

# DEFENCE

# KEY

2019 EDITION

# FIGURES



MINISTÈRE  
DES ARMÉES



# Defence figures 2018-2019

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

# Introduction



How many aircraft carriers does France possess? Only one, of course. The one and only, the majestic Charles-de-Gaulle. You can be proud to have brilliantly avoided this tricky question. Watch out for the next question because things will start to get harder:

how many nuclear-powered ballistic missile submarines does France possess? Four, precisely. But how many of us would be able to indicate the number of combat Unmanned Aircraft Vehicles (UAV) which are used by French armed forces, or would be able to say the number of French soldiers stationed in Gabon or in Ivory Coast? Probably not many, so this document is for them. We thought of all of you who would like to be at the forefront of Defence figures, all of you who would like to shine in society or who are quite simply committed to address precisely the ministerial activity of the French Ministry for the Armed Forces.

The following pages thus contain all the essential figures concerning the French Ministry for the Armed Forces in 2019. They present budgetary data, the number of personnel, the equipment of the armed forces, the forces deployed on mission, i.e. all the information which enables the reader to assess the rising power of the French armed forces.

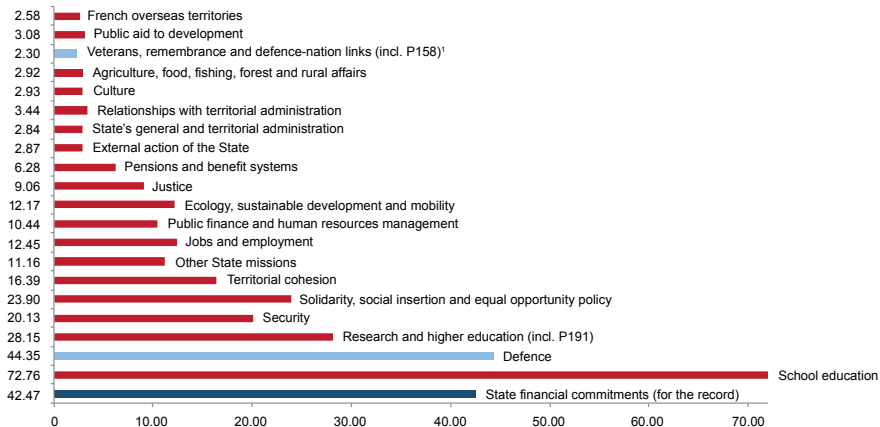
2019 represents as such, a reference year, a starting point for ambitions contained in the 2019-2025 Military Planning Law and drawn-up by the President of the French Republic. It confirms the dynamic of the defence budget increase which began at the beginning of the five-year tenure and which aims to progressively reach 2% of national Gross Domestic Product (GDP) by 2025. The challenge is to give to French armed forces the means to address tomorrow's threats.

In order to prepare for the future of the French armed forces, to support modernization of French military equipment and to make improvements to the daily life of French soldiers, the defence budget has been increased to €35.9bn in 2019, increasing by €1.7bn in comparison to 2018. This unprecedented and unparalleled financial effort reflects the full commitment of the government to prepare for the future in order to ensure the highest level of protection for French people, both now and in the future.

**Florence Parly**  
**Minister for the Armed Forces**

# 1. The State's main budgetary missions

## 1.1 Breakdown of budgetary credits among the State missions, excluding reimbursements and rebates (2019 Initial Finance Law)



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

1. Programme 158 (€106M), entitled "Compensation for victims of anti-semitic persecutions and barbaric acts during World War II", is under the authority of the Prime Minister's department. It aims to provide compensation to aid 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 (2019 Initial Finance Law)

School education

21.9%

State financial commitments  
(for the record)

12.8%

Relationships  
with territorial administration

1.0%

Agriculture, food, fishing,  
forest and rural affairs

0.9%

Pensions and benefit systems

1.9%

Justice

2.7%

Ecology, sustainable  
development and mobility

3.7%

Public finance and human  
resources management

3.1%

Jobs and employment

3.7%

Other State missions

7.7%

Territorial cohesion

4.9%

Solidarity, social insertion  
and equal opportunity policy

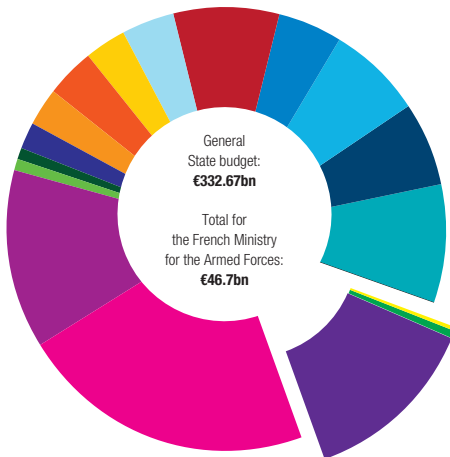
7.2%

Security

6.1%

Research  
and higher education

8.4%



### French Ministry for the Armed Forces: 14.05%

P191 Civilian and military dual research

0.1%

Veterans, remembrance  
and defence-nation links

0.7%

Defence

13.3%

The French Ministry for the Armed Forces has credits which are allocated over three missions and which constitute 14.05% of the general State budget (excluding pensions: 11.5%).

*(2019 Initial Finance Law does not include resources from sales.)*

## 2. The defence budget

The Budget System Law (LOLF: “loi organique relative aux lois de finances”) sets out 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 2019 budget for the “Defence” mission amounts to €35.9bn of budgetary credits (excluding pensions), namely €1.7bn more than its level in 2018 (excluding resources from sales). This budget does not include resources from sales in accordance with the trajectory of credits for the 2019-2025 MPL.

## 2.1 The LOLF-format Defence budget

Missions	Programmes	Actions
Defence	Environment and future defence policy (144)	<ul style="list-style-type: none"> <li>Collection and processing of intelligence pertaining to French security</li> <li>Future defence analysis</li> <li>International relations and defence diplomacy</li> </ul>
	Equipment of the armed forces (146)	<ul style="list-style-type: none"> <li>Deterrence</li> <li>Command and information management</li> <li>Deployment – mobility – support</li> <li>Engagement and combat</li> <li>Protection and safety</li> <li>Preparation and conduct of armament operations</li> <li>Foreign shares and civilian programmes</li> </ul>
	Preparation and employment of forces (178)	<ul style="list-style-type: none"> <li>Capacity planning and conduct of operations</li> <li>Preparation of land forces</li> <li>Preparation of naval forces</li> <li>Preparation of air forces</li> <li>Logistics and joint services support</li> <li>Cost overruns related to deployments abroad</li> <li>Cost overruns related to domestic deployments</li> </ul>

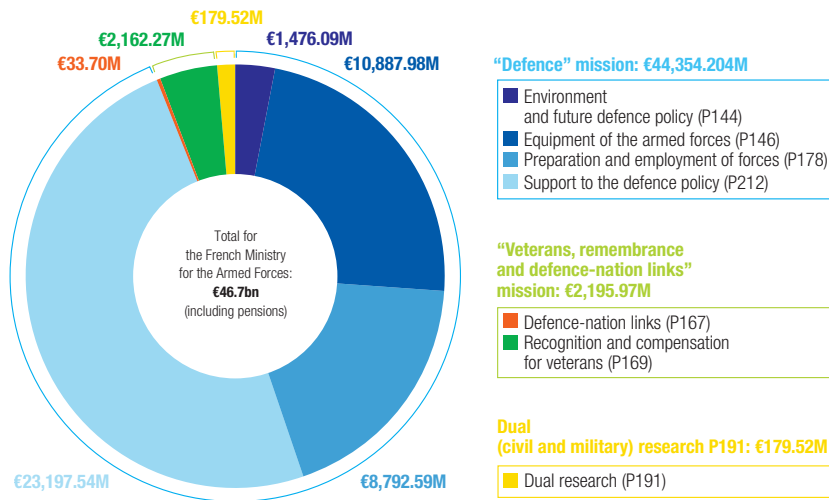


Missions	Programmes	Actions
<p><b>Defence</b></p>	<p>Support to defence policy (212)</p>	<p>Real estate policy</p> <p>Information, administration and management systems</p> <p>Human resources policy</p> <p>Culture and education policy</p> <p>Restructuring programme</p> <p>Management, support and communication</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)	Armed Forces-Youth links 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 programme (overseas operations and including pensions)



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

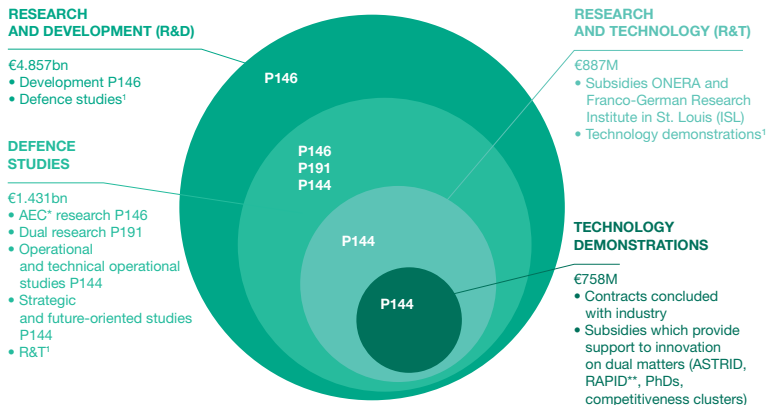
## 2.3 Breakdown of the “Defence” mission’s budgetary resources (2019 Initial Finance Law)

Strategic operations	2019 resources in €bn	
Total cost of salaries (T2) excluding overseas operations	11.7	Total cost of salaries €12.1bn
T2 overseas operations (provisions)	0.3	
T2 military national home defence missions	0.1	
Training (AOP)	1.2	Excluding equipment €4.2bn
Running and specific activities (FAS)	2.5	
Excluding T2 overseas operations (provisions)	0.6	
Other armament operations (AOA)	1.3	Equipment €19.6bn
Nuclear deterrence (DIS)	4.5	
Support equipment (EAC)	1.1	
Armament programmes environment (EPA)	0.1	
Scheduled equipment maintenance (EPM)	4.2	
Scheduled staff management (EPP)	0.3	
Defence infrastructures (INFRA)	1.4	
Programmes with major impact (PEM)	5.8	
Prospects and preparation of the future (PPA)	0.6	
Intelligence (RENS)	0.4	
<b>“Defence” mission total excluding pensions</b>	<b>35.9</b>	
<b>Pensions</b>	<b>8.5</b>	
<b>“Defence” mission total including pensions</b>	<b>44.4</b>	

*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 2019, the French Ministry for the Armed Forces allocates €4.9bn to Research and Development (R&D).



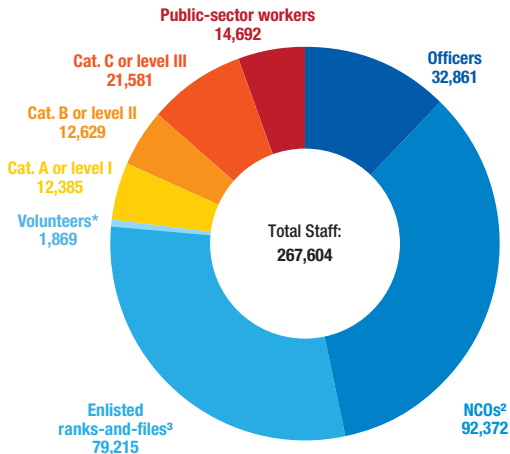
\* French Alternative Energies and Atomic Energy Commission.

\*\* Projects developed within "SME Action" Plan (SME = Small and medium-sized enterprises).

1. The sum specified for each aggregate includes the amount of the lower level aggregate.

## 3. The ministry manpower in 2018

### 3.1 Breakdown of personnel by staff category in “ETPT”<sup>1</sup>



*Source: DRH-MD/Social Report 2018 (document published at the beginning of July 2019).*

*Field: all soldiers and civilian personnel under the French Ministry for the Armed Forces' PMEA in 2018. Only gendarmes under the French Ministry for the Armed Forces' PMEA.*

*\* Excluding volunteers of the SMV (Voluntary Military Service).*

- 1. Full-Time Worked Equivalents: unit of headcount which takes into 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, by staff category and by managing service

In ETPT	Officers	NCOs	Enlisted ranks-and-files	Volunteers <sup>1</sup>	Total	%
Army	14,040	38,852	61,525	430	114,847	55.7
Navy	4,559	23,043	6,775	736	35,113	17.0
Air Force	6,413	23,895	10,065	158	40,531	19.6
Gendarmerie <sup>2</sup>	202	1,915	0	426	2,543	1.2
SSA	3,149	4,294	0	104	7,547	3.7
SEA	205	334	850	0	1,389	0.7
DGA	1,787	0	0	0	1,787	0.9
SCA	1,812	2	0	15	1,829	0.9
Other managing services <sup>3</sup>	694	37	0	0	731	0.3
<b>Total</b>	<b>32,861</b>	<b>92,372</b>	<b>79,215</b>	<b>1,869</b>	<b>206,317</b>	<b>100.0</b>
%	15.9	44.8	38.4	0.9	100.0	

Source: DRH-MD/Social Report 2018 (document published at the beginning of July 2019).

Field: all soldiers under the French Ministry for the Armed Forces' PMEA in 2018.

1. Excluding volunteers of the SMV (Voluntary Military Service).

2. Only gendarmes under the French Ministry for the Armed Forces' PMEA.

3. APM, CGA and SID.



### 3.3 Breakdown of civilian personnel, by staff category and by employer service

In ETPT	Cat. A or level I	Cat. B or level II	Cat. C or level III	Public-sector workers	Total	%
Army	839	1,132	2,759	3,230	7,960	13.0
Navy	401	610	1,013	647	2,671	4.3
Air Force <sup>1</sup>	813	936	834	2,729	5,312	8.7
Other employer services <sup>2</sup>	10,332	9,951	16,975	8,086	45,344	74.0
<b>Total</b>	<b>12,385</b>	<b>12,629</b>	<b>21,581</b>	<b>14,692</b>	<b>61,287</b>	<b>100.0</b>
%	20.2	20.6	35.2	24.0	100.0	

*Source: DRH-MD/Social Report 2018 (document published at the beginning of July 2019).*

*Field: all civilian personnel under the French Ministry for the Armed Forces' PMEA in 2018.*

1. Including SIAé.

2. Including SCA, SSA, DGA, SGA (including DICOd), EMA, DIRISI, SEA, SIMu, DGRIS, DGNUM (ex-DGSIC), DPID, IRSEM, SDBC, CGA, CBCM, DRM, DRSD, DGSE and PR.

### 3.4 Women/men breakdown in ETPT

	Soldiers			Civilians			Total		
	Women	Men	Subtotal	Women	Men	Subtotal	Women	Men	Total
<b>Staff</b>	31,960	174,357	<b>206,317</b>	23,553	37,734	<b>61,287</b>	55,513	212,091	<b>267,604</b>
<b>%</b>	15.5	84.5	100.0	38.4	61.6	100.0	20.7	79.3	100.0

*Source: DRH-MD/Social Report 2018 (document published at the beginning of July 2019).*

*Field: all soldiers and civilian personnel under the French Ministry for the Armed Forces' PMEA in 2018.*

The average age of soldiers is 33.0 years old (33.0 years old for women and 33.0 years old for men).

The average age of civilian personnel is 47.0 years old (47.2 years old for women and 46.8 years old for men).

### 3.5 Breakdown of personnel by status

In ETPT	Soldiers		
	Career	Temporary-career	Total
Officers	24,309	8,552	32,861
NCOs	45,832	46,540	92,372
Enlisted ranks-and-files	0	79,215	79,215
Volunteers	0	1,869	1,869
<b>Total</b>	<b>70,141</b>	<b>136,176</b>	<b>206,317</b>
<b>%</b>	<b>34.0</b>	<b>66.0</b>	<b>100.0</b>

Source: DRH-MD/Social Report 2018

(document published at the beginning of July 2019).

Field: all soldiers under the French Ministry for the Armed Forces' PMEAs in 2018.

Only gendarmes under the French Ministry for the Armed Forces' PMEAs.

#### In ETPT

Civilians	Staff	%	
Civil servants	Cat. A+	604	1.0
	Cat. A (excluding A+)	6,637	10.8
	Cat. B	11,345	18.5
	Cat. C	17,049	27.8
	<b>Subtotal</b>	<b>35,635</b>	<b>58.1</b>
Fixed-term contract public servants	Level I	5,144	8.4
	Level II	1,284	2.1
	Level III	4,532	7.4
	<b>Subtotal</b>	<b>10,960</b>	<b>17.9</b>
Public-sector workers	Workers	11,206	18.3
	Team leaders	2,277	3.7
	Technicians with worker status	1,209	2.0
	<b>Subtotal</b>	<b>14,692</b>	<b>24.0</b>
<b>Total</b>	<b>61,287</b>	<b>100.0</b>	

Source: DRH-MD/Social Report 2018

(document published at the beginning of July 2019).

Field: all civilian personnel under the French Ministry for the Armed Forces' PMEAs in 2018.

## 4. Defence pillar of the National Guard

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

Distribution of reservists under ESR\* by category and by armed forces, departments and managing services

	Officers	NCOs	Enlisted ranks-and-files	Total	%
Army	4,642	6,098	11,988	22,728	58.9
Navy	1,700	2,801	1,502	6,003	15.6
Air Force	1,387	2,195	2,115	5,697	14.8
SSA	1,582	1,461	31	3,074	8
SCA	533	0	0	533	1.4
SEA	47	62	77	186	0.5
DGA	78	0	0	78	0.2
SID	131	93	6	230	0.6
Total	10,100	12,710	15,719	<b>38,529</b>	100.0
%	26	33	41	100.0	

Data on the 31st December 2018.

\* Reserve commitment (contracts).

#### 4.2 Breakdown of the French Ministry for the Armed Forces' operational reserve (excluding national Gendarmerie) per socio-professional category

	Personnel	Proportion (in %)
Active workers	14,583	37.85
Students	8,195	21.27
Retired workers	4,163	10.80
Not known	11,588	30.08
<b>Total</b>	<b>38,529</b>	<b>100.00</b>

*Data on the 31st December 2018.*

#### 4.3 Breakdown of the French Ministry for the Armed Forces' operational reserve (excluding national Gendarmerie) per age category

	Personnel	Proportion (in %)
Under 30 years old	13,616	35.34
≥ 30 years old and < 40 years old	5,383	13.97
≥ 40 years old and < 50 years old	7,156	18.57
≥ 50 years old	12,374	32.12
<b>Total</b>	<b>38,529</b>	<b>100.00</b>

*Data on the 31st December 2018.*

#### 4.4 Breakdown of ESR\* days of activity, by type of managing service

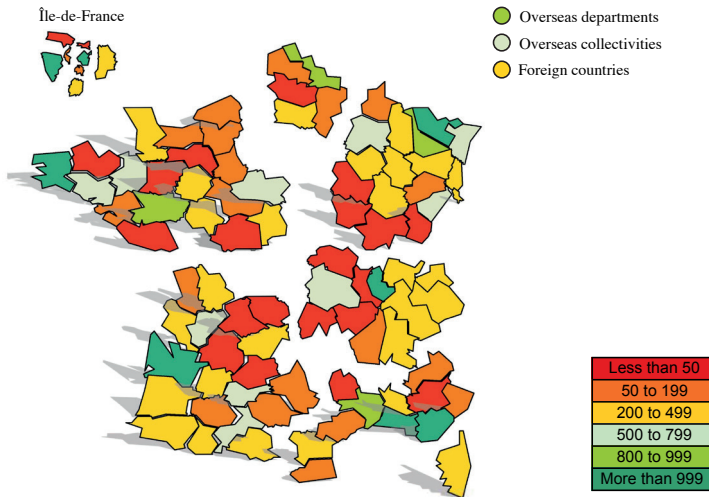
	Personnel	Done	Average (man-days)
Army	22,728	881,456	38.8
Navy	6,003	215,298	35.9
Air Force	5,697	221,064	38.8
SSA	3,074	72,046	23.4
SEA	186	6,520	35.1
DGA	78	1,472	18.9
SCA	533	17,514	32.9
SID	230	9,804	42.6
<b>Total</b>	<b>38,529</b>	<b>1,425,174</b>	<b>37.0</b>

Data on the 31st December 2018.

\* Reserve commitment (contracts).

## 4.5 Breakdown of the French Ministry for the Armed Forces' operational reserve (excluding national Gendarmerie) by department

*This map shows zones of defence: Paris, North, West, East, Southwest, Southeast and South.*



# 5. Operational deployments of the French armed forces

## NATIONAL TERRITORY



13,000 SOLDIERS

## SOVEREIGNTY FORCES

French West Indies (FAA):	1,000
French Guiana (FAG):	2,100
Réunion (FAZSOI):	1,700
New Caledonia (FANC):	1,450
French Polynesia (FAPF):	900

7,150 SOLDIERS

## PRESENCE FORCES

Senegal (EFS):	350
Ivory Coast (FFCI):	900
Gabon (EFG):	350
Djibouti (FFDJ):	1,450
United Arab Emirates (FFEAU):	650

3,700 SOLDIERS

## OVERSEAS OPERATIONS

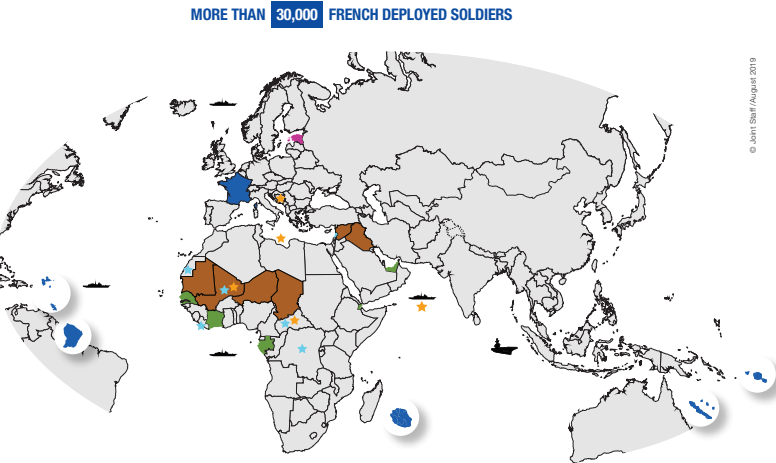


Mauritania - Mali - Burkina Faso - Niger - Chad  
Barkhane: 4,500



Syria - Iraq  
Chammal: 1,000

5,500 SOLDIERS



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**UNO**  
Lebanon ★ Darnan: 700

- ★ Sahara ★ Mali ★ Liberia
- ★ Central African Republic
- ★ Democratic Republic of the Congo

780 SOLDIERS

**EU**  
★ Central African Republic  
★ Atalanta ★ Althea  
★ Mali ★ Sophia

150 SOLDIERS

## MARITIME MISSIONS

GAN (03/19 - 07/19):	3,000
Jeanne d'Arc Mission (03/19 - 07/19):	700
North Atlantic:	200
CTF 150:	200
Corymbe:	250

650 SOLDIERS  
(4,350 soldiers from 03/19 to 07/19)

**NATO**  
Estonia eFP: 300

300 SOLDIERS

**NUCLEAR DETERRENCE**





## 6. Equipment of the armed forces

### 6.1 Army (figures on the 1st July 2019)

EQUIPMENT	AMOUNT
<b>ARMoured VEHICLE</b>	
<i>Main battle tank</i>	222
Leclerc	222
<i>Tracked armoured vehicle</i>	185
VHM (High-mobility vehicle) + BV206 (Troop-carrying vehicle)	88
DCL (Leclerc repair tank)	17
AMX 30 D (repair)	30
EBG (Armoured engineer vehicle) & SDPMAC <sup>1</sup>	50
<i>Wheeled armoured vehicle</i>	6,186
AMX 10 RCR	247
ERC (Wheeled armoured vehicle) 90 Sagaie	59
VBCI (Armoured infantry fighting vehicle)	625
Troop transport (all types of LAV)	2,648
LAV (PVP)	1,151
LAV (VBL-VB2L) including regenerated vehicle	1,424
VBHP (Highly protected armoured vehicle)	16
Buffalo	4
Griffon (Multirole armoured vehicle)	12
<i>Wheeled vehicle</i>	2,130
Multi-purpose carrier	900
Masstech (Light utility unarmoured vehicle)	500
VT4 (4X4 Tactical vehicle)	730
<b>ARTILLERY</b>	
155 mm self-propelled gun (CAESAR, AUF1 and TRF1)	121
VOA (Artillery observation vehicle) and VAB (Armoured personnel carrier) with observation equipment	65

1. Pyrotechnic mine disposal system for anti-tank mines.

EQUIPMENT	AMOUNT
120 mm mortar	131
LRU (Unitary launch rocket system)	13
<b>INFANTRY EQUIPMENT</b>	23,075
FELIN	23,075
<b>ANTI-TANK WEAPON SYSTEM (FIRING STATION)</b>	1,279
Milan (435), MMP (Medium-range missile)(168), Eryx (600), Javelin (76)	
<b>HELICOPTER</b>	268
Gazelle (87), Tigre (66), Cougar (23), Puma SA 330 (46), Caracal (8), Caiman NH90 (38)	
<b>TRAINING HELICOPTER</b>	18
Fennec <sup>2</sup>	18
<b>LIAISON AIRCRAFT</b>	13
TBM 700 (8), Pilatus (5)	13
<b>GROUND-TO-AIR WEAPON SYSTEM</b>	221
Mistral firing station	221
<b>UAV (BY NUMBER OF AIRCRAFT)<sup>3</sup></b>	101
SDTI (Sperwer tactical UAV system)	21
SDT (Tactical drone system) <sup>4</sup>	5
DRAC (Close-range reconnaissance UAV system)	12
SMDR (Reconnaissance mini-drone system) <sup>5</sup>	60
DROGEN (Drone used by the Engineer Regiment)	3

*Source: Inventory of "In Contact" fleet (PAC in French).*

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

3. Figure valid as of the 31st December 2019.

4. Figure valid as of the 31st December 2019.

5. Figure valid as of the 31st December 2019.

## 6.2 Navy (figures on the 1st July 2019)

EQUIPMENT	AMOUNT
<b>COMBAT AND SUPPORT SHIP</b>	<b>71</b>
Nuclear-powered ballistic missile submarine	4
Nuclear-powered attack submarine	6
Aircraft carrier	1
Amphibious assault ship, <i>also known as</i> Helicopter carrier (ex-Landing Helicopter Dock/LHD)	3
1st rank frigate <sup>1</sup>	15
Surveillance frigate	6
Offshore patrol vessel <sup>2</sup>	18
Minehunter	10
Light support ship <sup>3</sup>	5
Command and replenishment ship	3
<b>LANDING PLATFORM DOCK (LPD) AND LANDING CRAFT<sup>4</sup></b>	<b>16</b>
<b>MARITIME GENDARMERIE</b>	<b>39</b>
Patrol boat and coastal cutter <sup>5</sup>	39
<b>HYDROGRAPHIC AND OCEANOGRAPHIC SHIP</b>	<b>4</b>
<b>CHANNEL MINE CLEARANCE AND SURVEILLANCE</b>	<b>7</b>
Base ship for mine clearance and sonar towing vessel <sup>6</sup>	7
<b>AUXILIARY SHIP</b>	<b>2</b>
Regional support ship	2
<b>TRAINING</b>	<b>14</b>
Navy academy training ship and sailing boat <sup>7</sup>	14
<b>EXPERIMENTATIONS AND TESTS SHIP</b>	<b>3</b>

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

EQUIPMENT	AMOUNT
<b>ON-BOARD AIRCRAFT</b>	<b>45</b>
French Navy Rafale	42
Hawkeye – E2C	3
<b>MARITIME PATROL AIRCRAFT</b>	<b>22</b>
Atlantique 2	22
<b>MARITIME SURVEILLANCE AIRCRAFT</b>	<b>13</b>
Falcon 50 M (8), Falcon 200 (5)	13
<b>COMBAT AND RESCUE HELICOPTER</b>	<b>55</b>
Caiman Marine (22), Panther (16), Lynx (14), Dauphin Pedro (3)	55
<b>SUPPORT AND PUBLIC SERVICE HELICOPTER</b>	<b>24</b>
Dauphin N and Dauphin N3+ (8), Alouette III (16)	24
<b>MARITIME SUPPORT AIRCRAFT</b>	<b>22</b>
Falcon 10 M (6), Xingu (10), Cap 10 M (6)	22

2. 7 offshore patrol vessels, 3 coastal patrol boats, 2 P 400-class patrol ships, 2 overseas patrol vessels (ex-Guyanese light patrol boats), 3 patrol ships (*Arago*, *Le Malin*, *Fulmar*), 1 Polar Logistic Vessel or PLV.

3. 3 France's overseas departments and territories light support ships (ex-multi-mission ships), 2 metropolitan light support ships (ex-offshore support and assistance vessels).

4. 12 Landing Craft Mechanized (LCM), 4 Landing Catamaran (LCAT).

5. 6 coastal patrol boats (Gendarmerie), 24 coastal surveillance cutters for maritime surveillance, 9 surveillance cutters for maritime and port surveillance.

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

7. 8 training ships, 2 sailing schooners, 4 sailing cutters.

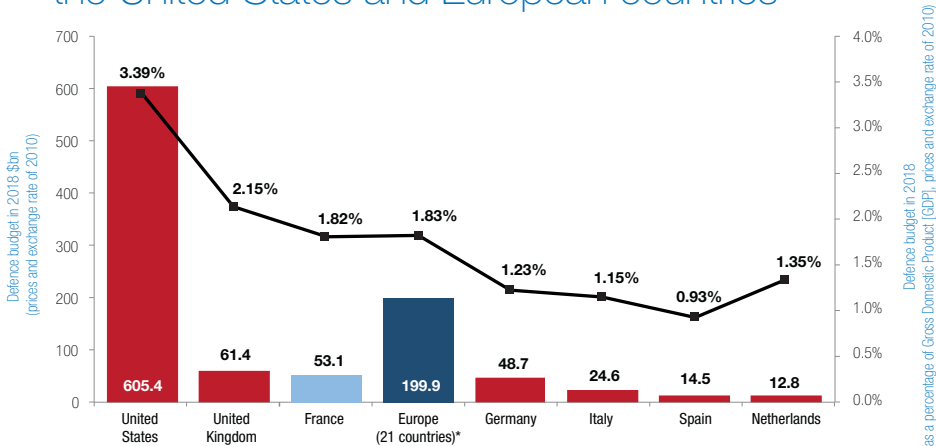
### 6.3 Air Force (figures on the 1st July 2019)

EQUIPMENT	AMOUNT
<b>COMBAT AIRCRAFT</b>	<b>219</b>
Rafale (omnirole)	102
Mirage 2000 D (conventional assault)	70
Mirage 2000-5 and 2000 C (air defence)	40
Mirage 2000 B <sup>1</sup>	7
<b>TRANSPORT AIRCRAFT</b>	<b>75</b>
A340 and A310 (strategic airlift)	5
C160R Transall (tactical transport)	12
C130 Hercules (tactical transport)	14
C130-J-30 Super Hercules (tactical transport)	2
CN235 (tactical transport light)	27
A400M Atlas (tactical transport with strategic range)	15
<b>SUPPORT AIRCRAFT</b>	<b>22</b>
C135FR and KC135 (tanker aircraft)	14
A330 Phénix (tanker and transport aircraft)	2
E-3F SDCA (airborne detection command and control)	4
C160G (electromagnetic intelligence gathering)	2
<b>LIAISON AIRCRAFT</b>	<b>27</b>
A330, Falcon 7X, Falcon 900 and Falcon 2000 (aircraft for governmental use)	7
TBM 700 and DHC6 (liaison aircraft)	20

EQUIPMENT	AMOUNT
<b>TRAINING AIRCRAFT<sup>2</sup></b>	<b>116</b>
Pilatus PC-21	17
Alphajet (fighter pilot's training)	77
Xingu (transport pilot's training)	22
<b>PRESENTATION TEAM</b>	<b>21</b>
Alphajet Patrouille de France	18
Extra 300/330	3
<b>HELICOPTER</b>	<b>74</b>
Fennec (Air defence - air security active measures)	40
Caracal (Combat Search and Rescue)	10
Super Puma and Puma (Transport, Search and Rescue)	24
<b>UAV (DELIVERED BY AIR)</b>	<b>6</b>
Reaper	6
<b>GROUND-TO-AIR WEAPON SYSTEM</b>	<b>20</b>
Crotale NG	12
SAMP "Mamba"	8

1. These seven Mirage 2000 B are used for the mission of transformation of Mirage 2000 D and Mirage 2000-5.
2. Management of training aircraft Grob 120 and Cirrus SR20 and SR22 has been outsourced.

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



Data estimated for 2018, prices and exchange rate of 2010.

\* Countries of the European Union which are members of Nato (excluding UK).

Source: Nato - Statistical Memorandum (April 2019).

Field: including pensions.

*Nota bene:* the choice to count in dollars (prices and exchange rate 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. The youth policy of the French Ministry for the Armed Forces (1/2)

### **Defence information day (JDC):**

**770,245 young people** have participated in the 17,999 JDC conducted by 6,369 trainers (Regular Army personnel and reserve military personnel from armed forces, departments and services and from national Gendarmerie). (88.2% of young people declared they were satisfied with the JDC.)

32,732 school dropouts have been oriented for example to...

- ... Voluntary Military Service (SMV): 2,901
- ... Adapted overseas military service (SMA): 2,415
- ... EPIDE (Establishments dedicated to integration into employment): 5,771

### **Voluntary Military Service (SMV):**

6 operational centres in mainland France have helped to promote professional integration and citizenship training for 1,271 young people in 2018, with an average age of 20.

72% rate of professional integration in 53 different types of jobs.

72% success rate on military driving certificate.

## 8. The youth policy of the French Ministry for the Armed Forces (2/2)

### **Plan for equal opportunity for young people implemented by the French Ministry for the Armed Forces (PEC):**

30,000 young people have benefitted from support mechanisms of the PEC.

- **Defence and Global Security Classes = “Classes de défense et de sécurité globales”** (classes which have multi-year partnerships with a military unit among other things): 6,050 pupils, from 270 classes, have benefitted from it. There are 180 sponsor military units.
- **Armed Forces Cadet training centers = “cadets de la défense”**: 817 young people (ages 14-16) from 163 schools; 25 centres for cadets (mainland France + overseas).
- **Period of initiation into military life and of improvement in knowledge of national defence (PMIP-DN)**: 12,962 young people (ages 16-30).

- **Courses**: 10,000 traineeship and contract offers have been delivered to young people (from the third year of secondary school to seven year degree after the baccalaureate) by armed forces, departments and services of the French Ministry for the Armed Forces.
- **Defence secondary schools**: 282 places attributed to scholarship pupils in the 6 Defence secondary schools + 115 places in preparatory classes for higher education (CPES in French).
- **Tutoring-“Cordées de la réussite”**: 330 tutors (officer cadets) have supported 5,767 high school sponsees.
- **Army Youth Team reservists = “Réservistes locaux à la jeunesse et à la citoyenneté (RLJC)”** (who inform the young people of various options to have access to Defence jobs): 151 RLJC have united young people from priority areas around citizen-based actions.

**Prize 2018 for links between Armed Forces and Youth** - Commission Armed Forces-Youth (**CAJ** in French): **30** military units have pursued projects involving more than **15,400** young people.

**Sports day Armed Forces-Youth (JSAJ in French) (CAJ): 14th edition – 13,190 young people have participated in the event.**

## 9. The Military Welfare Programme (“plan Famille” for soldiers and their families)

- Plan launched by the French Minister for the Armed Forces on the 31st October 2017. It includes 26 measures which have been organized into 46 concrete actions.
- It aims at better taking into account the living conditions of soldiers and their families.
- It represents an additional financial effort of some €530M over the duration of the 2019-2025 Military Planning Law.
- 85% of measures announced in the “plan Famille” have already been implemented, in particular:
  - 200 new places in day-care centers in 2018 and a planned increase of 20% of new nursery or day-care places by 2022 (i.e. 400 additional places) to reach 2,556 day-care and nursery school places;
  - 20,000 child-kits distributed to provide psychological support for the children of soldiers who have gone on missions;
  - 660 additional housing units from 2018 to 2020 (increase of the supply in metropolitan France);
  - advance notice period of 5 months before transfer, to increase the visibility on future postings (this rule has been respected in more than 70% of transfers by Army, Navy and Air Force and by departments and managing services of the French Ministry for the Armed Forces in 2018);
  - increase of internet connectivity in military areas: 100,000 soldiers who lodge in military bases have access to internet through free Wifi since the beginning of the Military Welfare Programme.

# 10. Innovation

- Established as one of the four great priorities of the French Ministry for the Armed Forces.
- The Defence Innovation Agency (AID in French) was created on the 1st September 2018 within the French Ministry for the Armed Forces.
- The first edition of the Defence Innovation Forum (FID in French) was organized by the French Ministry for the Armed Forces in November 2018. There were more than 5,000 visitors (professional and general public) and some 160 innovations in the defence area were presented.
- Each year, the French Ministry for the Armed Forces finances more than 130 PhDs and dozens of academic projects.
- An investment fund with an initial budget of €50M entitled “Definvest”, was also created. It supports companies with strategic technological capabilities.
- European Defence Fund (FED in French) with a planned budget of €13bn over the 2021-2027 period was created in order to contribute to strengthening strategic autonomy of all the European Union countries.



# 11. Glossary

**APM:** Military Criminal Affairs

**CBCM:** Ministerial Budget and Accounting Control Unit

**CGA:** General Inspectorate of the French armed forces

**DGA:** Defence Procurement Agency

**DGNUM:** Directorate General for Digital Technology and Information and Communication Systems (ex-DGSIC)

**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

**DRH-MD:** Human Resources Department of the French Ministry for the Armed Forces

**DRM:** Directorate of Military Intelligence

**DRSD:** Directorate for Defence Intelligence and Security

**EMA:** Joint Staff

**GAN:** French Carrier Strike Group

**IRSEM:** Institute for Strategic Research at the Military School

**JDC:** Defence information day

**LFI:** Initial Finance Law

**LOLF:** Organic Law relating to Finance Laws

**LPM:** Military Planning Law

**MISSINT:** Military national home defence missions

**OPEX:** Overseas operations

**PEC:** Plan for equal opportunity for young people

**PMEA:** Ministerial Ceiling of Authorized Posts

**PR:** Presidency of the French Republic

**SCA:** Administrative, General Support and Legal Service

**SDBC:** Subdirectorate for offices (French minister for the Armed Forces' Cabinet)

**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

**SMA:** Adapted overseas military service

**SMV:** Voluntary Military Service

**SSA:** Defence Health Service

## 12. For further information

*French Ministry for the Armed Forces website*

**[www.defense.gouv.fr](http://www.defense.gouv.fr)**

*Sources:*

- 2019 Initial Finance Law
- 2018 Defence Statistical Yearbook
- 2018 Social Report
- 2017 Defence and National Security Strategic Review
- 2019-2025 Military Planning Law

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