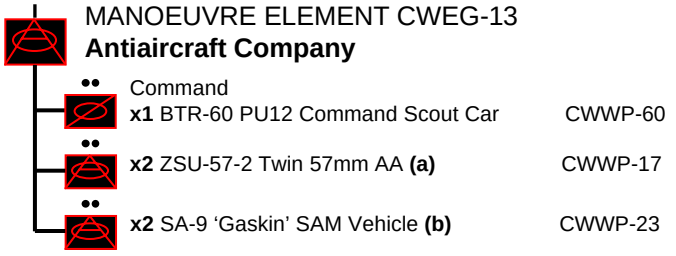
x1 BAT-M Bulldozer CWWP-93

x1 IMR Combat Engineer Tractor CWWP-134

x1 BTM Trench-Digger CWWP-94

(a) May replace BTR-60 P Armoured Personnel Carriers with:
BTR-152 Armoured Personnel Carrier CWWP-27
BTR-60 PA Armoured Personnel Carrier CWWP-30
BTR-60 PB Armoured Personnel Carrier CWWP-31
Or from mid-1980s with:
BTR-70 Armoured Personnel Carrier CWWP-32

MANOEUVRE ELEMENT CWEG-13
Antiaircraft Company



Command
x1 BTR-60 PU12 Command Scout Car CWWP-60

x2 ZSU-57-2 Twin 57mm AA **(a)** CWWP-17

x2 SA-9 'Gaskin' SAM Vehicle **(b)** CWWP-23

(a) May replace ZSU-57-2 with:
ZSU-23-4 'Shilka' Quad 23mm Antiaircraft Vehicle CWWP-18

(b) From mid-1980s: May replace SA-9 'Gaskin' SAM Vehicle with:
SA-13 'Gopher' SAM Vehicle CWWP-25

MANOEUVRE ELEMENT CWEG-14
Divisional Pioneer Company (a)

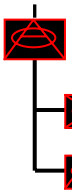
	Command	
	x1 Commander	CWWP-103
	x1 SA-7 'Grail' SAM Team **(b)**	CWWP-99
	x9 Sappers (3 flame 3 MAW)	CWWP-114
	x4 BTR-50 PK APC **(c)**	CWWP-28
	x4 TMM Bridgelayer	CWWP-91
	x1 or x3 MTU Bridgelayer **(d)**	CWWP-92
	x1 BAT-M Bulldozer	CWWP-93
	x1 GMZ Minelayer Vehicle	CWWP-95
	Recce	
	x1 BRDM-2 Armoured Car	CWWP-55

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

(b) May replace SA-7 'Grail' SAM with:
SA-14 'Gremlin' SAM Team CWWP-100
From mid-1980s, may replace SA-14 'Gremlin' SAM Team with:
SA-16 'Gimlet' SAM Team CWWP-101

(c) May replace BTR-50 PK APCs with:
BTR-152 Armoured Personnel Carrier CWWP-27
BTR-50 PB Armoured Personnel Carrier CWWP-135

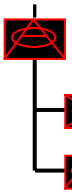
(d) Tank Divisions would have the larger number of MTU AVLBs.



MANOEUVRE ELEMENT CWEG-15
Divisional SAM Battery

	Command	
	x1 BTR-60 PU 12 AA Command Vehicle	CWWP-63
	x2 SA-6 'Gainful' SAM Vehicle **(ab)**	CWWP-21

(a) May replace all SA-6 'Gainful' in Panzer Divisions only with:
SA-8 'Gecko' SAM Vehicle CWWP-22



MANOEUVRE ELEMENT CWEG-16
Army SAM Battery

	Command	
	x1 BTR-60 PU 12 AA Command Vehicle	CWWP-63
	x2 SA-4 'Ganef' SAM Vehicle	CWWP-20

MANOEUVRE ELEMENT CWEG-17
Flak Battery

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

Air Support

In 1987, the East German Air Force had the following aircraft deployed in the ground-attack role:
MiG-23 – 2x Squadrons
Su-22 – 3x Squadrons

In the air defence role (which could be pressed into service as ground attack if necessary) they had the following aircraft:
MiG-21 – 18x Squadrons

FIRE SUPPORT ELEMENT CWEG-01
SP Field Artillery Battalion (a)

FIRE SUPPORT ELEMENT CWEG-02
x3 SP Field Artillery Battery (a)

On-Table Attachment
x1 Forward Observer — CWWP-115

Transport/Recce
x1 IV13 Tracked OP Vehicle — CWWP-67

Fire Support
x3 2S1 Self-Propelled 122mm Howitzer — CWWP-15

(a) Note that self-propelled artillery pieces were always in short supply in the Wasaw Pact armies – particularly during the earlier half of the 1980s. These units would often therefore persist with towed 122mm howitzers, as per FSE CWEG-03/04.

FIRE SUPPORT ELEMENT CWEG-03
Field Artillery Battalion

FIRE SUPPORT ELEMENT CWEG-04
x3 Field Artillery Battery

On-Table Attachment
x1 Forward Observer — CWWP-115

Transport/Recce
x1 1V18 Wheeled OP Vehicle — CWWP-68

Fire Support
x3 D-30 122mm Howitzer — CWWP-15

FIRE SUPPORT ELEMENT CWEG-05
Divisional Artillery Regiment

FIRE SUPPORT ELEMENT CWEG-06
x1 SP Heavy Artillery Battalion (a)

FIRE SUPPORT ELEMENT CWEG-03
x2 Field Artillery Battalion

FIRE SUPPORT ELEMENT CWEG-08
x1 Multiple Rocket Launcher Battalion (b)

FIRE SUPPORT ELEMENT CWEG-06
SP Heavy Artillery Battalion (a)

FIRE SUPPORT ELEMENT CWEG-07
x3 SP Heavy Artillery Battery (a)

On-Table Attachment
x1 Forward Observer — CWWP-115

Transport/Recce
x1 IV13 Tracked OP Vehicle — CWWP-67

Fire Support
x3 2S3 Self-Propelled 152mm Howitzer — CWWP-15

(a) Note that self-propelled artillery pieces were always in short supply in the Wasaw Pact armies – particularly during the earlier half of the 1980s. These units would often therefore persist with towed 152mm howitzers.

FIRE SUPPORT ELEMENT CWEG-08
Multiple Rocket Launcher Battalion

FIRE SUPPORT ELEMENT CWEG-09
x3 Multiple Rocket Launcher Battery

On-Table Attachment
x1 Forward Observer — CWWP-115

Transport/Recce
x1 IV13 Tracked OP Vehicle — CWWP-67

Fire Support
x3 BM-21 'Grad' 40x122mm MRL — CWWP-131

FIRE SUPPORT ELEMENT CWEG-10
Army Artillery Brigade

FIRE SUPPORT ELEMENT CWEG-06
x1 SP Heavy Artillery Battalion

FIRE SUPPORT ELEMENT CWEG-11
x3 Long-Range Artillery Battalion

FIRE SUPPORT ELEMENT CWEG-13
x1 Heavy MRL Battalion

FIRE SUPPORT ELEMENT CWEG-11
Long-Range Artillery Battalion

FIRE SUPPORT ELEMENT CWEG-12
x3 Long-Range Artillery Battery

On-Table Attachment
x1 Forward Observer — CWWP-115

Transport/Recce
x1 1V18 Wheeled OP Vehicle — CWWP-68

Fire Support
x3 M-30 130mm Gun — CWWP-15

FIRE SUPPORT ELEMENT CWEG-13
Heavy MRL Battalion

FIRE SUPPORT ELEMENT CWEG-14
x3 Heavy MRL Battery

On-Table Attachment
x1 Forward Observer — CWWP-115

Transport/Recce
x1 1V18 Wheeled OP Vehicle — CWWP-68

Fire Support
x3 BM-27 'Uragan' 16x220mm MRL