

DEFENCE KEY FIGURES

2015

EDITION



Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

MINISTÈRE
DE LA DÉFENSE

Defence figures 2014 - 2015

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Nota: 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 in operations.

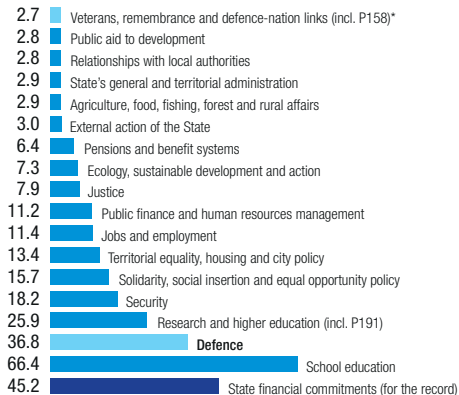
In accordance with Article 6 of the 2014-2019 Military Programming Law, an updating of this Military Programming Law has been conducted in 2015 in order to draw consequences from the attacks on French national territory in January 2015 and of the intensity of the French armed forces' commitment. This updating had made it possible to reinforce French defence effort - which has become a priority given the deterioration in the strategic context - by increasing defence expenditures by € 3.8 bn and by reducing from 2015 to 2019 staff cuts compared to the Military Programming Law's initial path (with 18,750 posts which won't be abolished). Moreover, the updating of the Military Programming Law secures French Ministry of Defence's financial resources by replacing as early as 2015 the major part of the exceptional receipts foreseen in initial programming by budget appropriations.

The ringfencing of the 2015 budget at € 31.4 bn will make it possible to implement completely the priorities which are protection of the national territory, equipment and training for armed forces and also intelligence.

1. The State's main missions

1.1 Distribution of budget appropriations among the missions of the State (2015 Initial Finance Law)

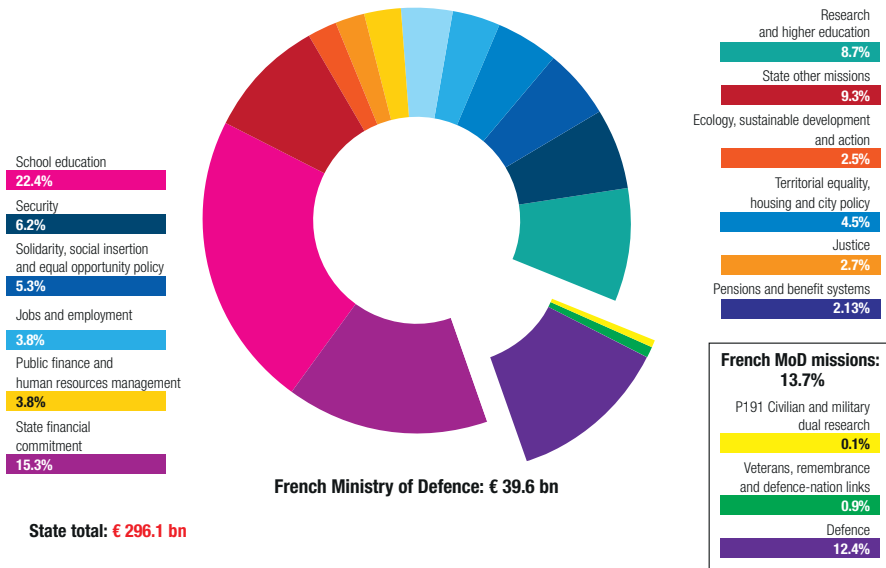
* *Système de déminage pyrotechnique pour mines.*



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

* Programme 158 (€101 M), 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 (2015 Initial Finance Law)



The Ministry of Defence has credits which are allocated over three missions (Defence / Veterans, remembrance and defence-nation links / Dual research) and which constitute 13.4% of the general State budget (excluding 10.6% pensions).

2. Defence budget

The budget system law “Loi organique relative aux lois de finances” (LOLF) 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”.

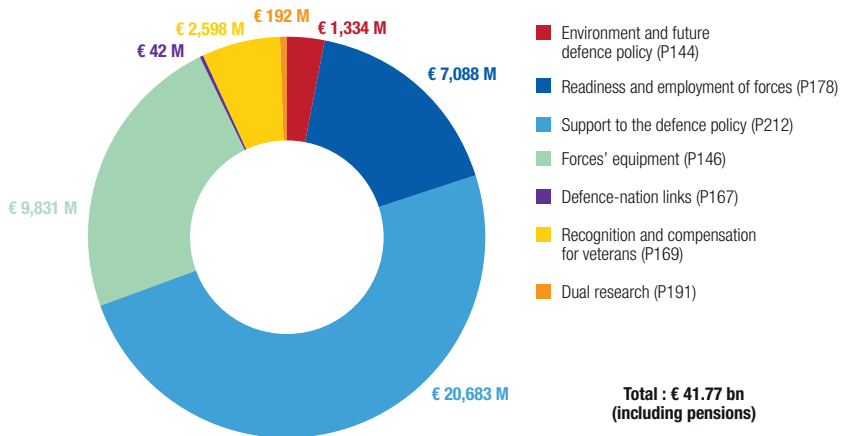
The 2015 budget of the “Defence” mission amounts to € 31.4 bn (excluding pensions) at the same level as that of 2014. At the end of the updating of the Military Programming Law, budget appropriations of the “Defence” mission in 2015 are going to be only made up by € 0,23 bn of extrabudgetary resources from sales of real estate, because of the budgeted € 2.14 bn foreseen in the next Amending Finance Law and which initially had to be obtained from the transfer of the 700 MHz frequency range.

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 |
| | Support to defence policy (212) | Real estate policy Information, administration and management systems Human resources policy Culture and education policy Restructuring programme Management, support and communication Collection and processing of intelligence pertaining to French security - Staff working for "Environment and future defence policy" programme Future defence - Staff working for "Environment and future defence policy" programme |

| Missions | Programmes | Actions |
|---|--|---|
| Defence | Support to defence policy (212) | International relations - Staff working for "Environment and future defence policy" programme Preparation and conduct of armament operations - Staff working for "Forces' equipment" programme Capacity planning and conduct of operations - Staff working for "Readiness and employment of forces" programme Readiness of land forces - Staff working for "Readiness and employment of forces" programme Readiness of naval forces - Staff working for "Readiness and employment of forces" programme Readiness of air forces - Staff working for "Readiness and employment of forces" programme Logistics and joint services support - Staff working for "Readiness and employment of forces" programme Cost overruns related to operations - Staff working for "Readiness and employment of forces" programme Real estate - Staff working for "Real estate" action Human resources policy - Staff working for "Resources policy" action Culture and education policy - management and communication of historical archives of the Ministry of Defence - Staff working for "Culture and education policy" action Restructuring programme - Staff working for "Restructuring programme" action Management, support and communication - Staff working for "Management, support and communication" action Defence information day - Staff working for "Defence information day" programme |
| 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, after the updating of the Military Programming Law)



2.3 Breakdown of the “Defence” mission’s financial resources (including exceptional resources, after the updating of the Military Programming Law)

| Strategic operations | 2015 Budget in € bn (excluding pensions) | |
|--|--|------------------------------------|
| Wage bill (T2) | 10.9 | |
| Training (AOP) | 1.1 | Excluding equipment € 3.8 bn |
| Running and specific activities (FAS) | 2.4 | |
| Excluding T2 (HT2) overseas operations | 0.3 | |
| Prospects and preparation for the future (PPA) | 0.5 | |
| Intelligence (RENS) | 0.3 | Equipment € 16.7 bn |
| Nuclear deterrence (DIS) | 3.6 | |
| Other armament operations (AOA) | 1.1 | |
| Armament programmes environment (EPA) | 0.1 | |
| Programmes with major impact (PEM) | 5.7 | |
| Scheduled staff management (EPP) | 0.2 | |
| Scheduled equipment maintenance (EPM) | 3.2 | |
| Support equipment (EAC) | 0.8 | |
| Defence infrastructures (INFRA) | 1.1 | |
| “Defence” mission total | 31.4 | |

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 2015, the French MoD allocates €3.6 bn to Research and Development (R&D).

RESEARCH AND DEVELOPMENT (R&D)
€ 3.639 bn

DEFENCE STUDIES

€ 1.587 bn

- AEC* research P146
- Dual research P191
- Operational and technical operational studies P144
- Strategic and future-oriented studies P144

RESEARCH AND TECHNOLOGY (R&T)
€ 864 M

- Technology demonstrations
- ONERA
- Franco-German Research Institute in St. Louis (ISL)

CONTRACTS TECHNOLOGY DEMONSTRATIONS P144

(Technology demonstrations)
€ 739 M

- Contracts concluded with industry
- Subsidies which enable to support innovation on dual matters (ASTRID, RAPID**, PhDs, competitiveness clusters)

* French Alternative Energies and Atomic Energy Commission.

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

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

3. The ministry manpower in 2014*

3.1 Breakdown of personnel per programme in 2014

| | SOLDIERS | CIVILIANS | TOTAL STAFF |
|---|----------------|---------------|----------------|
| Defence | | | |
| P144 - Environment and future defence policy | 4,281 | 4,386 | 8,667 |
| P178 - Readiness and employment of forces | 197,973 | 39,243 | 237,216 |
| P146 - Forces' equipment | 3,208 | 8,116 | 11,324 |
| P212 - Support to defence policy | 3,146 | 9,220 | 12,366 |
| Veterans, remembrance and defence-nation links | | | |
| P167 - Defence-nation links | 308 | 968 | 1,276 |
| TOTAL | 208,916 | 61,933 | 270,849 |

In 2015, all the French Ministry of Defence workforce has been combined in the "Support to defence policy" programme (P212).

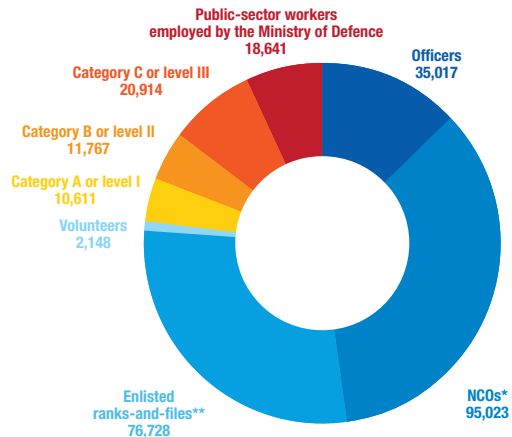
Average age of soldiers: 33.2 years old.

Average age of civilian personnel: 47.4 years old.

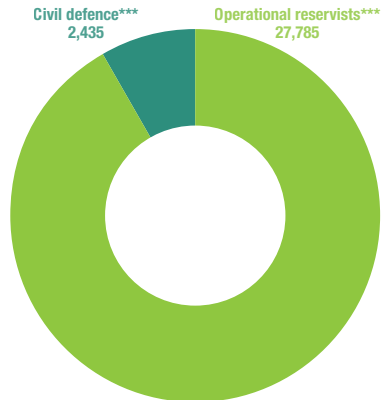
* Full-time equivalents (FTEs), which are annual average data.

3.2 Breakdown of personnel per staff category in 2014

Full-time equivalents (FTEs)



Actual staffing levels



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

** Leading seamen and sailors in the Navy.

*** Excluding national Gendarmerie.

3.3 Breakdown of personnel per *armed force*, department and service and per staff category in 2014

| | ARMY | NAVY | AIR FORCE | MISCELLANEOUS* | TOTAL |
|-----------------------------|----------------|---------------|---------------|----------------|--------------------|
| Officers | 14,418 | 4,617 | 6,679 | 9,303 | 35,017 |
| NCOs** | 38,740 | 23,905** | 25,584 | 6,794 | 95,023 |
| Enlisted ranks-and-files*** | 57,826 | 6,765 | 11,259 | 878 | 76,728 |
| Volunteers | 644 | 757 | 75 | 672 | 2,148 |
| Subtotal servicemen | 111,628 | 36,044 | 43,597 | 17,647 | 208,916 |
| Cat. A or level I | 850 | 414 | 703 | 8,644 | 10,611 |
| Cat. B or level II | 1,070 | 556 | 772 | 9,369 | 11,767 |
| Cat. C or level III | 2,414 | 976 | 909 | 16,615 | 20,914 |
| Public-sector workers | 4,069 | 884 | 2,803 | 10,885 | 18,641 |
| Subtotal civilians | 8,403 | 2,830 | 5,187 | 45,513 | 61,933 |
| TOTAL | 120,031 | 38,874 | 48,784 | 63,160 | 270,849**** |

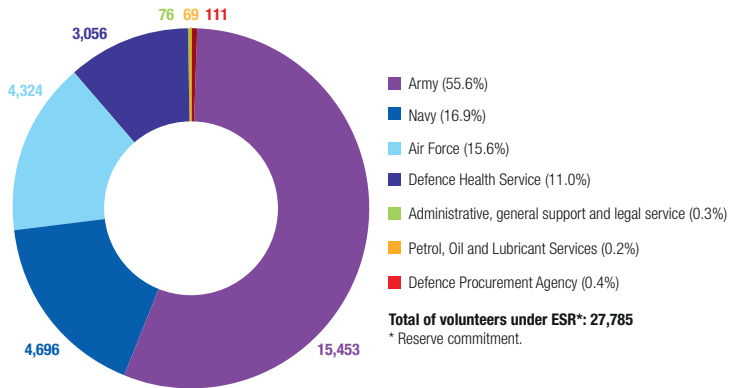
* Including the Defence Health Service, the Administrative, general support and legal service, the Petrol, Oil and Lubricant Services, the Defence Infrastructure Service, and the General Secretariat for Administration for civilian personnel.

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

*** Leading seamen and sailors in the Navy.

**** Excluding reserve personnel.

3.4 The operational reserve manpower in 2014



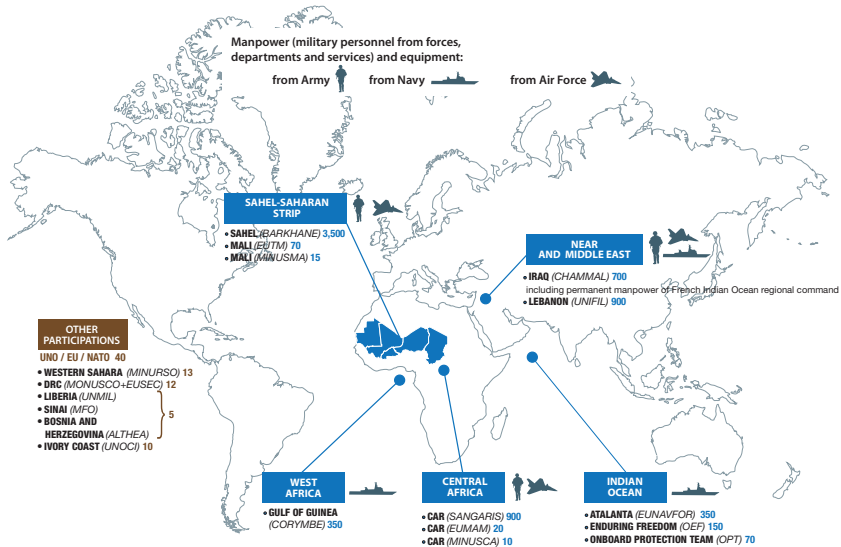
Excluding national Gendarmerie.

Total of volunteers under ESR*: 27,785

* Reserve commitment.

4. Map of French overseas operations

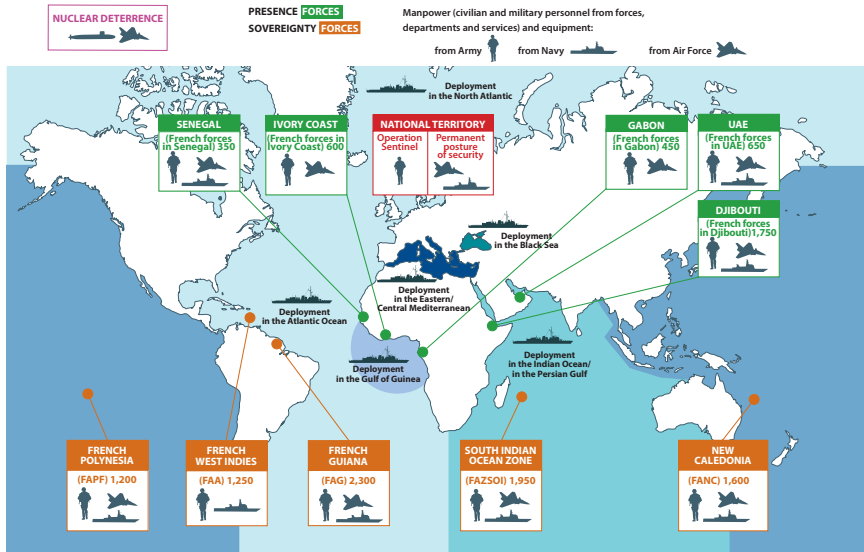
• July 2015



5. French permanent missions / French forces

(excluding overseas operations)

• Organization intended for 2015



6. Armed forces' equipment

6.1 Army (figures on the 1st July 2015)

| EQUIPMENT | AMOUNT | EQUIPMENT | AMOUNT |
|---------------------------------------|--------------|-------------------------------------|---------------|
| ARMoured VEHICLES | 6,898 | CONVENTIONAL ARTILLERY | 350 |
| <i>Combat tanks</i> | <i>200</i> | 155 mm self-propelled guns | 121 |
| Leclerc | 200 | VOA | 89 |
| <i>Tracked armoured vehicles</i> | <i>155</i> | 120 mm mortars | 140 |
| VHM | 53 | INFANTRY EQUIPMENT | 18,552 |
| DCL (repair tanks) | 18 | Felin | 18,552 |
| AMX 30 D | 30 | ANTI-TANK WEAPON SYSTEMS | 1,312 |
| EBG & SDPMAC* | 54 | Milan firing stations | 528 |
| <i>Wheeled vehicles</i> | <i>6,543</i> | Hot | 30 |
| AMX 10 RCR | 248 | Eryx | 678 |
| ERC 90 Sagaie | 100 | Javelin | 76 |
| VBCI | 629 | HELICOPTERS | 285 |
| Troop transport (all types of LAVs**) | 2,895 | All types of Gazelle | 110 |
| LAVs (PVP) | 1,183 | Tigre | 51 |
| LAVs (VBL-VB2L) | 1,470 | Cougar | 26 |
| Aravis | 14 | Puma SA 330 | 75 |
| Buffalo | 4 | Caracal | 8 |
| | | Caiman | 15 |
| | | TRAINING HELICOPTERS | 18 |
| | | Fennec*** | 18 |
| | | LIAISON AIRCRAFT | 13 |
| | | TBM 700 (8), Pilatus (5) | |
| | | GROUND-TO-AIR WEAPON SYSTEMS | 221 |
| | | Upgraded Mistral firing stations | 221 |

* Pyrotechnic mine disposal system for anti-tank mines.

** Light armoured vehicles.

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

6.2 Navy (figures on the 1st July 2015)

| EQUIPMENT | AMOUNT | EQUIPMENT | AMOUNT |
|---|-----------|---|-----------|
| COMBAT AND SUPPORT SHIP | 71 | ON-BOARD AIRCRAFT | 58 |
| Nuclear-powered ballistic missile submarine | 4 | Rafale | 38 |
| Nuclear-powered attack submarine | 6 | Modernized Super-Etendard | 17 |
| Aircraft carrier | 1 | Hawkeye – E2C | 3 |
| Amphibious ship | 3 | MARITIME PATROL AIRCRAFT | 23 |
| 1st rank frigate ¹ | 16 | Atlantique 2 | 23 |
| Surveillance frigate | 6 | MARITIME SURVEILLANCE | 12 |
| Offshore patrol vessel ² | 18 | Falcon 50 (4 F50 Mi - 3 F50 Ms) | 7 |
| Mine counter-measure vessel | 11 | Falcon 200 | 5 |
| Support ship | 3 | COMBAT AND RESCUE HELICOPTER | 54 |
| France's overseas departments and territories support ship ³ | 3 | Caiman Marine (Navy) (13), Panther (19), Lynx (20), Dauphin Pedro (2) | |
| LANDING CRAFT | 19 | PUBLIC SERVICE HELICOPTER | 10 |
| Landing craft mechanized (LCM) (15), LCAT (4) | | EC225 | 2 |
| COASTGUARD | 30 | Dauphin SP | 8 |
| Patrol boat and costal cutter ⁴ | | MARITIME SUPPORT AVIATION | 45 |
| OCEANOGRAPHY AND HYDROGRAPHY | 4 | Alouette III (21), Falcon 10 (6), Xingu (11), Cap 10 (7) | |
| Ocean going hydrographic vessel | | | |
| CHANNEL MINE CLEARANCE AND SURVEILLANCE | 7 | | |
| Base ship for mine clearance and sonar towing vessel | | | |
| AUXILIARY SHIP | 13 | | |
| Assistance, rescue, support and pollution control ship and ocean going tug ⁵ | | | |
| TRAINING | 14 | | |
| Navy academy training ship and sailing boat ⁶ | | | |
| SCIENTIFIC AND EXPERIMENTATION SHIP | 4 | | |
| Testing and experimentation ship | | | |

- 1- 2 anti-aircraft frigates, 2 air defence frigates, 5 anti-submarine frigates, 5 La Fayette-class light frigates, 2 European multi-mission frigates.
- 2- 9 corvettes (offshore patrol vessels), 4 coastal patrol vessels, 5 public service patrol ships.
- 3- 2 light support ships and 1 refuelling tug.
- 4- 6 coastal patrol boats (including 2 patrol boats for surveillance of sensitive sites, transferred in July 2015), 24 coastal surveillance cutters.
- 5- 4 intervention, assistance and safety tugs, 2 sea tugboats, 3 regional support ships, 4 support assistance and cleaning-up ships.
- 6- 8 training ships, 2 sailing schooners, 4 sailing cutters.

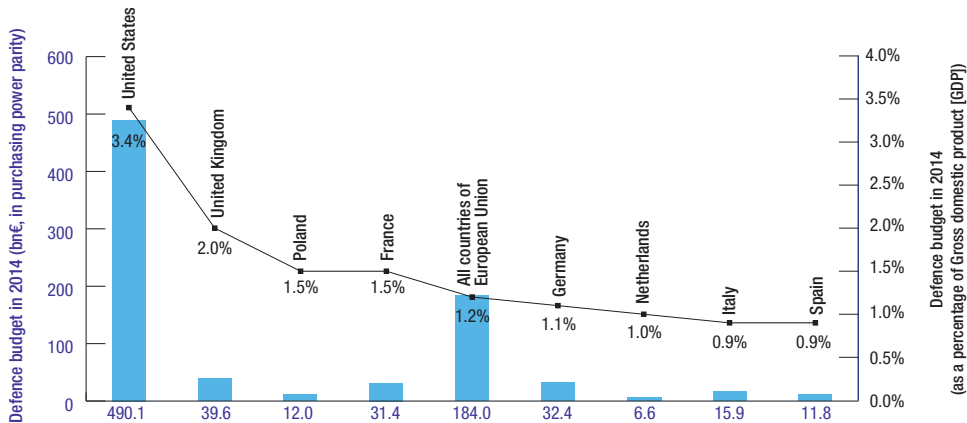
6.3 Air Force (figures on the 1st July 2015)

| EQUIPMENT | AMOUNT | EQUIPMENT | AMOUNT |
|---|------------|---|------------|
| COMBAT AIRCRAFT | 202 | TRAINING AIRCRAFT | 131 |
| Rafale (omnirole) | 76 | 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) | 63 | Xingu (transport pilot's training) | 23 |
| Mirage 2000-5 and 2000 C (air defence) | 34 | HELICOPTERS | 80 |
| Mirage 2000 B (transformation) | 6 | Fennec (Air defence - air security active measures) | 41 |
| TRANSPORT AIRCRAFT | 80 | 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) | 27 | UAVs (DELIVERED BY AIR) | 7 |
| C130 Hercules (tactical transport) | 14 | Harfang | 4 |
| CN235 (tactical transport light) | 27 | Reaper | 3 |
| A400M Atlas (tactical transport with strategic range) | 7 | GROUND-TO-AIR WEAPON SYSTEMS | 21 |
| SUPPORT AIRCRAFT | 20 | Crotale NG | 12 |
| C135FR and KC 135 (tanker aircraft) | 14 | SAMP "Mamba" | 9 |
| 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*



* Excluding pensions.

For further information

Ministry of Defence website

www.defense.gouv.fr

Sources:

- 2015 Initial Finance Law
- 2014-2015 Defence Statistical Yearbook
- 2014 Social Report
- 2013 French White Paper on Defence and National Security
- 2014-2019 Military Programming (bill)

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Head of publishing office: Commander Jérôme Baroë
Art director: Jean-Charles Mougeot
Graphic designer: Christine Pirot
Sub-editor: Isabelle Arnold
Manufacturing: Thierry Lepsch - distribution: Flight Sergeant Ebtissam Bellammou
© July 2015 - Printed by: Loire offset Titoulet

