



Luxembourg, 15 May 2019

“European Defence Capabilities: Strength and Weaknesses”

General (Ret) Mikhail Kostarakos

Former Chief of the Hellenic National Defence General Staff
Former Chairman of the EU Military Committee



PROTECTION

DEFENCE

**Joint EU-NATO Declaration
74 Common Actions**







Types of CSDP military operations outside the Union

- **Joint Crisis Management Operations**
- **Joint Stabilization Operations**
- **Military Rapid Response Operations**
- **Air Security Operations**
- **Maritime Security and Surveillance Operations**
- **Military Capacity Building through advisory, training mentoring, and monitoring/observation Missions**
- **Assistance provision in the context of global response to natural disasters and pandemics**



Illustrative Scenarios

- **Peace Enforcement**
- **Stabilization and support to capacity building**
- **Conflict prevention**
- **Rescue/Evacuation**
- **Support to humanitarian assistance**

Concurrencies

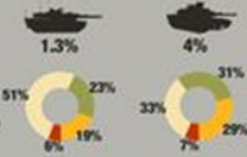
- **Rescue and Evacuation plus Peace Enforcement**
- **Rescue and Evacuation, plus Support to Humanitarian Assistance, plus Conflict Prevention plus Stabilization and Support to Capacity Building in 2 different areas**



Gross domestic product (GDP) in 2014



Investment in defence (share of GDP)



Total armed forces



Investment in equipment and research and development per soldier



Number of weapon systems for selected weapon categories



€500 million could be saved by EU countries by having the same ammunition certification system

Number of armoured personnel carriers



Number of types of armoured personnel carriers

€600 million could be saved by EU countries by sharing infantry vehicles

Number of tanker aircraft



Number of types of tanker aircraft

Number of combat aircraft



Number of types of combat aircraft

Sources:
OECD
European Commission
RUS
World Bank



europa.eu

European Armoured Fighting Vehicles (AFVs)

SHEPHARD

	Puma	Boxer	VBCI-2	Ajax	Griffon	Jaguar	Piranha 5
Manufacturer/s:	PSM (a JV of KMW and Rheinmetall)	ARTEC (a JV of KMW and Rheinmetall)	Neder	GD European Land Systems	Neder, Renault and Thales	Neder, Renault and Thales	GD European Land Systems
Type:	Tracked IFV	8x8 - APC, IFV, C2, ambulance, engineer, cargo, repair, driver training	8x8 - IFV, APC, fire support, command, mortar, anti-tank, ambulance, recovery, engineer	Tracked IFV - reconnaissance, troop carrier, command, recovery, repair	APC, ambulance, command, artillery observation	6x6 reconnaissance and fire support vehicle	8x8 - IFV, APC, EW, ambulance, command, reconnaissance, mortar, direct fire
Length:	7.3m	7.93m	<8m	7m	TBC	TBC	8m
Width:	3.7m	2.99m	<3m	3.2m	TBC	TBC	3m
Height:	3.1m to turret roof	2.37m to top of roof	<2.5m	1.8m to top of hull, 2.7m to top of IFV turret	TBC	TBC	2.3m over hull
Weight:	31.5-43t (Level A-C)	33t (combat)	32t including 13t payload	28t gross	24.5t	25t	30t gross
Max speed:	70km/h on road	103km/h on road	100km/h on road	70km/h on road	TBC	TBC	100km/h on road
Powerplant:	1,070hp diesel	530kW multi-fuel	Volvo D13 600hp diesel	MTU BV-183-TE22 8V-90 diesel (Piranha), MTU BV-199-TE20 8V-90 diesel (Ulan)	400hp Renault-Volvo diesel	TBC	576hp MTU diesel
Crew:	3 (driver, commander, gunner)	3 (driver, commander, gunner)	3 (driver, commander, gunner)	3 (driver, commander, gunner)	3 (driver, commander, gunner)	3 (driver, commander, gunner)	3 (driver, commander, gunner)
Passengers:	6 dismounts	8 dismounts	Up to 14 dismounts in other configurations	8 dismounts	8 dismounts in APC	TBC	11 as APC
Armament:	30mm Mk30-2/ABM cannon	Various RWS, manned and unmanned turrets	various turrets armed with weapons up to 105mm	40mm CTAS, one 7.62mm chain gun for Ajax variant	RCWS with 7.62mm MMG, 12.7mm HMG or 40mm AGL	40mm CTAS, one 7.62mm machine gun, MMP missiles	various pintle-mounted weapons, RWS and turrets

To view the complete entries, as well as all other AFVs currently in service, sign up to a free trial of Shephard Plus at www.shephardplus.com

CSDP Military Missions/Operations



EU Global Strategy Implementation Plan

- **Permanent Structured Cooperation (PESCO) → 34 projects**
- **Coordinated Annual Review on Defence (CARD)**
- **European Defence Fund (EDF) 2021-2027**
 - €4.1 billion for collaborative research**
 - €8.9 billion for collaborative capability development**
- **Military Mobility: €6.5 billion (2021-2027)**
- **European Peace Facility (EPF): €10.5 billion (2021-2027)**



Weaknesses

- **Complicated/time demanding decision making process**
- **Absence of a fully-fledged, European C² structure**
- **Absence of critical capabilities and enablers**
- **Multitude of different types of equipment**

Strengths

- **Determination to strengthen its defence capabilities**
- **Number of military capabilities already present**

