















# Portuguese 1980s TO&Es v1.2

	<b>BATTLEGROUP CWPT-01</b> <b>Portuguese Independent Mixed Brigade 1980s (ae)</b>	
	Command	
	<b>x1 Commander</b>	CWPT-29
	Transport/Recce	
	<b>x1 M577A2 Armoured Command Vehicle</b>	CWPT-17
	Forward Air Controller/Recce	
	<b>x4 Forward Observer</b>	CWPT-37
	Transport/Recce	
	<b>x4 M113 Armoured Personnel Carrier</b>	CWPT-12
	<b>BATTLEGROUPS</b>	
	<b>BATTLEGROUP CWPT-09</b> <b>x1 Armoured Battalion (b)</b>	
	<b>BATTLEGROUP CWPT-11</b> <b>x1 Mechanised Infantry Battalion (c)</b>	
	<b>BATTLEGROUP CWPT-12</b> <b>x2 Motorised Infantry Battalion</b>	
	<b>MANOEUVRE ELEMENTS</b>	
	<b>MANOEUVRE ELEMENT CWPT-02</b> <b>x1 Cavalry Reconnaissance Squadron (b)</b>	
	<b>MANOEUVRE ELEMENT CWPT-11</b> <b>x1 Armoured Combat Engineer Company (c)</b>	
	<b>MANOEUVRE ELEMENT CWPT-12</b> <b>x1 Self-Propelled Antiaircraft Company (e)</b>	
	<b>MANOEUVRE ELEMENT CWPT-13</b> <b>x1 Self-Propelled SAM Company (e)</b>	
	<b>MANOEUVRE ELEMENT CWPT-14</b> <b>x1 Light SAM Company (e)</b>	
	<b>FIRE SUPPORT ELEMENTS</b>	
	<b>FIRE SUPPORT ELEMENT CWPT-01</b> <b>x1 Mixed Field Artillery Battalion</b>	

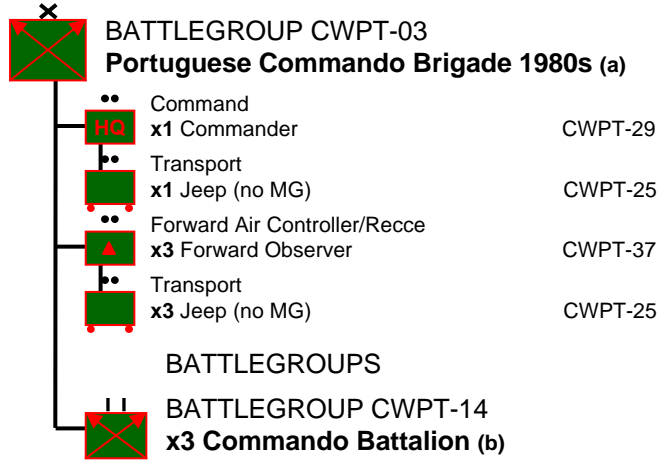
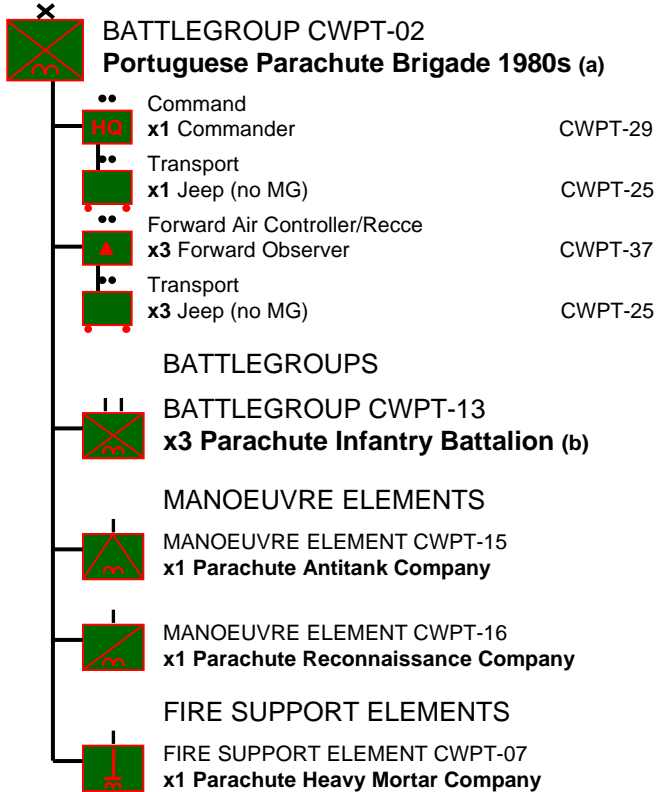
(a) The Portuguese 1st Independent Mixed Brigade (*1a Brigada Mista Autonomo*) was Portugal's only permanent, fully-manned, deployable, major combat formation. However, there were no regiments permanently assigned to the Brigade: it was manned by personnel drawn on rotation from regiments of the four Portuguese Military Regions. In the event of a war between NATO and the Warsaw Pact, the 1st Independent Mixed Brigade would be deployed to Italy and would come under command of Italian III Corps. In theory, as many as **x4** Independent Mixed Brigades were to be formed in wartime, but for most of the 1980s Portugal did not have sufficient tanks and APCs to form even a second Independent Mixed Brigade, let alone a third and a fourth. This situation was partially rectified by 1989 (thanks to US military aid) and the Portuguese finally had enough tanks and other heavy equipment to form a 2nd Independent Mixed Brigade. However, there was no permanent establishment for the 2nd Brigade – the equipment was to be kept in storage so that it could be formed in wartime.

(b) In 1985, the 1st Independent Mixed Brigade's Armoured Battalion had **x2** Squadrons of M47 Medium Tanks and **x1** Squadron of M48A5 Medium Tanks. The Armoured Cavalry Squadron was also equipped with M48A5s. The only other tanks in the Portuguese Army were a single Armoured Cavalry Squadron equipped with M24 Chaffee Light Tanks. By 1989, US military aid had made a massive difference – all tanks in the 1st Mixed Brigade were now M48A5, with **x2** Squadrons of M48A5 and **x3** Squadrons of M47 in surplus (most of which, presumably went to form the 2nd Mixed Brigade)

(c) In 1985 there were only enough M113 variants to equip the units shown here. By 1989 there were sufficient M113s to equip the 2nd Mixed Brigade.

(d) In 1985 there were only enough Vulcan, Chaparral and Blowpipe air defence systems to equip the units shown here. By 1989 there were sufficient weapons to equip another two brigades.

(e) Although there was a nominal 'I Portuguese Corps' command, the Portuguese did not have sufficient military capability to field a division, let alone a corps. There were therefore, no corps combat support elements such as heavy artillery, etc. However, the Lisbon Military Region did have a single permanently-manned Field Artillery Battalion (FSE CWPT-04) and an Air Defence Battalion with **x2** Light Antiaircraft Companies (ME CWPT-18), which may have been allocated to support the Mixed Brigades.

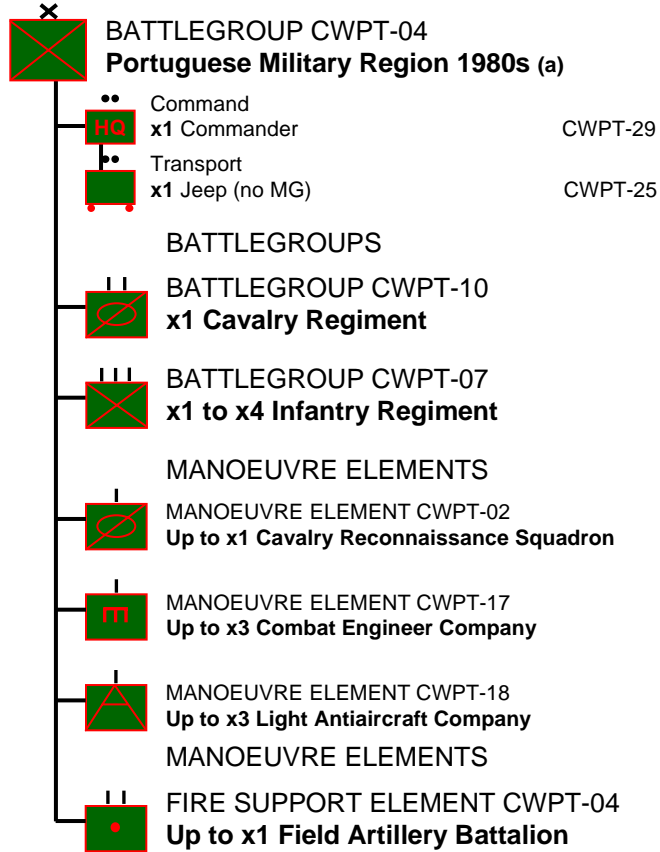


**(a)** The Portuguese Commando Brigade was permanently established in peacetime as a light, rapid-reaction force. As the Portuguese Parachute Brigade was controlled by the Air Force and the Marine Regiment was controlled by the Navy, the Commando Brigade gave the Army its own rapid-reaction special forces capability.

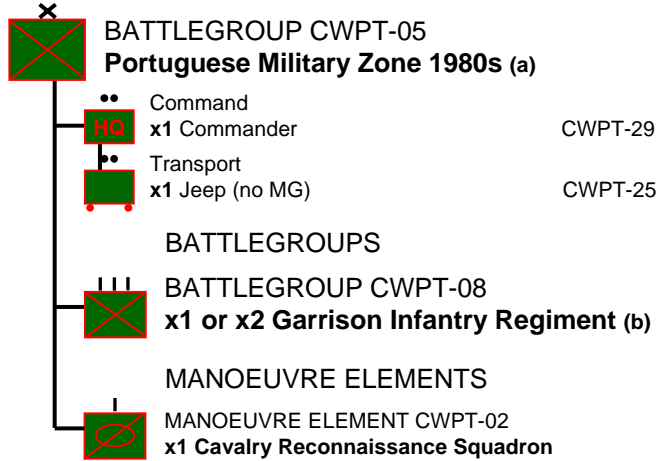
**(b)** Only two battalions were fully-manned in peacetime. The 3rd Commando Battalion was a training cadre.

**(a)** The Portuguese Parachute Brigade (*Corpo de Tropas Para-Quedistas*) was controlled by the Air Force. It was not established in peacetime, so would take some time to form during preparations for war. With only short notice, the Portuguese could only hope to form a strong para battalion group.

**(b)** The Brigade's Para Battalions were designated 11th, 21st and 31st. However, only the 11th was fully-manned during peacetime. The other two battalions each had one full-manned company, which served as training cadres.

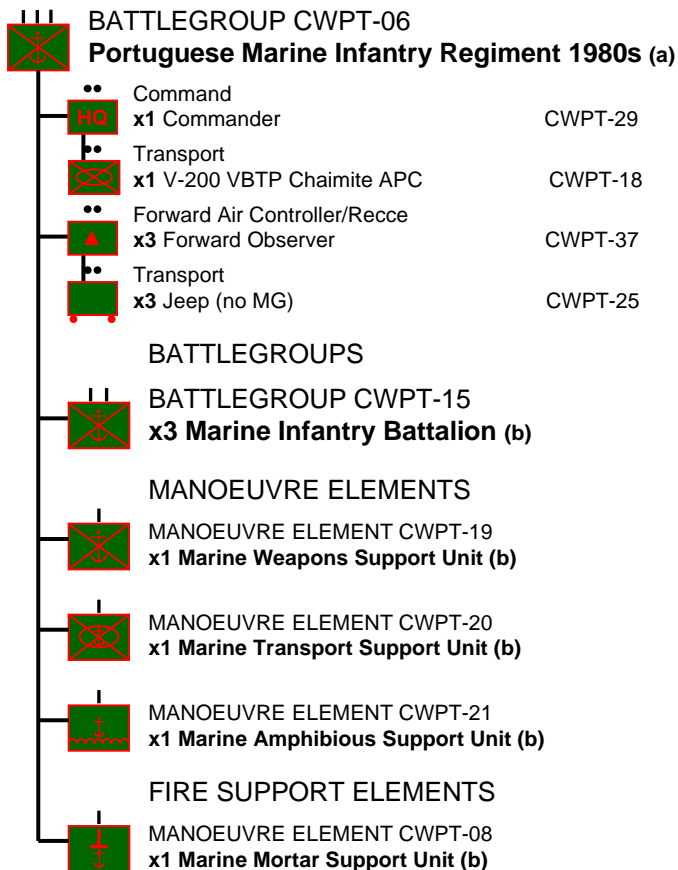


(a) The four Portuguese Military Regions were brigade-sized, administrative holding and training formations and were not really field manoeuvre formations. Northern Region (HQ at Porto) had **x3** Infantry Regiments, **x1** Cavalry Regiment, **x1** Independent Cavalry Squadron, **x1** Artillery Regiment and **x1** Engineer Regiment. Central Region (HQ at Coimbra) had **x1** Cavalry Regiment, **x4** Infantry Regiments and **x1** Independent Cavalry Squadron. Southern Region (HQ at Évora) had **x3** Infantry Regiments, **x1** Cavalry Regiment and **x1** Independent Cavalry Squadron. Lisbon Region was something of a reserve formation and had mostly permanently-manned units under command: it had **x1** Infantry Regiment, **x1** Artillery Regiment, **x1** Air Defence Artillery Regiment, **x1** Coastal Artillery Regiment and **x1** Engineer Regiment. The Military Regions supplied units on rotation to the 1st Mixed Brigade and would in wartime have formed the nuclei of the projected 2nd, 3rd and 4th Mixed Brigades.



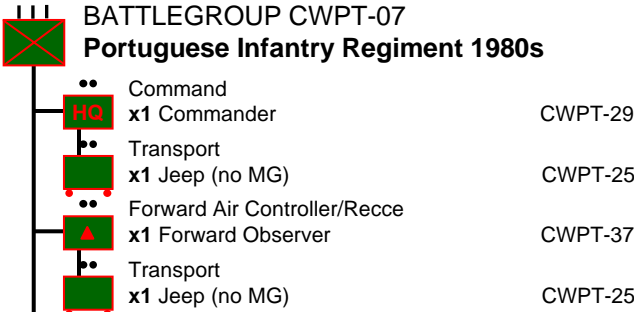
(a) The Portuguese Atlantic island provinces of Madeira and the Azores were each designated as Military Zones.

(b) The Madeira Military Zone had **x1** Infantry Regiment, while the Azores Military Zone had **x2** Infantry Regiments under command.



(a) The Portuguese Marine Regiment (*Fuzilheiros Navais Regiment*) came under command of the Navy and was permanently established in peacetime.

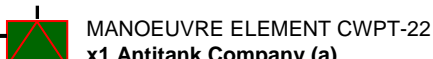
(b) The Marine Infantry Battalions had no organic heavy weapons or transport elements. They would draw heavy weapons and transport as attachments as required from the regimental support companies.



**BATTLEGROUPS**



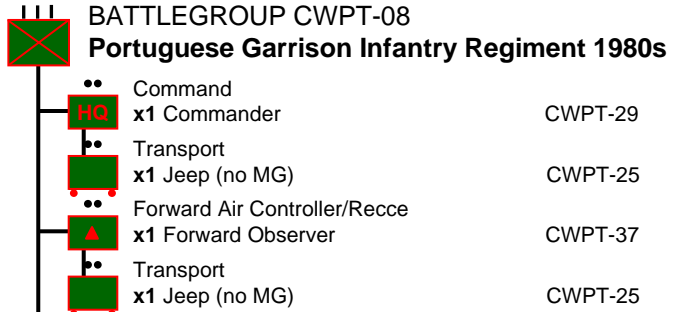
**MANOEUVRE ELEMENTS**



**FIRE SUPPORT ELEMENTS**



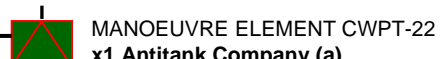
(a) In peacetime, only the 1st Battalion in each regiment was operational and was often at reduced strength, with only **x1** or **x2** Companies fully-manned. The 2nd Battalion served as the regimental training unit in peacetime. The support companies would similarly be on minimal manning, with maybe one platoon in each company fully manned. Additionally, elements of the regiment might be rotated out to serve in the 1st Independent Mixed Brigade.



**BATTLEGROUPS**



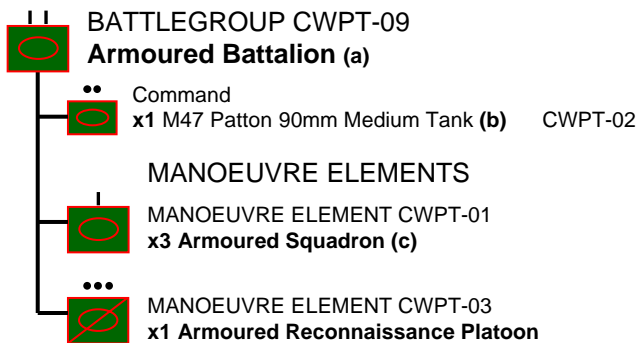
**MANOEUVRE ELEMENTS**



**FIRE SUPPORT ELEMENTS**



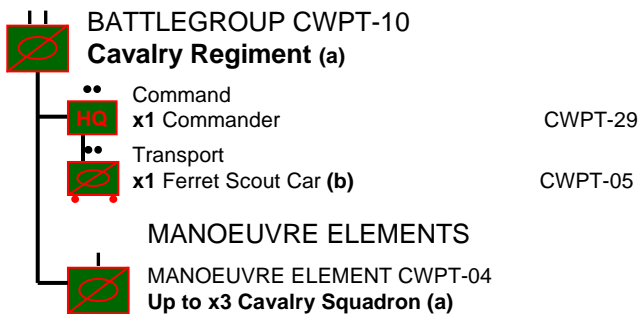
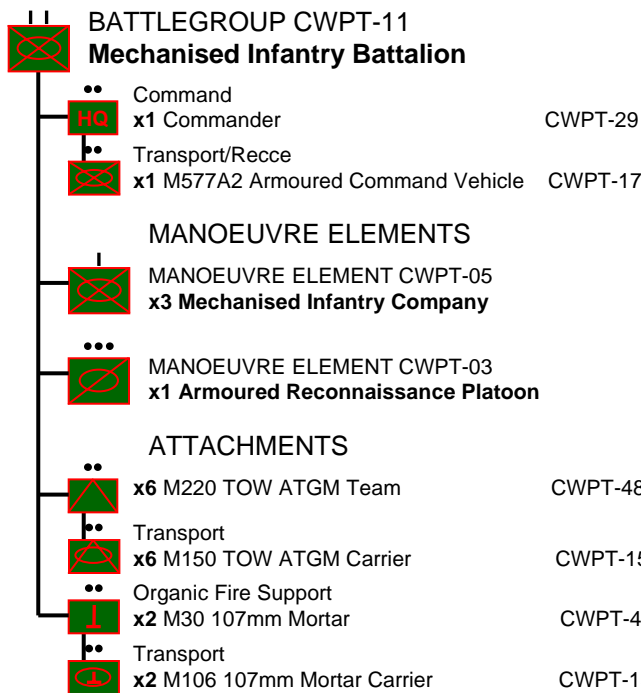
(a) In peacetime, only the 1st Battalion in each regiment was operational and was often at reduced strength. The 2nd Battalion served as the regimental training unit in peacetime. The support companies would similarly be on minimal manning, with maybe one platoon in each company fully manned.



**(a)** For most of the 1980s, the Portuguese only had one Armoured Battalion, serving with the 1st Mixed Brigade. By 1989, sufficient tanks had been supplied to Portugal by the USA to form a second battalion, as part of a 2nd Mixed Brigade.

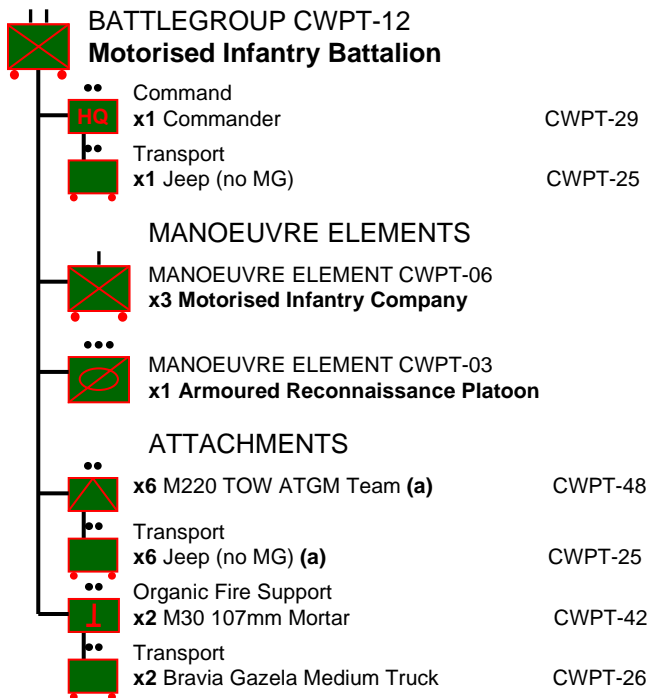
**(b)** Early 1980s: Replace command M47 tank with:  
 M48A5 Patton 105mm Medium Tank CWPT-03

**(c)** The whole regiment was initially equipped with M47 Patton tanks. Then in the early 1980s, the USA supplied enough M48A5 tanks to re-equip **x2** Squadrons (and the Brigade Cavalry Squadron) by 1985. By 1989, the whole regiment was equipped with M48A5 tanks and there were enough M48A5 left over to form another **x2** Squadrons (plus **x3** Squadrons of M47 tanks).

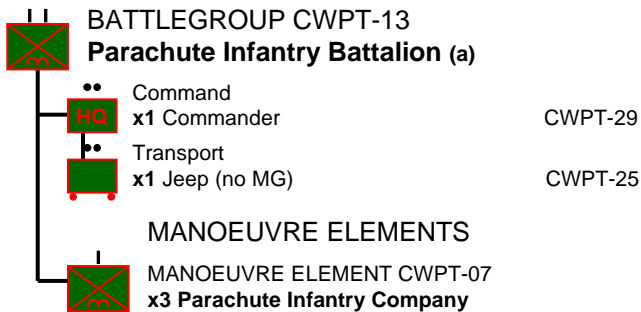


**(a)** In peacetime, the three Portuguese Cavalry Regiments each maintained only a single squadron at full strength. These cavalry regiments were equipped with armoured cars, though functioned in the manner of armoured units, rather than as recce units. They would supply personnel on rotation to the Armoured Battalions of the Independent Mixed Brigades.

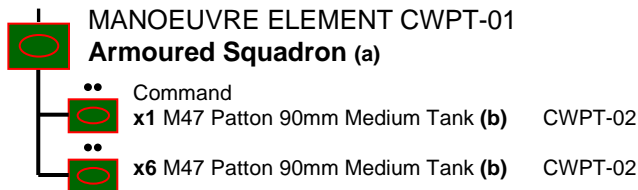
**(b)** It would appear that one regiment operated with British Ferret & Saladin vehicles, while another operated with Panhard EBR-type vehicles and the third used Panhard AML-type vehicles. May therefore replace Commander's transport in the AML-equipped regiment with:  
 Panhard M3 Armoured Personnel Carrier CWPT-11  
 Or in the EBR-equipped regiment with:  
 EBR-ETT Armoured Personnel Carrier CWPT-08



**(a)** M220 TOW ATGMs may be fired from Jeeps when mounted.



(a) Heavy support weapons were pooled at Brigade level and would be attached on a mission basis.

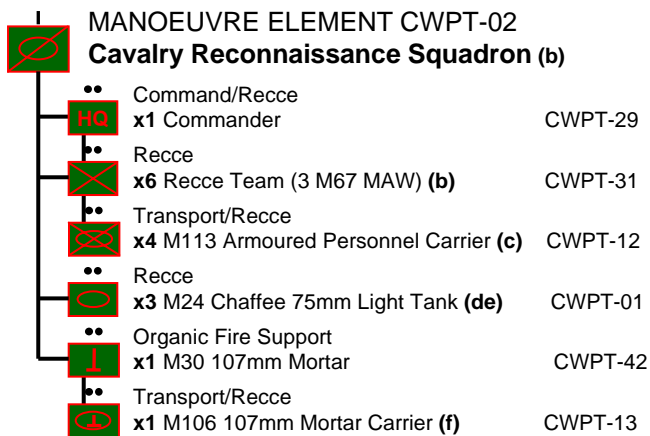


(a) May alternatively deploy the company as three platoon-sized MEs, each of **x2** tanks. Designate one tank in each platoon ME as the Platoon Commander.

(b) From early 1980s: May replace M47 tanks in some units with:  
 M48A5 Patton 105mm Medium Tank CWPT-03



(a) Commandos are very lightly equipped. There are therefore no heavy support weapons.



(a) May alternatively deploy the squadron as three platoon-sized MEs, each of **x2** Recce Team (1 MAW), **x1** APC and **x1** tank. Designate one Recce Team in the platoon ME as the Platoon Commander.

(b) Mid 1980s: Replace M67 90mm MAW with Carl Gustav 84mm MAW (see card).

(c) M113 variants were only used by the Independent Mixed Brigades. May therefore replace transport in other units with one of the following options:

- x3** EBR-ETT Armoured Personnel Carrier CWPT-08
- x3** Panhard M3 Armoured Personnel Carrier CWPT-11
- x7** Jeep (with HMG) CWPT-25

(d) In 1st Mixed Brigade during early 1980s: Replace M24 Chaffee Light Tanks with:

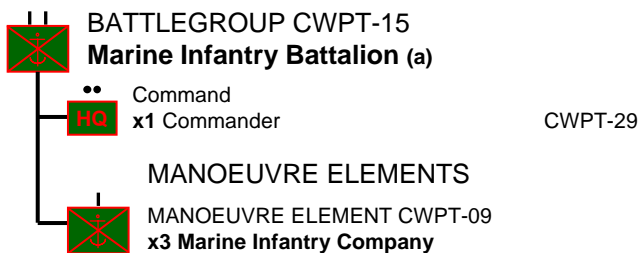
- M48A5 Patton 105mm Medium Tank CWPT-03

The Chaffees remained in service with the Portuguese Army until 1990, so were probably passed on to another squadron. The theoretical 2nd Mixed Brigade would probably also have had M48A5 in its Cavalry Recce Squadron.

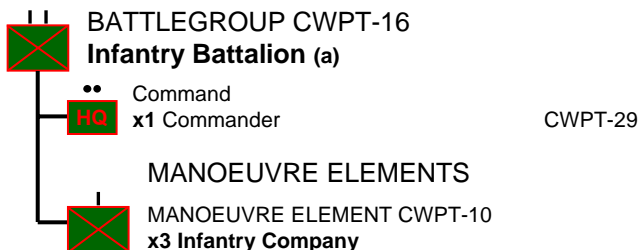
(e) There were only enough M24 Chaffees in the Portuguese to form a single squadron. The other squadrons in the Army probably used armoured cars. May therefore replace M24 Chaffee with:

- Saladin 76mm Armoured Car CWPT-06
- EBR-75 75mm Armoured Car CWPT-07
- AML-90 90mm Armoured Car CWPT-10

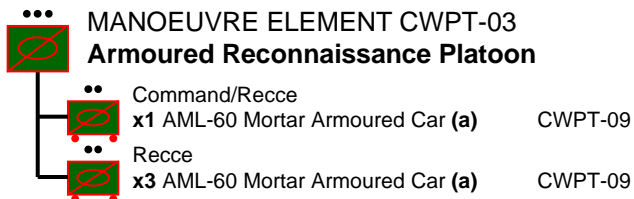
(f) As discussed above, M113 variants were only used by the Mixed Brigades. Therefore, in other units, replace mortar transport with:  
 Bravia Gazela Medium Truck CWPT-26



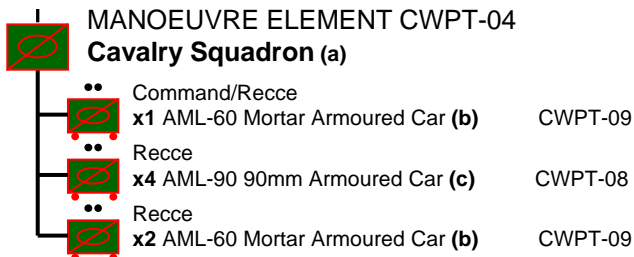
(a) Heavy support weapons and vehicles were pooled at Regimental level and would be attached on a mission basis.



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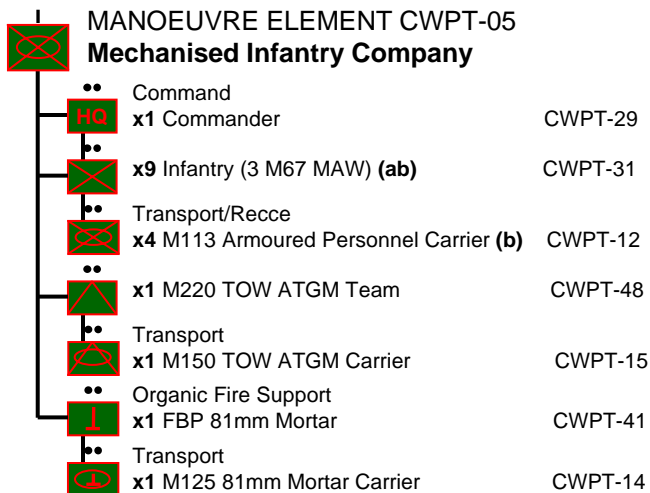
(a) One source suggests that the Motorised Infantry Battalions used Ferret Scout Cars. May therefore replace AML-60 with:  
 Ferret Scout Car CWPT-05



(a) May alternatively deploy the squadron as three platoon-sized MEs, each of **x2** vehicles. Designate one vehicle in the platoon ME as the Platoon Commander.

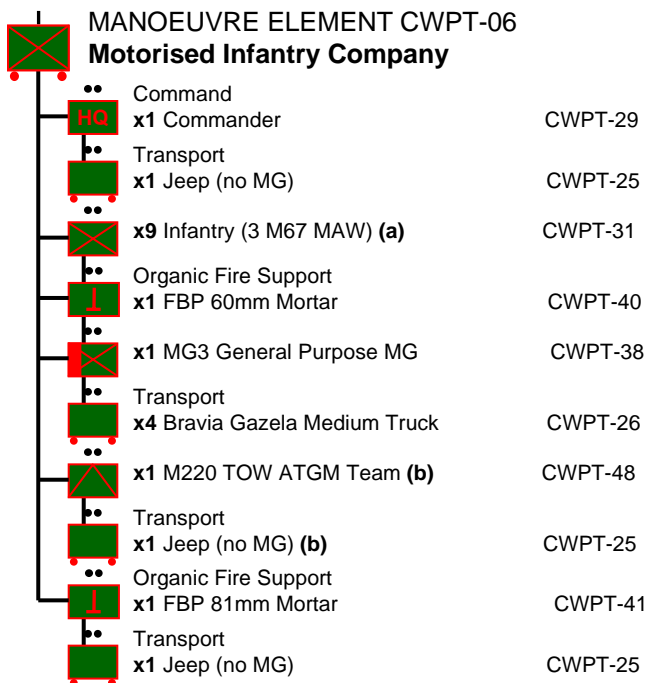
(b) May replace AML-60 armoured cars with:  
 Ferret Scout Car CWPT-05  
 EBR-ETT Armoured Personnel Carrier CWPT-08

(c) May replace AML-90 armoured cars with:  
 Saladin 76mm Armoured Car CWPT-06  
 EBR-75 75mm Armoured Car CWPT-07



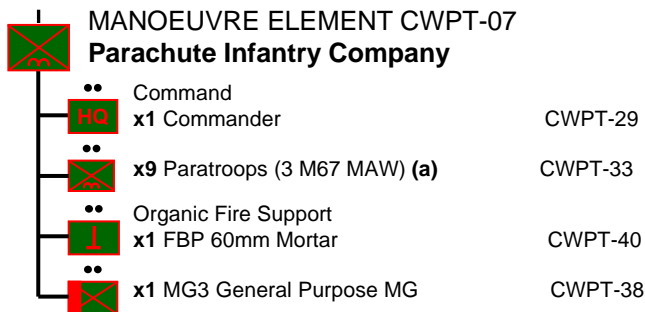
(a) Mid 1980s: Replace M67 90mm MAW with Carl-Gustav 84mm MAW (see card).

(b) May alternatively dismount the antiaircraft HMGs from **x1** M113 APC unit. Treat that M113 as unarmed (use M577 fire stats) and exchange **x1** Infantry unit for:  
 M2 12.7mm Heavy Machine Gun CWPT-39

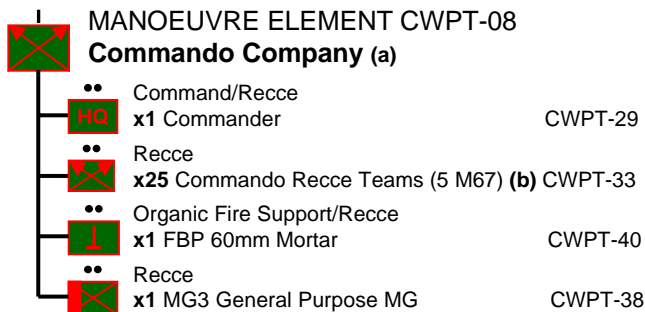


(a) Mid 1980s: Replace M67 90mm MAW with Carl-Gustav 84mm MAW (see card).

(b) M220 TOW ATGMs may be fired from Jeep when mounted.

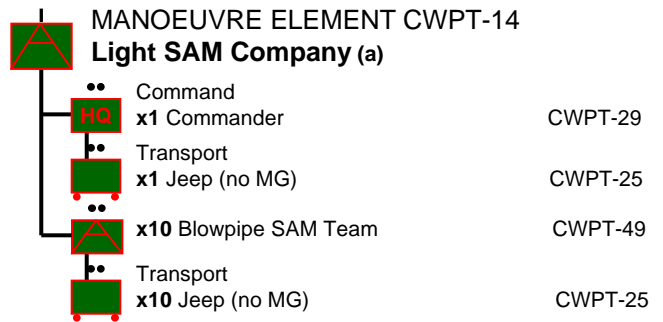
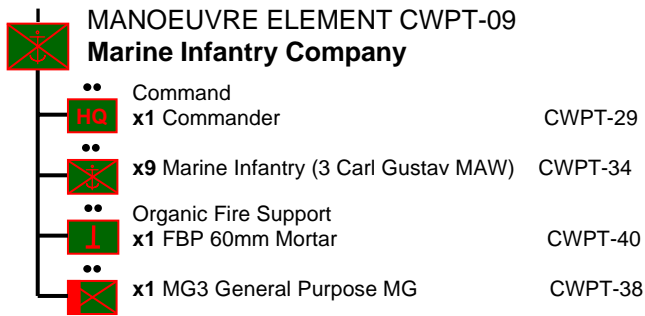


(a) Mid 1980s: Replace M67 90mm MAWs with Carl Gustav 84mm MAWs (see card).

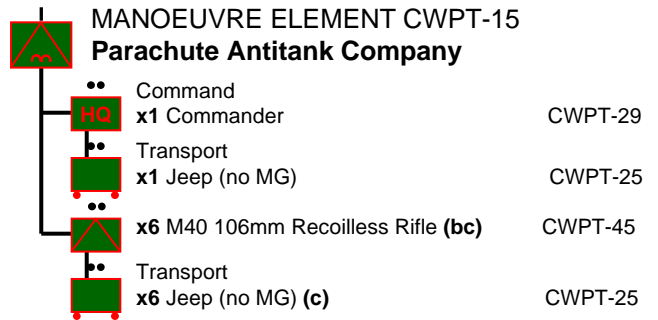
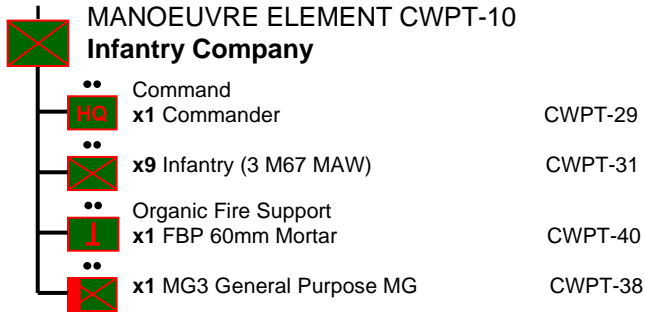


(a) The company may alternatively be deployed as five platoon-sized MEs. Designate one Commando Team in the platoon ME as the Platoon Commander.

(b) Late 1980s: May replace M67 90mm MAWs with Carl Gustav 84mm MAWs (see card).



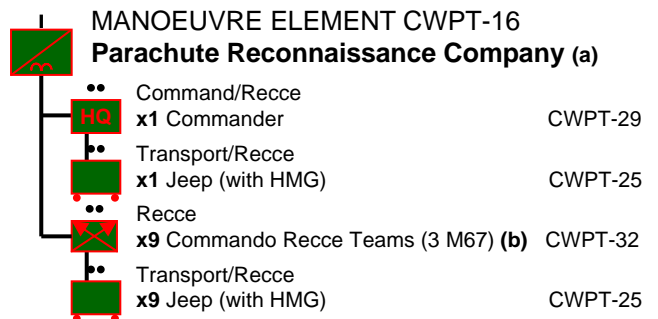
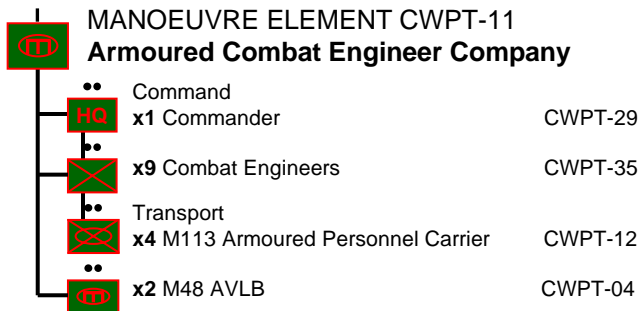
(a) The company may be split up as individual unit attachments.



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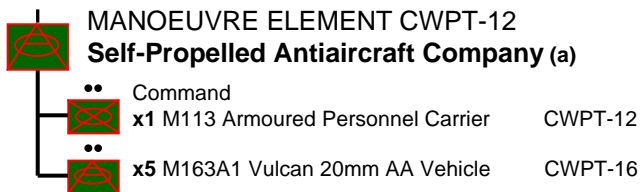
(b) Mid-1980s: Replace M40 106mm Recoilless Rifles with: Milan ATGM Team (c) CWPT-46

(c) Recoilless rifles & ATGMs may be fired from Jeeps when mounted.

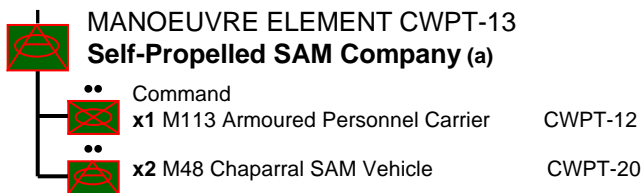


(a) The company may alternatively be deployed as three platoon-sized MEs, each of **x3** Recce Team (1 MAW) and **x3** Jeep. Designate one Recce Team in each platoon ME as the Platoon Commander.

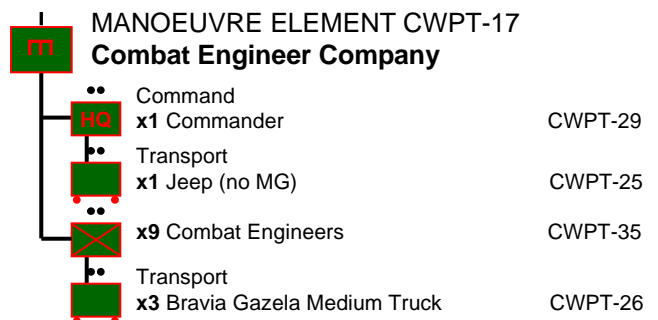
(b) Mid 1980s: Replace M67 90mm MAW with Carl-Gustav 84mm MAW (see card).



(a) The company may be split up as individual unit attachments.



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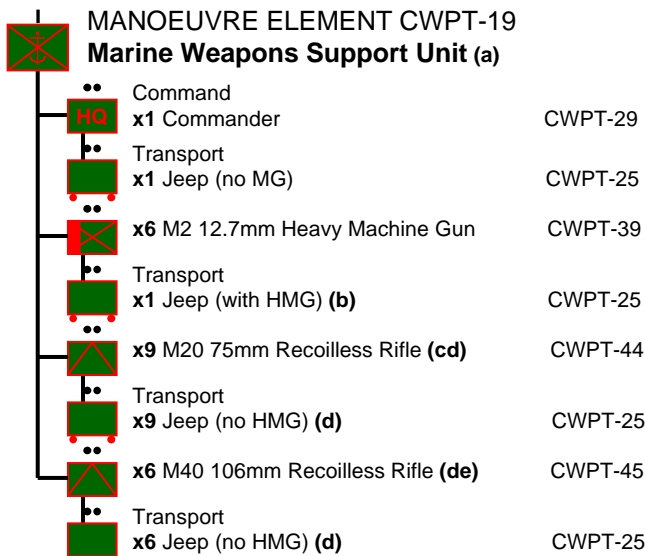




(a) The company may be split up as individual unit attachments.

(b) The permanently-manned Air Defence Artillery Regiment of the Lisbon Military Region was equipped with:  
 FK20-2 Twin 20mm Antiaircraft Gun CWPT-23

(c) A few units were equipped with obsolete weapons:  
 M55 Quad 12.7mm Antiaircraft Gun CWPT-22



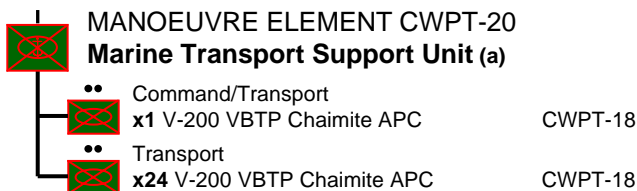
(a) The company may be split up as individual unit attachments.

(b) The Jeeps are unarmed when the HMG are dismantled.

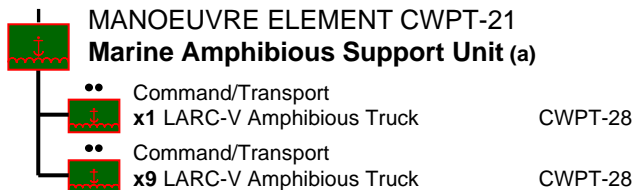
(c) The 75mm recoilless rifles will normally be attached, one each to the Marine Infantry Companies.

(d) Antitank weapons may be fired from Jeeps when mounted.

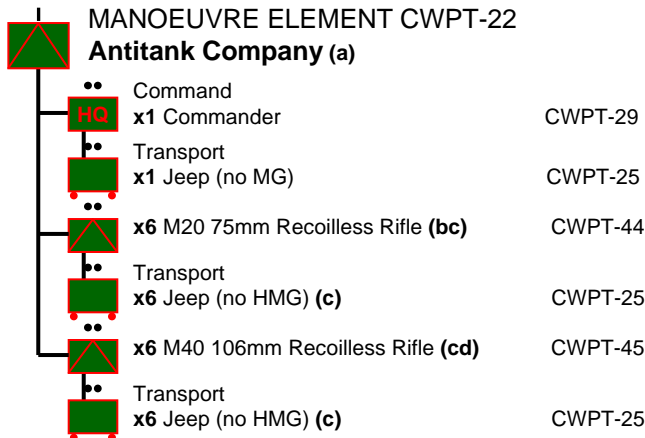
(e) Late 1980s: Replace 106mm Recoilless Rifles with:  
 Milan ATGM Team CWPT-46



(a) The unit may be split into x6 detachments, each of x4 Chaimite APCs, to be attached directly to Marine Infantry Companies, as required.



(a) The unit may be split into x3 detachments, each of x3 LARC-V APCs, to be attached directly to Marine units as required.

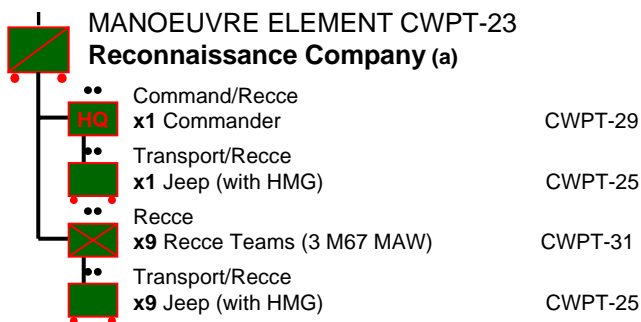


(a) The company may be split up as individual unit attachments.

(b) The 75mm recoilless rifles will normally be attached, one each to the regiment's Infantry Companies.

(c) Antitank weapons may be fired from Jeeps when mounted.

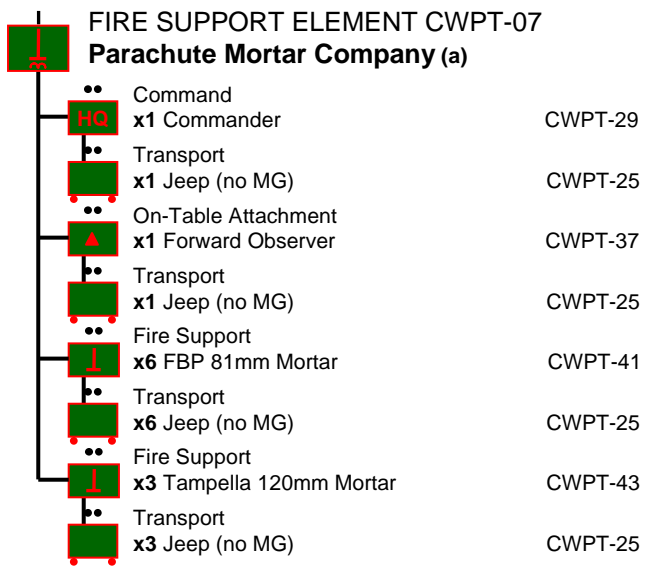
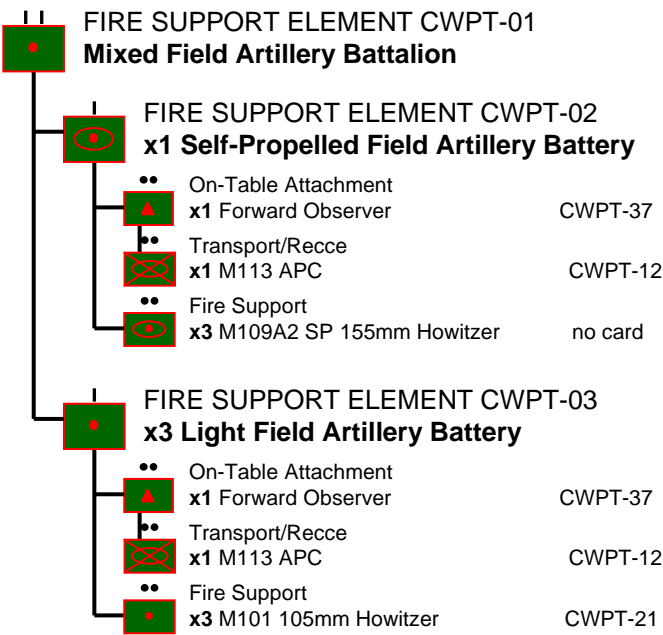
(d) Approximately three companies in the army were equipped with ATGMs. May therefore replace M40 106mm Recoilless Rifles with:  
 SS-11 ATGM Team (c) CWPT-47  
 In the late 1980s, one or two units received modern ATGMs:  
 Milan ATGM Team (c) CWPT-46



(a) The company may alternatively be deployed as three platoon-sized MEs, each of x3 Recce Team (1 MAW) and x3 Jeep. Designate one Recce Team in each platoon ME as the Platoon Commander.



(a) The unit may be attached directly to other units as required.

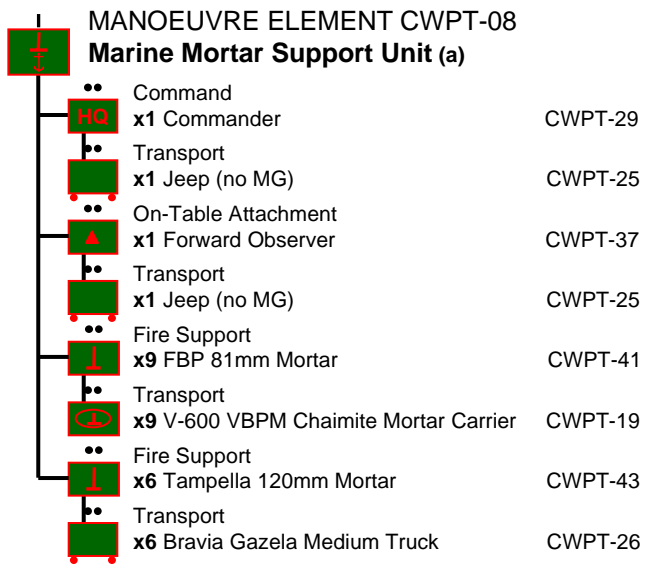


(a) The 81mm Mortars would normally be distributed, two each to the brigade's Para Battalions.

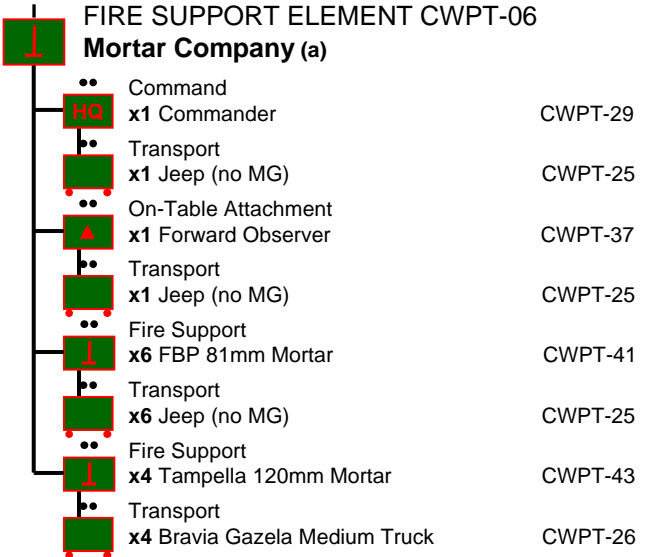


(a) These 120mm Guns are in fact, WW2-era British BL 5.5-inch Guns.

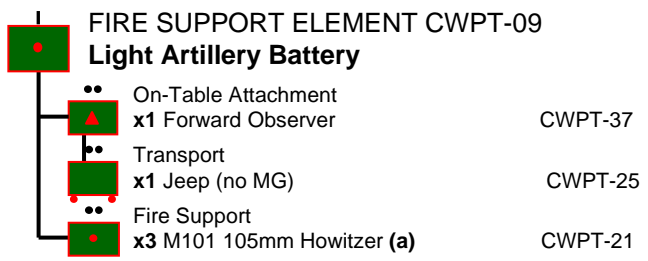
(b) Late 1980s: Replace 120mm Guns with: M114 155mm Howitzer no card



(a) The 81mm Mortars would normally be distributed, one each to the regiment's Infantry Companies. The 120mm mortars would either be held as an integral company, or would be split between the Infantry Battalions.



(a) The 81mm Mortars would normally be distributed, one each to the regiment's Infantry Companies. The 120mm mortars would either be held as an integral company, or would be split between the Infantry Battalions.



(a) Late 1980s: In some units, may replace M101 105mm Howitzers with: M56 105mm Pack Howitzer CWPT-36

## Portuguese Air Force Support

### Dual-Role Fighter-Bombers

x20 G-91 R/3 'Gina' Fighter-Bomber CWPT-52  
x10 G-91 R/4 'Gina' Fighter-Bomber CWPT-53

### Ground-Attack Aircraft

x18 A-7P Corsair II Ground-Attack Aircraft CWPT-51

### Helicopters

x18 Alouette III Light Observation Helicopter CWPT-50

## Portuguese Card List & Model Availability

(Annotations 'QRF' = QRF Models, 'SOG' = Skytrex/Old Glory, 'PP', = Peter Pig, 'QC' = Quality Castings/Old Glory 15s, 'FoW' = Flames of War)

CWPT-01	M24 Chaffee 75mm Light Tank	QRF
CWPT-02	M47 Patton 90mm Medium Tank	QRF
CWPT-03	M48A5 Patton 105mm Medium Tank	
CWPT-04	M48 AVLB	
CWPT-05	Ferret Mk 4 Scout Car	QRF
CWPT-06	Saladin 76mm Armoured Car	QRF
CWPT-07	EBR-75 75mm Armoured Car	QRF
CWPT-08	EBR-ETT Armoured Personnel Carrier	
CWPT-09	AML-60 60mm Mortar Armoured Car	PP
CWPT-10	AML-90 90mm Armoured Car	PP
CWPT-11	Panhard M3 Armoured Personnel Carrier	
CWPT-12	M113 Armoured Personnel Carrier	QRF, SOG, PP
CWPT-13	M106 107mm Mortar Carrier	QRF
CWPT-14	M125 81mm Mortar Carrier	QRF
CWPT-15	M150 TOW ATGM Carrier	QRF, SOG
CWPT-16	M163A1 Vulcan 20mm AA Vehicle	QRF, PP
CWPT-17	M577A2 Armoured Command Vehicle	QRF, SOG, PP
CWPT-18	V-200 VBTP Chaimite Armoured Personnel Carrier (.50 Cal)	QRF (use Commando APC)
CWPT-19	V-600 VBPM Chaimite 81mm Mortar Carrier (.30 Cal)	
CWPT-20	M48 Chaparral SAM Vehicle	QRF
CWPT-21	M101 105mm Howitzer	QRF, SOG, FoW
CWPT-22	M55 Quadruple .50 Cal AA Gun	
CWPT-23	FK20-2 Twin 20mm AA Gun	
CWPT-24	Bofors L60 40mm AA Gun	QRF, SOG, FoW
CWPT-25	Jeep (.50 Cal option)	QRF, SOG, PP, FoW
CWPT-26	Bravia Gazela Medium Truck	
CWPT-27	Bravia Pantera Heavy Truck	
CWPT-28	LARC-V Amphibious Truck	
CWPT-29	Commander	QRF (use West German Infantry)
CWPT-30	Infantry (M67 90mm or Carl Gustav 84mm MAW)	QRF
CWPT-31	Reconnaissance Team (M67 90mm or Carl Gustav 84mm MAW)	QRF
CWPT-32	Commando Recce Team (M67 90mm or Carl Gustav 84mm MAW)	QRF
CWPT-33	Paratroops (M67 90mm or Carl Gustav 84mm MAW)	QRF
CWPT-34	Marines (M67 90mm or Carl Gustav 84mm MAW)	QRF
CWPT-35	Engineers (M67 90mm or Carl Gustav 84mm MAW)	QRF
CWPT-36	M56 105mm Pack Howitzer	QRF (in British range)
CWPT-37	Forward Observer	QRF
CWPT-38	MG42/59 General-Purpose Machine Gun	QRF
CWPT-39	M2 .50 Cal Heavy Machine Gun	QRF, SOG, FoW, PP
CWPT-40	FBP 60mm Mortar	QRF (use US)
CWPT-41	FBP 81mm Mortar	QRF
CWPT-42	M30 107mm Mortar	QRF
CWPT-43	Brandt/Tampella 120mm Mortar	
CWPT-44	M20 75mm Recoilless Rifle	QRF, PP
CWPT-45	M40 106mm Recoilless Rifle	QRF, PP
CWPT-46	Milan Light ATGM Team	QRF
CWPT-47	SS-11 Heavy ATGM Team	
CWPT-48	M220 TOW Heavy ATGM Team	QRF (in Israeli range)
CWPT-49	Blowpipe SAM Team	
CWPT-50	Alouette III Observation Helicopter	Heller
CWPT-51	A-7P Corsair II Ground-Attack Aircraft	Tamiya
CWPT-52	G-91 R/3 'Gina' Ground-Attack Aircraft	Heller, Revell
CWPT-53	G-91 R/4 'Gina' Ground-Attack Aircraft	Heller, Revell