

## Curriculum Vitae

**Family name, First name** BERTRAND Philippe  
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Nationality French  
Date of birth 29/08/1971

### Professional experience

Dates From October 2017 until now  
Position **European affairs DGA coordinator**

Employer : DGA / Direction du développement international (DI)



- **Proposition of strategic EU positions** to the National Armament Director and the Board. Promotion of those positions within the Ministry, towards other Ministries, European Commission and European Defence Agency (EDA). Preparation of authorities meetings related to EU.
- **Support to the negotiation of the latest EU defence and space programmes regulations: the Union Space Programme, the Union Secure Connectivity Programme** in progress, the European Defence Industry Development Programme (EDIDP) and the European Defence Fund (EDF).
- **French representative in the EDIDP and EDF programme committees.** Negotiation of the work-programmes and multi-annual perspective. Development of related security implementation standards in coordination with NSA/DSA and COMSEG.
- Support to the negotiations of Permanent Structured Cooperation Council decisions (PESCO); of Canada, Norway and United States association to the military mobility PESCO project and of negotiations between EDA and the US.
- Development of governmental and industrial cooperation supported by EU defence initiatives in almost all defence areas and with almost all Member States. **Development of defence cooperation fostering synergies with EU space programmes** in the areas of radio-navigation, space surveillance awareness and defence of space assets.

Dates From November 2014 to October 2017  
Position **French representative on the EU space programmes Security Committees**

Employer : Secrétariat Général de la Défense et de la Sécurité Nationale



- **French representative in the EU Security Boards related to GALILEO, EGNOS and COPERNICUS:** the Security Accreditation Board, the GNSS and Copernicus Security Boards. Definition of interdepartmental positions with regards security and PRS.
- **French Galileo Competent Public Regulated Service (PRS) Authority.** Support to the definition of French legal act defining the authority. Negotiation and implementation of PRS legal constraints. Development of the European project PETRUS involving 6 Member States and European industry.
- **Support to the definition of the negotiation mandate for access to PRS by the US and Norway.** Participation with other Member states representatives to the negotiation in support of the European Commission.

Dates From August 2012 to November 2014  
Position **Manager of the radio-navigation armament programme OMEGA**

Employer : DGA / Direction des Opérations / UMESIO



- **French Participant in the Security Accreditation Board, GNSS SB and subgroups.**
- Finalisation of the first stage of the radio-navigation armament programme OMEGA; programme contract negotiation and notification.
- DGA interface with the US related to military GPS.

Dates From January 2009 to August 2012  
Position **SNE in charge of security and accreditation - European Commission**

Employer: European Commission (Bruxelles, Belgique)



- **Finalisation of the Galileo security specification and EGNOS risk analysis specification** with Member States authorities. Support to implementation resulting in important Galileo system, space and ground segment evolutions to improve security.
- **Support to the Commission for defining a new accreditation process** within regulation 912/2010.
- **In charge of accreditation activities for the Commission and of the GALILEO systems security Panels for the Commission and the European Space Agency** (Critical Design Review, Qualification Review...). Development of risk analysis and presentation to SAB. Start of regular cyber trials to evaluate Galileo robustness.

Dates From November 2004 to January 2009  
Position **Head of electronic and optronic warfare division (175 people)**

Employer : DGA / Direction de l'expertise technique / Centre d'électronique de l'armement (CELAR)



- Head of division. In charge of knowledge management for the centre (800 people): Deployment of confidential internal network, new training courses, development of a transversal doctrine applicable to cyber, electronic, optronic warfare and security.
- Development of cooperation with the UK Defence Science and Technology Laboratory.
- Electronic warfare support to French naval forces during evacuation of French citizens from Lebanon. Contribution to the specification of new Rafale evolution standard.

Dates From February 1999 to November 2004  
Position **Electronic warfare engineer – Head of unit**

Employer : DGA / Service des Programmes Navals



- Head of naval electronic warfare unit (10 people) from 2003 to 2004: In charge of electronic warfare system and electromagnetic compatibility of FR-IT Fremm frigates.
- Electronic warfare engineer from 1999 to 2002: In charge of electronic warfare system of FR-IT Horizon frigates; organisation of NATO trials with joint staff; manager of several electronic warfare capabilities developments; interface with retro-engineering experts.

## Education and training

Title or diploma

- Cycle des Hautes Etudes Européennes de l'ENA (Auditeur 2018)
- Doctor in Physics from Ecole Polytechnique (1999)
- Graduated from ENSTA (1995) and from Ecole Polytechnique (1993)

Languages French, English (German to be reactivated)