

O folha de cálculo está aberta a comentários. É possível inserir comentários em qualquer célula carregando na célula com o botão direito do rato.

Algumas notas prévias:

- O jogo apenas representa material autopropulsado. Em alguns casos, abstrai-se a motorização de armas fixas ou rebocadas (por exemplo, mísseis anti-aéreos de longo alcance Hawk), mas na maioria dos casos (p.e artilharia rebocada) não são representados.
- Cada modelo tem armamento fixo, associado à sua data de entrada. Isto tem particular impacto em infantaria e aeronaves, pelo que procurei a maior diferenciação e efectividade possível. Por exemplo, o Corsair tem a data de 1994 dado que esta foi a data de entrada a serviço dos Maverick G. Esta é também a razão da minha separação dos dois modelos de M48 - o modelo Americano, dado entrar a serviço em 84, terá acesso a munição mais avançada.
- A capacidade dos veículos de carga não corresponde à sua capacidade real, mas apenas um logístico abstracto e relativo - um HEMTT Americano tem 2400, e um Mi-26 Russo tem 6000.
- Nomes abstractos para infantaria são preferíveis - daí a minha não referência a regimentos individuais. Um exemplo de uma lista de infantaria típica: <http://i.imgur.com/ghbNSLn.jpg>
- A infantaria de linha está estandardizada (com algumas excepções) a 10 homens, com armas individuais, uma arma anti-carro e uma metralhadora ligeira ou DMR. Equipas de armas têm 2 a 5.
- Cada unidade tem o máximo de três armas.

E obrigado.

DLC					
WIPAC MIRA APC		1981	CMD APC	2/0/1/4	Command vehicle, adopted in the late 70's along with the APC and a rebadged M113 variant.
WIPAC APC		1981	CMD Wheeled APC	2/0/1/4	Command version, in service of the Polícia Aérea (Air Police), but also includes ground-based force protection and is used for patrol duties, but have also been used in international deployments.
WIPAC APC		1977	CMD Truck	5/0/1/4	Unspecialised vehicle, but used by armoured battalion commanders nonetheless. Follows set procedure of unspecialised, low for command tanks.
150mm MB	MG Browning	Regular	CMD Infantry	1971	Command infantry, standard armament and transport.
150mm MB	MG 42/M2	96 S		1964	The main large workhorse of the Colonial Wars, built locally at Transvaal, hence the name. A 5000kg cargo truck.
150mm MB	MG 42/M2	170th		1964	As already featured in Dutch roster: 4000kg cargo truck.
150mm MB	MG 42/M2	1971		1971	Continuing the tradition of lineage in the Portuguese Army. This version was adopted in 1979.
150mm MB	MG 42/M2	1960		1960	Portugal was one of the earliest Puma customers, adopting them in 1960 to provide heavier longer ranged lifting than could be done by the existing Alouette. (both cargo, transport, a lot later SAM, the Puma served in all imaginable roles into the 21st century).
Command					
MIRAL MUTT		1979	CMD Jeep	0/0/0/0	Often equipped with radios for command purposes.
V 500 APC	Proto	?	CMD Wheeled APC	1/1/1/1	Prototype command vehicle, never adopted, although there's verifiable claims at least one service V 200 was modified by the army into a similar command configuration. Could not find a picture of the prototype or the modified version.
MICRO 90-13 WM	80th	1991	Med Cargo Truck	0/0/0/0	Very likely to arrive with an Italian DLC.
MERCEDES BENZ L170A	Proto	1993	Med Cargo Truck	0/0/0/0	A more modern, heavier offering.

M2					
ADJUSTER M		1962	Infantry tank	5/10/73	GP 120D - the base version. The rotating light helicopter of the Air Force, used for all roles (magazine - even for an ambulance team).
ADJUSTER M-2E	France	1960	Self-Propelled	5/10/70	Head helicopter. Portuguese specific version. Created service in 1960. Based on the M42, with Bendis radar in underside radome, dipping sensor but no FLK.
ADJUSTER M-2E		1946	Infantry tank	5/10/70	Head-mounted GMR-1008 search and surveillance radar.
ADJUSTER M-2E		1960		5/10/70	Side saddle military vehicle used by both the army and the paramilitary Legião Portuguesa.
ADJUSTER M-2E		1960		5/10/70	An indigenous Portuguese off-road of legendary, Daimler proven durability.
ADJUSTER M-2E		1978	Jeep truck	5/10/70	A follow to the base but with different platform that vehicles in such a small country.
ADJUSTER M-2E		1980		5/10/70	The jeep of the free world. Acquired in 1978.
ADJUSTER M-2E		1980		5/10/70	Scamper's front-end bump, finally in Weingart. Acquired in 1980 for the paratroopers. Stock configuration, mounting a 40mm G. or an M2 Browning.
ADJUSTER M-2E		1961	Self-propelled	5/10/70	Locally modified version. Add an actual seat for the gunner, a MILAN launcher for use along with the primary weapon, missile rails in the rear, and an L17 for the passenger.
ADJUSTER M-2E		1962		5/10/71	M42 G2 version, later supplemented by some newly identical South African G2nd M42s.
ADJUSTER M-2E		1960	Infantry tank	5/10/71	Used as those vehicles, with the gunner's equipment for direct fire support in the African theater, a role it was successful at.
ADJUSTER M-2E		1960		5/10/71	Equip M42, acquired in 1960. Mounted an M2 Browning (non-optional) 7.62mm-equipped ones were acquired GDF's.
ADJUSTER M-2E		1960		5/10/71	Mounted a MILAN launcher and an M1028 Browning. Acquired in 1980.
ADJUSTER M-2E		1978			
ADJUSTER M-2E		1985			
ADJUSTER M-2E		1991			
ADJUSTER M-2E		1993			
ADJUSTER M-2E		1995			
ADJUSTER M-2E		1977	Armoured Rec.	5/10/71	Was also in use in some platoons.
ADJUSTER M-2E		1972		5/10/72	As per above. Very Good optics, in line with the American Sheridan T10.
ADJUSTER M-2E		1990	Self-Propelled	5/10/71	V4 with a self-aimed radar (and an M1028). Arrived only with the third batch of V4s in the late 80s, but was apparently on order since the initial 1980 batch.
ADJUSTER M-2E		1967	Infantry tank	5/10/70	Portugal's first true helicopter tank, following a single SAR identity to US. Base version.
ADJUSTER M-2E		1982		5/10/71	More British gun offered in our shows. Survived in service at least until the 90s, though M42 use also rumored to have fought in Africa.
ADJUSTER M-2E		1965	Infantry tank	5/10/71	Yet another ghost unit, rumored to have fought in the African theater along with their gun mortar armed brethren. Could not obtain confirmation, however.
ADJUSTER M-2E		1967		5/10/71	Disciple armored car, acquired from Canada in 1967. Used right up to the end of the Colonial Wars.

M260 (not tracked)					
UMMOG UBB00		1979	Truck	05/0/06	Continuing the tradition of Unimogs in the Portuguese Army. This version was adapted in 1979.
M260	M260A1	1977		1/5/71/1	The good '69 car. Available in A1 (77), A2 (heavily vehicles only) and A3 (76) versions.
M2 Browning	M260A1	1990	Tracked APC	2/5/71/1	
M2 Browning	MINIAGU 171	1990		2/5/71/1	APC version of the 1961, made exclusively for Portugal. Essentially a modified AMX-11 VTT hull on the 1961's chassis, with a different transmission.
M260 Browning	3x MAC 31	1967		1/5/71/1	The most iconic Portuguese Army vehicle of the 20th century. An indigenous wheeled APC based on the Cadillac Gage Commando.
M2 Browning	60mm grenade launcher	1967	Wheeled APC	1/5/71/1	Of note the V-200 was the only version adapted. Numerous sources mention the V-400 mortar carrier and V-700 missile carrier as being in service, but those are, in fact, base V-200s modified by the Army.
M2 Browning	V-200 (M260) 60mm	7		1/5/71/1	Fuel tank located above, spalling engine over 100mm sand-filled hatches. Information on the vehicle is scarce and mostly incorrect, a number of them were slightly more "trenchable" with rollers of the same caliber.
M2 Browning	80mm mortar	1982		2/5/71/1	Both the hatches and rollers are of an indigenous design, but I've been unable to find any information on them beyond the fact they are UGAs. La Liga Graciosa Engineers, or in English, H&C, and thus, direct line.
M2 Browning	80mm mortar	1982		2/5/71/1	Same as on the 80mm mortar carrier - a series 801 (and one down toward to register or at least equipment the 1961, but which, predictably, turned out to be for most of that).
75 mm LS41	M1210M4 Browning	1961		05/0/06	In service since time immemorial, still in being during late IIR.
M48 Hercules rifle	88F (M260)	7		2/5/71/1	Chemical service vehicle mounting a 60mm low-pressure cannon aimed to a SCORPION day/night sight. Not adapted for service.
M48 Hercules rifle	V-400	7	Fire Support	2/5/71/1	Several prototypes were tested with different turrets, including the Hispano-Suiza Lora 90 turret (as seen in the AMG-50 and SDC-60) and a M260M gunner.
M48 Hercules rifle	V-400 (M260)	1969		2/5/71/1	The V-400 was not adapted because it couldn't fit in a reference tank of that size. The fire support version of the V-400 was adapted - the same vehicle the Osbourne originally derived from.
M48 Hercules rifle	V-400 (M260)	1969		13/3/02	A move that ensured the continuity of the 1961's heavy mortar role, but likely put the seat next to BRANIA's coffin. Could also be placed in the M260 role.
M48 Hercules rifle	M260 (M260)	1982		05/0/06	Combat engineering vehicle, equipped along with M260-based AMVs and M260s, benefiting from platform commonality with the newly acquired M260.
M48 Hercules rifle	M260 (M260)	1982		05/0/06	The cheapest vehicle ever known to man to kill a T-72 main battle tank.
M48 Hercules rifle	M260 (M260)	1982		05/0/06	Ditto.
M48 Hercules rifle	M260 (M260)	1982		05/0/06	Ditto.
M48 Hercules rifle	M260 (M260)	1982	Step ATDM Carrier	05/0/06	ATDM platform, mounted on an indigenous Portuguese off-road of legendary Dakar-proven durability.
M48 Hercules rifle	M260 (M260)	1982		05/0/06	A tribute to the brave few who dared produce road vehicles in such a small country.
M48 Hercules rifle	M260 (M260)	1982		05/0/06	The Cavalry's command.
M48 Hercules rifle	M260 (M260)	1982		05/0/06	Army-modified version of the base V-200, mounting SC-11 missiles. I was unable to find any pictures. Phased out around the mid-80s.
M48 Hercules rifle	M260 (M260)	1982	Wheeled ATDM Carrier	1/5/71/1	BRANIA prototype tank destroyer mounting twin HOF or Searlight hatches. Not adapted, and wasn't able to find any pictures.
M48 Hercules rifle	M260 (M260)	1982		1/5/71/1	Acquired in 1960 - a pretty 4-wheeler. The Army thus really only on M260 hatches mounted on M260s and other vehicles.
M48 Hercules rifle	M260 (M260)	1982	Tracked ATDM carrier	1/5/71/1	Sold as M260s, but Portugal never operated TDMs, only TDM-2s.
M48 Hercules rifle	M260 (M260)	1982		1/5/71/1	As per above: TDM-2, and combustion engine, in service since 1982.
M48 Hercules rifle	M260 (M260)	1982		1/5/71/1	In small numbers with the Austrians and retired probably very early in the timeline, but they were there.
M48 Hercules rifle	M260 (M260)	1982		1/5/71/1	Amphibious transport - a boat car, really. Designed for cargo transport, and also used as such, but... sometimes we have to make do.
M48 Hercules rifle	M260 (M260)	1982		05/0/06	An alternative offering to the M260 carrier.
M48 Hercules rifle	M260 (M260)	1982		1/5/71/1	UR-425 version. Operated by the Polícia Aérea (Air Police), the Air Force M260 but also includes ground-based force protection and SF units for patrol duties, but have also been used in international deployments. Share automotive parts with the Unimog, enhancing serviceability.
M48 Hercules rifle	M260 (M260)	1982		2/5/71/1	Same as above. Recycled from the Netherlands. Unsuitable to their task due to its size - but I can't think of a better use for them.

Year	Model	Notes	Reference
1961	SA 300C PUMA		
MC 12 2v/12	SA 300C PUMA		Transport unit
1968	SA 300C PUMA		
MC 12 2v/12	SA 300C PUMA		
1963	SUPER 100A MC 16		
MC 12 2v/12	SUPER 100A MC 16		
1964	HELVARIUM		
MC 12 2v/12	HELVARIUM		

1961/62 Frontal was one of the earliest Puma customers, adopting them in 1963 to provide heavier engine strength than could be done by the existing Alouette.

1968/69 From cargo transport, and later SAR, the Puma served in all major theatres into the 21st century.

1963/64 1000 registered versions, with the 1000A in regions. A few of the original night has been donated to South Africa for their Oryx. Night.

1963/64 Small helicopter, Portuguese specific version. Entered service in 1963. Based on the MC 12, with Borealis undercarriage, digging gear but no FSR.

1963/64 Only built in the 1000 series. 1000A SAR helo of course, including transport.

1964/65 Liberty "Helicopter" An Alouette II with a side mounted MC 121 sub-engine, an effective solution for air assault fire support during the Colonial Wars. Coloured "Tide mark" - big tail well.

The addition of rotor pack was useful, but proved unsuccessful. Unknown retirement date, but they were a service through to the end of the war.

This list was created by Broth3r for the purpose of adding Portugal to Wargame: Red Dragon.

Sources used:

SIPRI (Stockholm International Peace Research Institute) Arms Transfer Database

["Portugal's Guerrilla Wars in Africa: Lisbon's Three Wars in Angola, Mozambique and Portuguese Guinea 1961-74" by Al Venter](#)

["Flight Plan Africa: Portuguese Airpower in Counterinsurgency, 1961-1974" by John P. Cann](#)

[THE UNKNOWN WAR: PORTUGUESE PARATROOPERS IN AFRICA](#)

[EVOLUÇÃO DAS CAPACIDADES OPERACIONAIS DO SISTEMA DE ARMAS F-16 – DESAFIOS FUTUROS](#)

[Blindado Chaimite 4x4](#)

<http://www.operacional.pt/>

<http://www.areamilitar.net/>

<http://www.forumdefesa.com/>

<http://barcoavista.blogspot.pt/>

<https://www.facebook.com/Armamento-Militar-do-Ex%C3%A9rcito-Portugu%C3%AAs-453306668137871/>

<http://www.dafyp408.nl/>

<http://passarodeferro-operations.blogspot.pt/>

<http://walkarounds-blog.blogspot.pt/>

<http://balagan.info/>

http://ultramar.terraweb.biz/Livros/JornaldoExercito/EngenhariaMilitar_JE603Fev2011.pdf

Thanks to:

Name	Retirement date	Qty.	Notes
Kangaroo APC	early 60's	40 (4 in use)	Canadian ver.
M4A1 Sherman	between 70 and 74	50	Grizzly Sherman
M4A3 Sherman	70's	20	w/ HVSS
M4A3 (105)	70's	10?	w/o HVSS
M20 6x6 m/1952	?	3	Command vehicle
C15TA Granadeiro	post-73	29	M6 Mosegris!
M5	?	?	Half-track