

DEFENCE KEY FIGURES

2016

EDITION



Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

MINISTÈRE
DE LA DÉFENSE

Defence figures 2015 - 2016

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Nota bene: the marginal difference that may exist in the totals is due to rounded figures.

Introduction

This brochure is a summary of the main figures concerning Defence. It presents the budget data, the number of personnel, the armed forces' equipment and the forces deployed overseas.

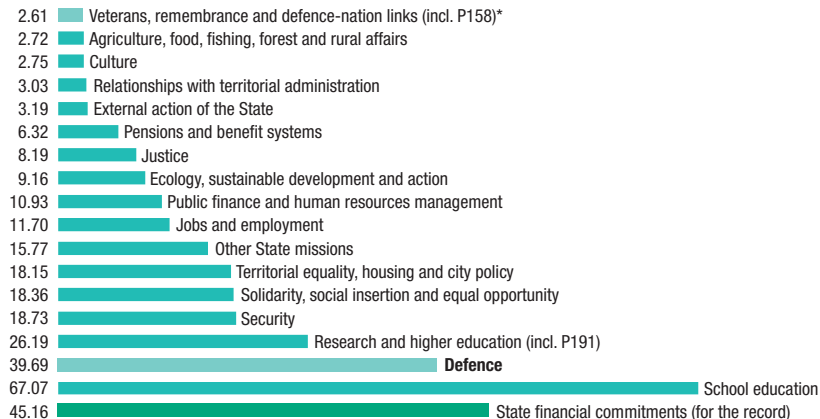
2016 budget results from the updating of the 2014-2019 Military Programming Law adopted in July 2015, by giving to the armed forces the means to deal with future challenges - both inside and outside mainland France - through an increase of €600M in the Defence budget (which has reached €32bn) and through the net creation of 2,300 jobs.

Terrorist attacks of November 2015 have led the French President to decide on additional measures in order to reinforce French defence effort in the fight against terrorism; in particular, he has announced the halt of abolishment of posts in the French Ministry of Defence through until 2019. The Defence Council of the 6th April 2016 has confirmed the cancellation of the 10,000 programmed job cuts and has admitted an additional funding beyond the budget resulting from the updated Military Programming Law and as soon as 2017.

These means will make it possible to continue with the intensification of the fight against terrorism, the growing power of armed forces in the fields of cyber security and intelligence and will make it possible to adapt means of the French deployed forces, including those which have been deployed on the national territory (Sentinelle anti-terrorism operation).

1. The State's main missions

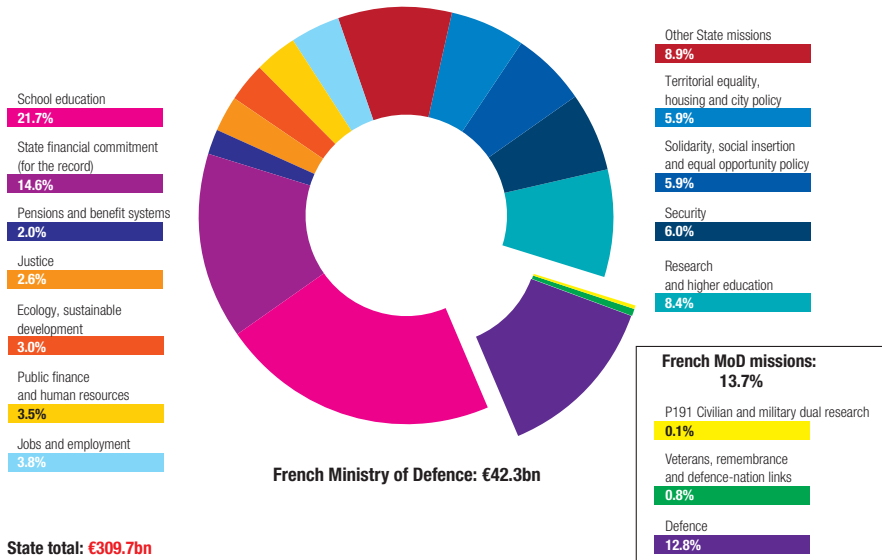
1.1 Breakdown of credits among the State missions, excluding reimbursements and rebates (2016 Initial Finance Law)



Payment appropriations (PA) in € bn, pensions included.

* *Programme 158 (€101M), entitled “Compensation for victims of anti-semitic persecutions and barbaric acts during World War II”, is under the authority of Prime Minister’s department. It aims at assuring compensation in aid of victims (or their assignees) of anti-semitic persecutions or barbaric acts committed during World War II.*

1.2 The Defence budget (including pensions) within the budget of the State (2016 Initial Finance Law)



The Ministry of Defence has credits which are allocated over three missions (Defence; Veterans, remembrance, and defence-nation links; Research and higher education under the Dual research programme) and which constitute 13.7% of the general State budget (pensions excluded: 11.1%).

2. The defence budget

The “Loi organique relative aux lois de finances” (LOLF) budget system law sets forth the budget according to an apportionment of credits to missions, programmes and actions.

Three missions are thus allocated to the Ministry of Defence: the “Defence” mission as such, the “Veterans, remembrance and defence-nation links” mission, as well as the “Dual (civil and military) research” programme which is part of the interdepartmental mission for “Research and higher education”.

The 2016 budget for the “Defence” mission amounts to €32.08bn (excluding pensions), namely almost €700M more than its level in 2015. This budget includes €250M from sales of real estate and of equipment (foreseen by Military Programming Law).

2.1 The LOLF-format Defence budget

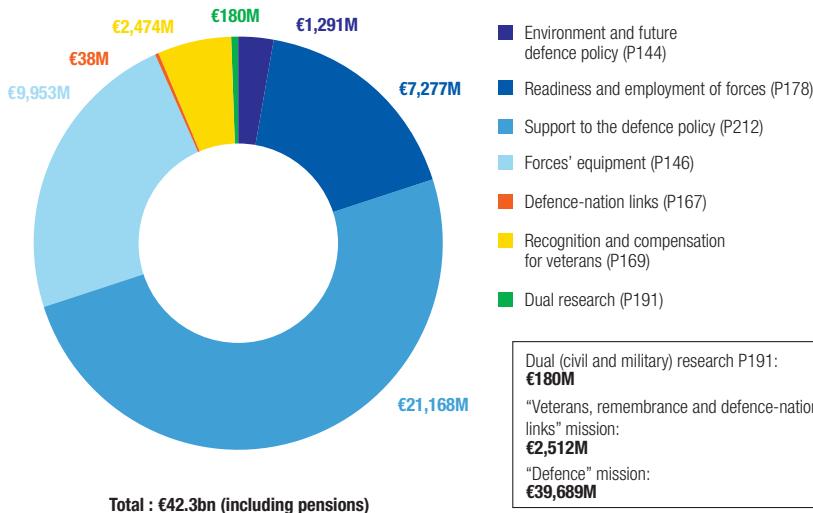
Missions	Programmes	Actions
Defence	Environment and future defence policy (144)	Collection and processing of intelligence pertaining to French security Future defence analysis International relations and defence diplomacy
	Forces' equipment (146)	Deterrence Command and information management Deployment – mobility – support Engagement and combat Protection and safety Preparation and conduct of armament operations Foreign shares and civilian programmes
	Readiness and employment of forces (178)	Capacity planning and conduct of operations Readiness of land forces Readiness of naval forces Readiness of air forces Logistics and joint services support Cost overruns related to deployments abroad Cost overruns related to domestic deployments

Missions	Programmes	Actions
Defence	Support to defence policy (212)	<p>Real estate policy</p> <p>Information, administration and management systems</p> <p>Human resources policy</p> <p>Culture and education policy</p> <p>Restructuring programme</p> <p>Management, support and communication</p> <p>Collection and processing of intelligence pertaining to French security - Staff working for "Environment and future defence policy" programme</p> <p>Future defence - Staff working for "Environment and future defence policy" programme</p> <p>International relations - Staff working for "Environment and future defence policy" programme</p> <p>Preparation and conduct of armament operations - Staff working for "Forces' equipment" programme</p> <p>Capacity planning and conduct of operations - Staff working for "Readiness and employment of forces" programme</p> <p>Readiness of land forces - Staff working for "Readiness and employment of forces" programme</p> <p>Readiness of naval forces - Staff working for "Readiness and employment of forces" programme</p>

Missions	Programmes	Actions
Defence	Support to defence policy (212)	<p>Readiness of air forces - Staff working for "Readiness and employment of forces" programme</p> <p>Logistics and joint services support - Staff working for "Readiness and employment of forces" programme</p> <p>Cost overruns related to operations - Staff working for "Readiness and employment of forces" programme</p> <p>Real estate - Staff working for "Real estate" action</p> <p>Human resources policy - Staff working for "Resources policy" action</p> <p>Culture and education policy - management and communication of historical archives of the Ministry of Defence - Staff working for "Culture and education policy" action</p> <p>Restructuring programme - Staff working for "Restructuring programme" action</p> <p>Management, support - Staff working for "Management, support" action</p> <p>Defence information day - Staff working for "Defence information day" programme</p> <p>Influence and external contribution</p> <p>Management, support and communication - staff expenditure of ministerial cabinets and attached bodies/Human resources</p>

Missions	Programmes	Actions
Veterans, remembrance and defence-nation links	Defence-nation links (167)	Defence information day Remembrance policy
	Recognition and compensation for veterans (169)	Life debt management Management of war disability pensions rights Solidarity Policy in favour of repatriates
Research and higher education	Dual (civil and military) research (191)	Dual research in life sciences Dual research in information and communication sciences and technology Dual research in aerospace Other dual research and technological developments

2.2 Breakdown of credits among programmes (including pensions)



For the record: the marginal difference that may exist in the totals is due to rounded figures.

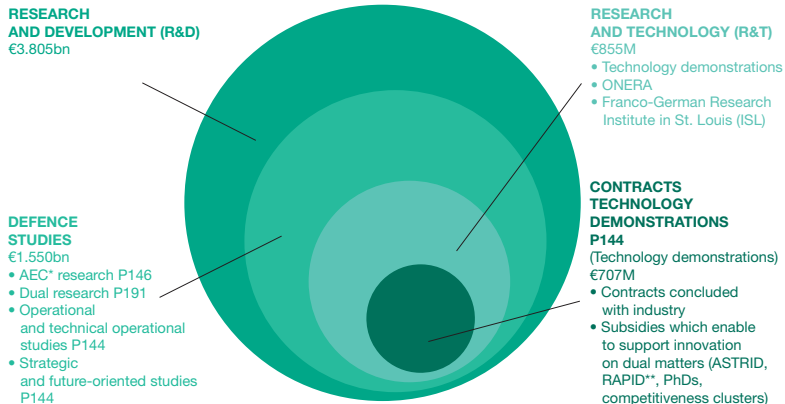
2.3 Breakdown of the “Defence” mission’s financial resources (2016 Initial Finance Law, resources from sales, excluding pensions)

Strategic operations	2016 Budget in €bn (excluding pensions)	
Wage bill (T2)	11.3	Excluding equipment €15.1bn
Training (AOP)	1.2	
Running and specific activities (FAS)	2.4	
Excluding T2 (HT2) overseas operations	0.3	
Other armament operations (AOA)	1.2	Equipment €17.0bn
Nuclear deterrence (DIS)	3.6	
Support equipment (EAC)	0.9	
Armament programmes environment (EPA)	0.1	
Scheduled equipment maintenance (EPM)	3.4	
Scheduled staff management (EPP)	0.2	
Defence infrastructures (INFRA)	1.1	
Programmes with major impact (PEM)	5.6	
Prospects and preparation for the future (PPA)	0.5	
Intelligence (RENS)	0.2	
“Defence” mission total	32.1	

For the record: the marginal difference that may exist in the totals is due to rounded figures.

2.4 Support to Defence Research and Development

The Ministry of Defence fosters and supports industrial and technological innovation. In 2016, the French MoD allocates €3.8bn to Research and Development (R&D).



* French Alternative Energies and Atomic Energy Commission.

** Projects developed within Defence - Small and medium-sized enterprises (SME) Pact.

Each larger circle doesn't necessarily match the total sum of the inner circles.

3. The ministry manpower in 2015*

3.1 Breakdown of personnel per managing service in 2015

	SOLDIERS	CIVILIANS	TOTAL STAFF
ARMY	108,449	0	108,449
AIR FORCE	42,607	0	42,607
NAVY	36,331	0	36,331
Civilian Human Resources Service	0	51,558	51,558
SSA	8,126	2,423	10,549
DGSE	1,327	3,777	5,104
DGA	2,090	2,628	4,718
SEA	1,390	0	1,390
SCA	1,563	0	1,563
IMI	548	0	548
APM (APM, CGA, GIE)	533	0	533
DEFENCE TOTAL	202,964	60,386	263,350

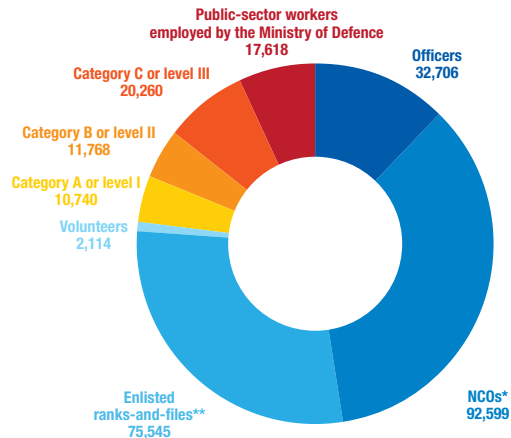
Average age of soldiers: 33.4 years old.

Average age of civilian personnel: 47.7 years old.

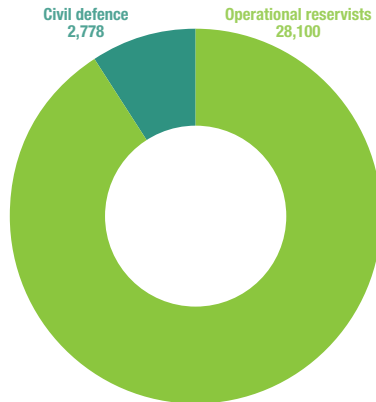
* Full-Time Equivalents (FTEs), unit of headcount which takes account of the agent's period of professional activity for the year and his/her working time portion.

3.2 Breakdown of personnel per staff category in 2015

Full-Time Equivalents (FTEs)



Actual staffing levels (excluding national Gendarmerie)



* Non-commissioned officers (petty officers in the Navy).

** Leading seamen and sailors in the Navy.

3.3 Breakdown of personnel under Defence's PMEA, per staff category, for 2015

Per managing service for soldiers

FTEs

	ARMY	NAVY	AIR FORCE*	MISCELLANEOUS**	TOTAL
Officers	13,821	4,495	6,429	7,961	32,706
NCOs	37,610	23,566	24,828	6,595	92,599
Enlisted ranks-and-files	57,342	6,583	10,746	874	75,545
Volunteers	671	767	34	642	2,114
Servicemen subtotal	109,444	35,411	42,037	16,072	202,964

Per employer for civilian personnel

FTEs

Cat. A or level I	805	411	712	8,812	10,740
Cat. B or level II	1,052	570	786	9,360	11,768
Cat. C or level III	2,451	962	590	16,257	20,260
Public-sector workers	3,821	832	2,877	10,088	17,618
Civilians subtotal	8,129	2,775	4,965	44,517	60,386

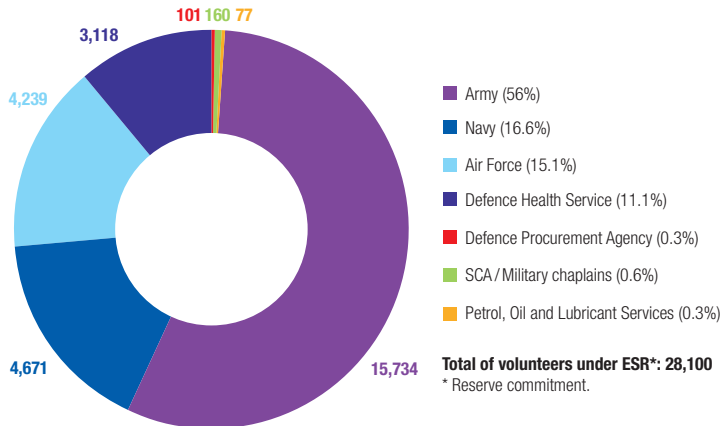
* Including SIAé.

** Soldiers: national Gendarmerie (under Defence's PMEA), SCA, SSA, DGA, SEA, SID, OIA, APM, CGA.

** Civilian personnel: SCA, SSA, DGA, SGA, DIRISI, SEA, SIMu, DCoD, OIAS, DRM, DPSD, DGSE, EMA (heart of this service).

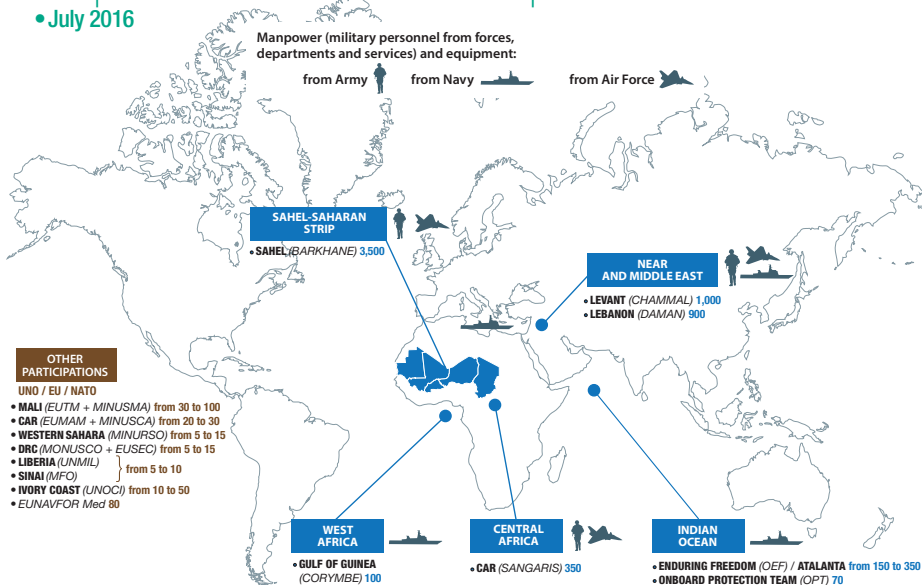
Nota bene: Defence's PMEA for 2015 set at 268,471 FTEs.

3.4 Breakdown of personnel of the operational reserve manpower (excluding national Gendarmerie) per armed forces, departments and managing services



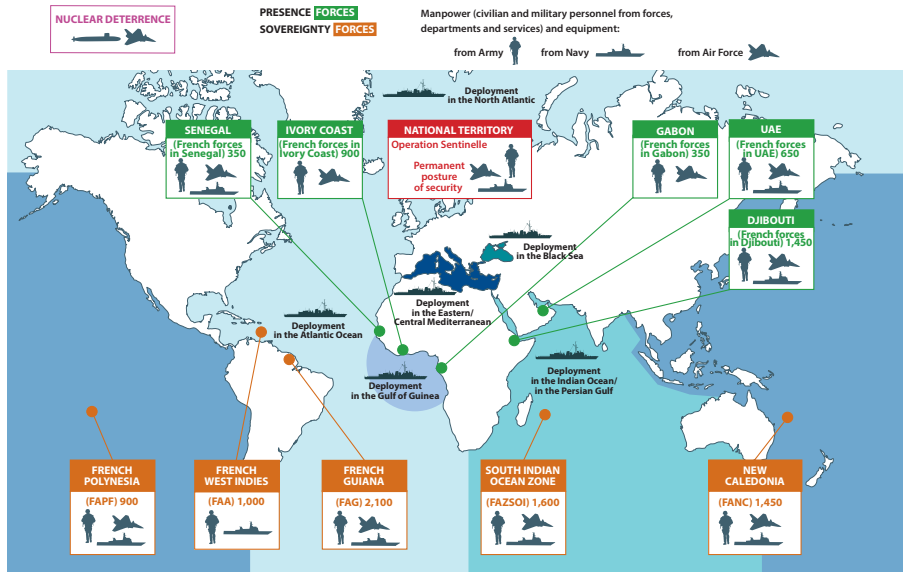
4. Map of French overseas operations

• July 2016



5. French permanent missions / French forces (excluding overseas operations)

• Organization intended for 2016



6. Armed forces' equipment

6.1 Army (figures on the 1st July 2016)

EQUIPMENT	AMOUNT	EQUIPMENT	AMOUNT
ARMoured VEHICLE	6,648	CONVENTIONAL ARTILLERY	363
<i>Combat tank</i>	<i>200</i>	155 mm self-propelled gun	121
Leclerc		VOA (Artillery observation vehicle)	89
<i>Tracked armoured vehicle</i>	<i>155</i>	120 mm mortar	140
VHM (High-mobility vehicle)	53	LRU (Unitary launch rocket system)	13
DCL (Leclerc repair tank)	18	INFANTRY EQUIPMENT	18,552
AMX 30 D	30	FELIN	
EBG & SDPMAC	54	ANTI-TANK WEAPON SYSTEM	1,184
<i>Wheeled vehicle</i>	<i>6,293</i>	Milan firing station (428), Hot (30), Eryx (650), Javelin (76)	
AMX 10 RCR	248	HELICOPTER	295
ERC 90 Sagaie	90	All types of Gazelle (111), Tigre (55), Cougar (26), Puma SA 330 (77), Caracal (8), Caiman (18)	
VBCI (Armoured infantry fighting vehicle)	629	TRAINING HELICOPTER	18
Troop transport (all types of LAV*)	2,661	Fennec**	
LAV (PVP)	1,181	LIAISON AIRCRAFT	13
LAV (VBL-VB2L)	1,466	TBM 700 (8), Pilatus (5)	
Aravis	14	GROUND-TO-AIR WEAPON SYSTEM	221
Buffalo	4	Upgraded Mistral firing station	
		UAV (DELIVERED BY AIR)	72
		SDTI (Sperwer tactical UAV system)	24
		DRAC (Close-range reconnaissance UAV system)	48

* Light armoured vehicle.

** Training fleet (EC120 Colibri) has been outsourced.

6.2 Navy (figures on the 1st July 2016)

EQUIPMENT	AMOUNT	EQUIPMENT	AMOUNT
COMBAT AND SUPPORT SHIP	72	ON-BOARD AIRCRAFT	45
Nuclear-powered ballistic missile submarine	4	French Navy Rafale	42
Nuclear-powered attack submarine	6	Hawkeye – E2C	3
Aircraft carrier	1	MARITIME PATROL AIRCRAFT	23
Landing Helicopter Dock (LHD)	3	Atlantique 2	
1st rank frigate ¹	17	MARITIME SURVEILLANCE AIRCRAFT	13
Surveillance frigate	6	Falcon 50 M (8), Falcon 200 (5)	
Offshore patrol vessel ²	19	COMBAT AND RESCUE HELICOPTER	53
Minehunter	11	Caiman Marine (Navy) (16), Panther (16), Lynx (18), Dauphin Pedro (3)	
France's overseas departments and territories support ship ³	2	SUPPORT AND PUBLIC SERVICE HELICOPTER	28
Command and replenishment ship	3	Dauphin SP (8), Alouette III (20)	
LANDING PLATFORM DOCK (LPD) AND LANDING CRAFT⁴	17	MARITIME SUPPORT AIRCRAFT	24
COASTGUARD	38	Falcon 10 M (6), Xingu (11), Cap 10 M (7)	
Patrol boat and costal cutter ⁵			
HYDROGRAPHIC AND OCEANOGRAPHIC SHIP	4		
CHANNEL MINE CLEARANCE AND SURVEILLANCE	7		
Base ship for mine clearance and sonar towing vessel ⁶			
AUXILIARY SHIP	5		
Sea tugboat, regional support ship ⁷			
TRAINING	14		
Navy academy training ship and sailing boat ⁸			
EXPERIMENTATIONS AND TESTS SHIP	3		

¹ - 2 anti-aircraft frigates, 2 air defence frigates, 5 anti-submarine frigates, 5 La Fayette-class frigates, 3 European multi-mission frigates.

² - 9 offshore patrol vessels, 3 public service patrol ships, 4 P 400-class patrol ships, 3 patrol ships (Arago, Le Malin, Fulmar).

³ - 1 multi-mission ship, 1 light ferry ship.

⁴ - 13 Landing Craft Mechanized (LCM), 4 Landing Catamarans (LCAT).

⁵ - 6 coastal patrol boats (Gendarmerie), 24 coastal surveillance cutters for maritime surveillance, 8 surveillance cutters for maritime and port surveillance.

⁶ - 4 base ships for mine clearance, 3 sonar towing vessels.

⁷ - 2 ocean going tugs, 3 regional support ships.

⁸ - 8 training ships, 2 sailing schooners, 4 sailing cutters.

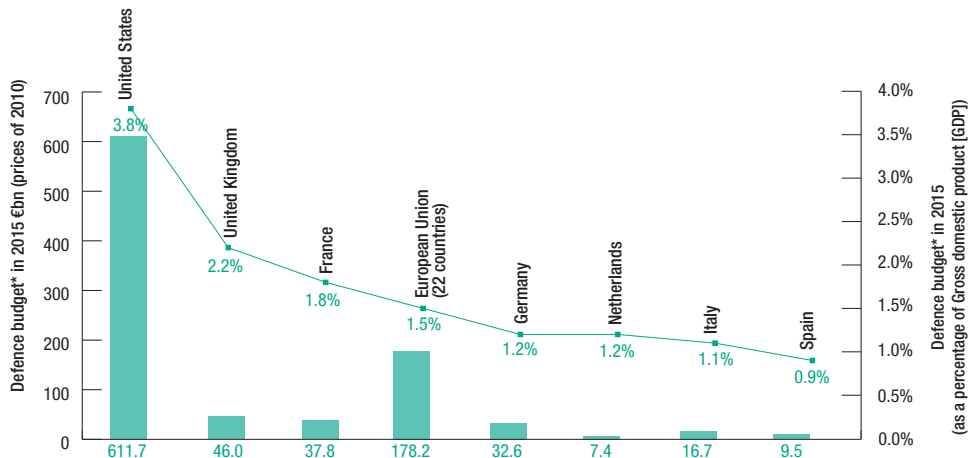
6.3 Air Force (figures on the 1st July 2016)

EQUIPMENT	AMOUNT	EQUIPMENT	AMOUNT
COMBAT AIRCRAFT	212	TRAINING AIRCRAFT	131
Rafale (omnirole)	81	Epsilon (pilot's initial training)*	33
Mirage 2000 N (nuclear and conventional assault)	23	Alpha Jet (fighter pilot's training)**	75
Mirage 2000 D (conventional assault)	67	Xingu (transport pilot's training)	23
Mirage 2000-5 and 2000 C (air defence)	35	HELICOPTER	79
Mirage 2000 B (transformation)	6	Fennec (Air defence - air security active measures)	40
TRANSPORT AIRCRAFT	78	Caracal (Combat Search and Rescue)	11
A340 and A310 (strategic airlift)	5	Super Puma and Puma (Transport, Search and Rescue)	28
C160 Transall (tactical transport)	23	UAV (DELIVERED BY AIR)	7
C130 Hercules (tactical transport)	14	Harfang (4), Reaper (3)	
CN235 (tactical transport light)	27	GROUND-TO-AIR WEAPON SYSTEM	21
A400M Atlas (tactical transport with strategic range)	9	Crotale NG (12), SAMP "Mamba" (9)	
SUPPORT AIRCRAFT	20		
C135FR and KC 135 (tanker aircraft)	14		
E-3F SDCA (airborne detection command and control)	4		
C160G (electromagnetic intelligence gathering)	2		
LIAISON AIRCRAFT	27		
A330, Falcon 7X, Falcon 900 and Falcon 2000 (aircraft for governmental use)	7		
TBM 700 and DHC6 (liaison aircraft)	20		

* Management of training aircraft Grob 120 and Cirrus SR20 and SR22 has been outsourced.

** Excluding Patrouille de France.

7. Comparisons between the United States and the European Union*



* Including pensions.

Source: Nato - Statistical Memorandum (December 2015)

Glossary

APM: Military Criminal Affairs

CEA: French Alternative Energies and Atomic Energy Commission

CGA: General Inspectorate of the French Armed Forces

DGA: Defence Procurement Agency

DGSE: Directorate-General for External Security

DICoD: Defence Information and Public Affairs Directorate

DIRISI: Joint Department of Infrastructure Networks and Information Systems

DPSD: Directorate for Defence Protection and Security

DRM: Directorate of Military Intelligence

EMA: Joint Staff

ETPT: Full-Time Equivalents (FTEs)

GIE: Gendarmerie (specialized gendarmeries)

IMI: Military Engineer (infrastructure)

LFI: Initial Finance Law

LOLF: Organic Law relating to Finance Laws

LPM: Military Programming Law

OIA: Joint entities

OIAS: Joint Support Service

OPEX: Overseas operations

PLFR: Amended Financial Law Bill

PMEA: Ministerial Ceiling of Authorized Posts

SCA: Administrative, General Support and Legal Service

SDPMAC: Pyrotechnic Mine Disposal System for Anti-Tank Mines

SEA: Petrol, Oil and Lubricant Services

SGA: General Secretariat for Administration

SIAé: Aircraft Maintenance Service, i.e. State-owned aviation workshops group

SID: Defence Infrastructure Service

SIMu: Joint Ammunition Agency

SSA: Defence Health Service

For further information

Ministry of Defence website

www.defense.gouv.fr

Sources:

- 2016 Initial Finance Law
- 2015-2016 Defence Statistical Yearbook
- 2015 Social Report
- 2013 French White Paper on Defence and National Security
- Updating of the 2014-2019 Military Programming

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