

DEFENCE KEY FIGURES

2017 EDITION



Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

**MINISTÈRE
DES ARMÉES**



Defence figures 2016 - 2017

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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 budgetary data, the number of personnel, the equipment of the armed forces and the forces deployed overseas.

In accordance with the 2014-2019 Military Programming Law, with its updating in 2015 and with decisions following terrorist attacks of 2015 and 2016, the budget of the French Ministry for the Armed Forces was increased by €600M in 2017 in comparison to 2016 Finance Law (and has thus reached €32.7bn of resources).

In the context of a very strong military activity of the French armed forces (beyond operational contracts), the budget of the French Ministry for the Armed Forces has aimed to enhance the means for the benefit of operational units, intelligence and cyber defence while preserving preparation for the future and equipment renewal. It also makes it possible the implementation of measures relating to the improvement of the condition of personnel. Budgetary credits in 2017 Initial Finance Law have thus been increased by €600M in comparison to 2016.

The French President has announced for the year 2018 a very important increase in this effort in comparison to 2017 Initial Finance Law, consistent with the long-term goal to reach a 2% defence effort in 2025.

1. The State's main budgetary missions

1.1 Breakdown of budgetary credits among the State missions, excluding reimbursements and rebates (2017 Initial Finance Law)



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

- 1. 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 to provide compensation in aid of victims (or their assignees) of anti-semitic persecutions or barbaric acts committed during World War II.*

1.2 The French Ministry for the Armed Forces budget (including pensions) within the budget of the State (2017 Initial Finance Law)

School education

22.0%

State financial commitment
(for the record)

13.2%

Relationships
with territorial administration

1.1%

Agriculture, food, fishing,
forest and rural affairs

1.1%

Pensions and benefit systems

2.0%

Justice

2.7%

Ecology, sustainable
development and mobility

3.0%

Public finance
and human resources

3.4%

Jobs and employment

4.9%

Other State missions

7.3%

Territorial equality
and housing

5.8%

Solidarity, social insertion
and equal opportunity policy

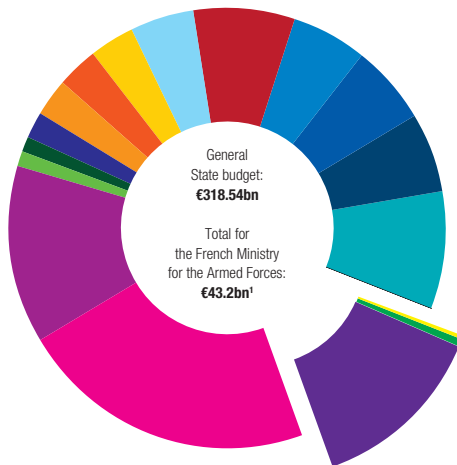
5.6%

Security

6.1%

Research
and higher education

8.4%



**French Ministry
for the Armed Forces: 13.6%**

P191 Civilian and military dual research

0.1%

Veterans, remembrance
and defence-nation links

0.8%

Defence

12.7%

The French Ministry for the Armed Forces has credits which are allocated over three missions and which constitute 13.6% of the general State budget (excluding pensions: 10.2%).

1. This amount doesn't cover resources from sales.

2. The defence budget

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

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

The 2017 budget for the “Defence” mission amounts to €32.7bn (excluding pensions), namely around €600M more than its level in 2016. This budget includes €250M from sales of real estate and equipment.

2.1 The LOLF-format Defence budget

Missions	Programmes	Actions
Defence	Environment and future defence policy (144)	<ul style="list-style-type: none"> Collection and processing of intelligence pertaining to French security Future defence analysis International relations and defence diplomacy
	Equipment of the armed forces (146)	<ul style="list-style-type: none"> 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
	Preparation and employment of forces (178)	<ul style="list-style-type: none"> Capacity planning and conduct of operations Preparation of land forces Preparation of naval forces Preparation of air forces Logistics and joint services support Cost overruns related to deployments abroad Cost overruns related to domestic deployments

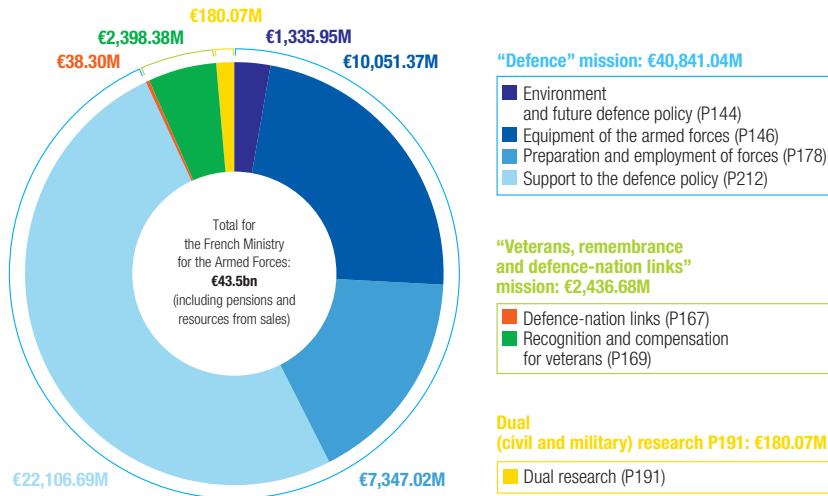
Missions	Programmes	Actions
<p>Defence</p>	<p>Support to defence policy (212)</p>	<p>Real estate policy</p> <p>Information, administration and management systems</p> <p>Human resources policy</p> <p>Culture and education policy</p> <p>Restructuring programme</p> <p>Management, support and communication</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</p> <p>Preparation and conduct of armament operations - Staff working for "Equipment of the armed forces" programme</p> <p>Capacity planning and conduct of operations - Staff working for "Preparation and employment of forces" programme</p> <p>Preparation of land forces - Staff working for "Preparation and employment of forces" programme</p>



Missions	Programmes	Actions
Defence	Support to defence policy (212)	<p>Preparation of naval forces - Staff working for "Preparation and employment of forces" programme</p> <p>Preparation of air forces - Staff working for "Preparation and employment of forces" programme</p> <p>Logistics and joint services support - Staff working for "Preparation and employment of forces" programme</p> <p>Cost overruns related to operations - Staff working for "Preparation and employment of forces" programme</p> <p>Real estate - Staff working for "Real estate" action</p> <p>Social action, unemployment and pensions</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 - HR</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 budgetary credits by programmes (opex¹ and including pensions)



1. The amount contained in the Initial Finance Law about French overseas operations is €450M including €170M on the wage bill (on the programme 212) and €280M excluding the wage bill (on the programme 178).

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

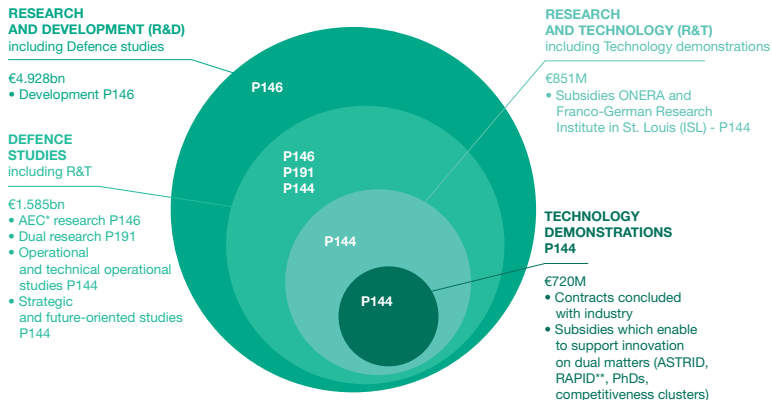
2.3 Breakdown of the “Defence” mission’s budgetary resources (2017 Initial Finance Law, resources from sales, excluding pensions)

Strategic operations	2017 Resources (excluding pensions) in €bn	
Wage bill (T2) excluding overseas operations	11.4	Wage bill €11.6bn
T2 overseas operations	0.2	
Training (AOP)	1.1	Excluding equipment €3.8bn
Running and specific activities (FAS)	2.4	
Excluding T2 overseas operations	0.3	
Other armament operations (AOA)	1.3	Equipment €17.3bn
Nuclear deterrence (DIS)	3.9	
Support equipment (EAC)	1.0	
Armament programmes environment (EPA)	0.1	
Scheduled equipment maintenance (EPM)	3.4	
Scheduled staff management (EPP)	0.2	
Defence infrastructures (INFRA)	1.2	
Programmes with major impact (PEM)	5.4	
Prospects and preparation of the future (PPA)	0.6	
Intelligence (RENS)	0.3	
“Defence” mission total	32.7	

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 French Ministry for the Armed Forces fosters and supports industrial and technological innovation. In 2017, the French Ministry for the Armed Forces allocates €4.9bn to Research and Development (R&D).



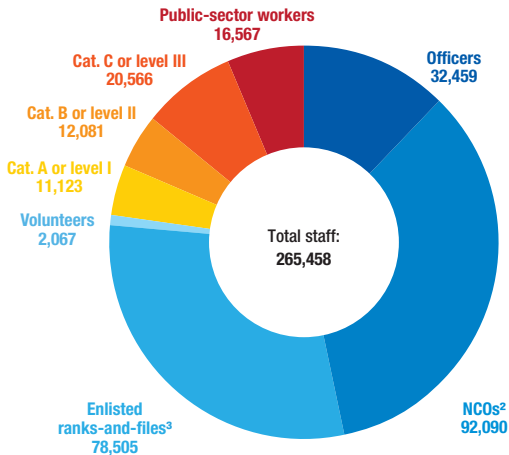
* French Alternative Energies and Atomic Energy Commission.

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

The sum specified for each circle includes in particular the sum indicated for the inner circle.

3. The ministry manpower in 2016

3.1 Breakdown of personnel per staff category in 2016 in ETPT¹



1. Full-Time Worked Equivalents: unit of headcount which takes in account the agent's period of professional activity for the year and his/her working time portion.
2. Non-commissioned officers (petty officers in the Navy).
3. Leading seamen and sailors in the Navy.

3.2 Breakdown of soldiers, per staff category and per managing services

In ETPT	Officers	NCOs	Enlisted ranks-and-files	Volunteers	Total	%
Army	13,701	37,855	60,395	551	112,502	54.8
Navy	4,492	23,328	6,870	862	35,552	17.3
Air Force	6,299	24,416	10,381	64	41,160	20.0
Gendarmerie ¹	202	1,798	0	411	2,411	1.2
SSA	3,248	4,325	0	165	7,738	3.8
SEA	201	322	859	0	1,382	0.7
DGA	1,788	0	0	0	1,788	0.9
SCA	1,863	8	0	14	1,885	0.9
Other managing services ²	665	38	0	0	703	0.4
Total	32,459	92,090	78,505	2,067	205,121	100.0
%	15.8	44.9	38.3	1.0	100.0	

Field: all soldiers under Defence's PMEAs.

It means that 13,701 officers have been managed by Army in 2016.

- These data only include gendarmes under Defence's PMEAs, that is to say Maritime Gendarmerie, Air Gendarmerie, Ordnance Gendarmerie (DGA) and Nuclear Ordnance Security (security force for the French nuclear arsenal).*
- APM, CGA and SID.*

Nota bene 1: students of the École Polytechnique are no longer under Defence's PMEAs since 2015.

Nota bene 2: soldiers from Army or Navy who are employed by other ministries or by territorial administration (i.e. apart from Defence's PMEAs), are not taken into account. It concerns, for Army, Training and response units of the French Civil Defence (UIISC) and the Paris Fire Brigade (BSPP) which are employed by the French Ministry of the Interior, and, for Navy, the Marseille Marine Fire Department (BMPM).

3.3 Breakdown of civilian personnel, per staff category

In ETPT	Cat. A or level I	Cat. B or level II	Cat. C or level III	Public-sector workers	Total	%
Army	813	1,090	2,543	3,612	8,058	13.4
Navy	425	586	959	774	2,744	4.5
Air Force ¹	737	834	723	2,785	5,079	8.4
Miscellaneous ²	9,148	9,571	16,341	9,396	44,456	73.7
Total	11,123	12,081	20,566	16,567	60,337	100.0
%	18.4	20.0	34.1	27.5	100.0	

1. Including SIAé.

2. SCA, SSA, DGA, SGA (including DICOd), DIRISI, SEA, SIMu, OIAS, DRM, DRSD, DGSE, DPID, DGSIC, DGRIS and EMA (heart of this service).

3.4 Women/men breakdown in 2016 in ETPT

	Soldiers			Civilians			Total		
	Women	Men	Subtotal	Women	Men	Subtotal	Women	Men	Total
Staff	31,412	173,709	205,121	22,857	37,480	60,337	54,269	211,189	265,458
%	15.3	84.7	100.0	37.9	62.1	100.0	20.4	79.6	100.0

The average age of soldiers is 33.2 years old (33.1 years old for women and 33.2 years old for men).

The average age of civilian personnel is 47.4 years old (47.8 years old for women and 47.1 years old for men).

3.5 Breakdown of personnel per status

In ETPT	Soldiers		
	Career	Temporary-career	Total
Officers	24,512	7,947	32,459
NCOs	49,174	42,916	92,090
Enlisted ranks-and-files	0	78,505	78,505
Volunteers	0	2,067	2,067
Total	73,686	131,435	205,121
%	35.9	64.1	100.0

In ETPT	Civilians			
	Public servants	Unestablished public servants	Public-sector workers	Total
Cat. A or level I	6,748	4,375	-	11,123
Cat. B or level II	10,944	1,137	-	12,081
Cat. C or level III	16,978	3,588	-	20,566
Public-sector workers	-	-	16,567	16,567
Total	34,670	9,100	16,567	60,337
%	57.4	15.1	27.5	100.0

4. Defence pillar of the National Guard

The National Guard comprises the operational reserve of the armed forces and of the national Gendarmerie and the civilian reserve of the national Police. Only the figures relating to the operational reserve of armed forces (level 1 or RO1) are presented in this document.

4.1 Breakdown of the French Ministry for the Armed Forces' operational reserve (excluding national Gendarmerie) per armed forces, departments and managing services

Distribution of volunteers under ESR* per category and per armed forces, departments and managing services

	Officers	NCOs	Enlisted ranks-and-files	Total	%
Army	4,160	4,939	9,652	18,751	58.0%
Navy	1,522	2,219	1,440	5,181	16.0%
Air Force	1,236	1,863	1,716	4,815	14.9%
SSA	1,554	1,347	26	2,927	9.1%
SCA**	446	1	0	447	1.4%
SEA	33	33	21	87	0.3%
DGA	95	0	0	95	0.3%
Total	9,046	10,402	12,855	32,303	100.0%
%	28.0%	32.2%	39.8%	100.0%	

Source: General Secretariat of the CSRM.

Field: total of reservists under ESR* on the 31st December 2016.

* Reserve commitment (contracts).

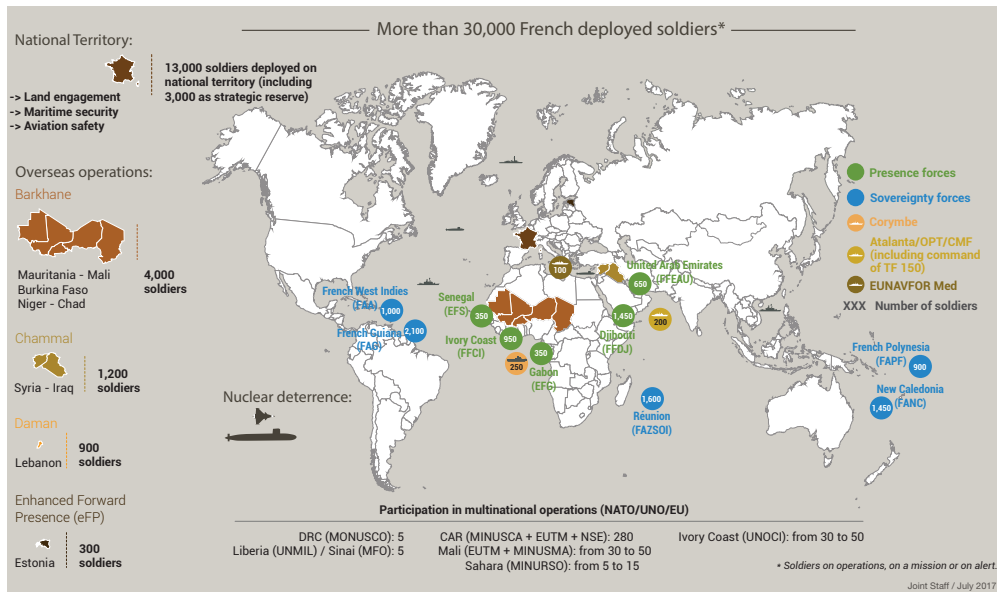
** Military chaplains and logistics officers.

4.2 Budget of the French Ministry for the Armed Forces' operational reserve

The budget of the French Ministry for the Armed Forces' operational reserve increased from €71.4M in 2014 to €81.9M in 2015 and €101.3M in 2016. This increase of €29.9M in two years corresponds to a 41.9% increase in the budget allocated to the operational reserve.

	2014	2015	2016
Armed Forces	71.4	81.9	101.3

5. Operational deployments of the French armed forces



6. Equipment of the armed forces

6.1 Army (figures on the 1st July 2017)

EQUIPMENT	AMOUNT
ARMoured VEHICLE	6,634
<i>Combat tank</i>	200
Leclerc	200
<i>Tracked armoured vehicle</i>	155
VHM (High-mobility vehicle)	53
DCL (Leclerc repair tank)	18
AMX 30 D	30
EBG & SDPMAC ¹	54
<i>Wheeled vehicle</i>	6,279
AMX 10 RCR	248
ERC 90 Sagaie	80
VBCI (Armoured infantry fighting vehicle)	629
Troop transport (all types of LAV)	2,661
LAV (PVP)	1,179
LAV (VBL-VB2L)	1,462
Aravis	16
Buffalo	4
CONVENTIONAL ARTILLERY	363
155 mm self-propelled gun	121
VOA (Artillery observation vehicle)	89
120 mm mortar	140
LRU (Unitary launch rocket system)	13

1. Pyrotechnic mine disposal system for anti-tank mines.
2. Training fleet (EC120 Colibri) has been outsourced.

EQUIPMENT	AMOUNT
INFANTRY EQUIPMENT	23,075
FELIN	23,075
ANTI-TANK WEAPON SYSTEM	1,076
Milan firing station	400
Hot	0
Eryx	600
Javelin	76
HELICOPTER	286
All types of Gazelle	99
Tigre	62
Cougar	26
Puma SA 330	68
Caracal	8
Caiman	23
TRAINING HELICOPTER	18
Fennec ²	18
LIAISON AIRCRAFT	13
TBM 700 (8), Pilatus (5)	
GROUND-TO-AIR WEAPON SYSTEM	221
Upgraded Mistral firing station	221
UAV (DELIVERED BY AIR)	63
SDTI (Sperwer tactical UAV system)	25
DRAC (Close-range reconnaissance UAV system)	38

6.2 Navy (figures on the 1st July 2017)

EQUIPMENT	AMOUNT
COMBAT AND SUPPORT SHIP	74
Nuclear-powered ballistic missile submarine	4
Nuclear-powered attack submarine	6
Aircraft carrier	1
Landing Helicopter Dock (LHD)	3
1st rank frigate ¹	17
Surveillance frigate	6
Offshore patrol vessel ²	20
Minehunter	11
France's overseas departments and territories support ship ³	3
Command and replenishment ship	3
LANDING PLATFORM DOCK (LPD) AND LANDING CRAFT⁴	17
MARITIME GENDARMERIE	38
Patrol boat and coastal 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	4
Sea tugboat, regional support ship ⁷	-
TRAINING	14
Navy academy training ship and sailing boat ⁸	-
EXPERIMENTATIONS AND TESTS SHIP	3

- 2 air defence frigates, 2 anti-aircraft frigates, 4 European multi-mission frigates, 4 anti-submarine frigates, 5 La Fayette-class frigates.
- 9 offshore patrol vessels, 3 coastal patrol boats, 3 P 400-class patrol ships, 1 Guyanese light patrol boat (PLG), 3 patrol ships (*Arago*, *Le Malin*, *Fulmar*),

EQUIPMENT	AMOUNT
ON-BOARD AIRCRAFT	45
French Navy Rafale	42
Hawkeye – E2C	3
MARITIME PATROL AIRCRAFT	22
Atlantique 2	-
MARITIME SURVEILLANCE AIRCRAFT	13
Falcon 50 M	8
Falcon 200	5
COMBAT AND RESCUE HELICOPTER	53
Caiman Marine (18), Panther (16), Lynx (16), Dauphin Pedro (3)	
SUPPORT AND PUBLIC SERVICE HELICOPTER	26
Dauphin N and Dauphin N3+	8
Alouette III	18
MARITIME SUPPORT AIRCRAFT	24
Falcon 10 M	6
Xingu	11
Cap 10 M	7

- 1 Polar Logistic Vessel or PLV (the delivery date is on after 1st July 2017).
- 3 multi-mission ships.
- 13 Landing Craft Mechanized (LCM), 4 Landing Catamaran (LCAT).
- 6 coastal patrol boats (Gendarmerie), 24 coastal surveillance cutters for maritime surveillance, 8 surveillance cutters for maritime and port surveillance.
- 4 base ships for mine clearance, 3 sonar towing vessels.
- 1 ocean going tug, 3 regional support ships.
- 8 training ships, 2 sailing schooners, 4 sailing cutters.

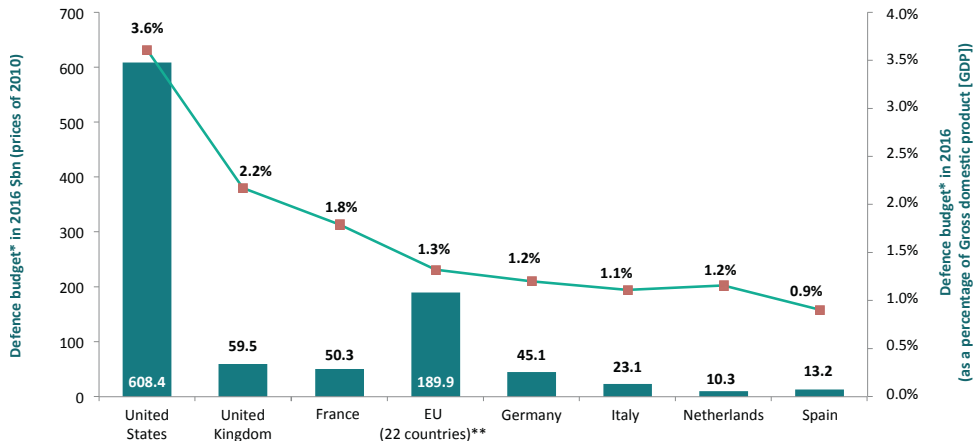
6.3 Air Force (figures on the 1st July 2017)

EQUIPMENT	AMOUNT
COMBAT AIRCRAFT	232
Rafale (omnirole)	98
Mirage 2000 N (nuclear and conventional assault)	22
Mirage 2000 D (conventional assault)	68
Mirage 2000-5 and 2000 C (air defence)	38
Mirage 2000 B (transformation)	6
TRANSPORT AIRCRAFT	78
A340 and A310 (strategic airlift)	5
C160 Transall (tactical transport)	21
C130 Hercules (tactical transport)	14
CN235 (tactical transport light)	27
A400M Atlas (tactical transport with strategic range)	11
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

EQUIPMENT	AMOUNT
TRAINING AIRCRAFT	139
Epsilon (pilot's initial training) ¹	32
Alpha Jet (fighter pilot's training) ²	84
Xingu (transport pilot's training)	23
HELICOPTER	76
Fennec (Air defence - air security active measures)	40
Caracal (Combat Search and Rescue)	10
Super Puma and Puma (Transport, Search and Rescue)	26
UAV (DELIVERED BY AIR)	10
Harfang	4
Reaper	6
GROUND-TO-AIR WEAPON SYSTEM	20
Crotale NG	12
SAMP "Mamba"	8

1. Management of training aircraft Grob 120 and Cirrus SR20 and SR22 has been outsourced.
2. Including Patrouille de France.

7. Comparisons of the defence budget between the United States and the European Union



* Including pensions.

** 22 countries of EU members of Nato (excluding UK).

Source: Nato - Statistical Memorandum (March 2017)

Nota bene: the choice to count in dollars (prices of 2010) is based on the desire to be close to Nato source and not to introduce a bias linked to the choice of the euro/dollar exchange rate. Data is directly accessible on the Nato website.

8. Glossary

APM: Military Criminal Affairs

CGA: General Inspectorate of the French Armed Forces

CIE: Joint Command Space

CSRSM: High Council of the Military Reserve

DGA: Defence Procurement Agency

DGRIS: Directorate General for International Relations and Strategy

DGSE: Directorate General for External Security

DGSIC: Directorate General for Information and Communication Systems

DICoD: Defence Information and Public Affairs Directorate

DIRISI: Joint Department of Infrastructure Networks and Information Systems

DPID: Directorate for Protection of Installations, Means and Activities of Defence

DRSD: Directorate for Defence Intelligence and Security

DRM: Directorate of Military Intelligence

EMA: Joint Staff

- 
- LFI:** Initial Finance Law
 - LOLF:** Organic Law relating to Finance Laws
 - LPM:** Military Programming Law
 - OIAS:** Joint Support Service
 - OPEX:** Overseas operations
 - PMEA:** Ministerial Ceiling of Authorized Posts
 - REO:** Repository for the organization
 - SCA:** Administrative, General Support and Legal Service
 - 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

9. For further information

French Ministry for the Armed Forces website

www.defense.gouv.fr

Sources:

- 2017 Initial Finance Law
- 2017 Defence Statistical Yearbook
- 2016 Social Report
- 2013 French White Paper on Defence and National Security
- Updating of the 2014-2019 Military Programming



Notes

Notes

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