MINISTÈRE
DES TRANSPORTS

Liberté
Égalité
Fraternité

dgac direction générale de l'Aviation civile

The French Civil Aviation Technical Centre

OCTOBER 2026

STAC, a recognized expertise service

The Civil Aviation Technical Service is the DGAC's complex expertise service and has national competence.

It intervenes alongside the DTA, to which it is attached, as well as on behalf of other principals (DSAC, Ministry of the Army).

The STAC's mission is to study, analyze and model all airport and air navigation activities.

Its **expertise**, recognized at the international level, is based on its ability to:

- **respond to the current** needs of society;
- **imagine** future demands to satisfy the aspirations of its clients (airlines, airports, industrialists, etc.) and air transport users, in terms of **safety, security** and **sustainable development.**



A service with national competence spread over 3 sites



Biscarrosse



Toulouse





Bonneuil-sur-Marne

MINISTÈRE
DES TRANSPORTS
Liberté
Égalité
Fraternité

dgac direction générale de l'Aviation civile

Airport development, capacity, safety and operations

Airport capacity (aircraft/passengers) - Planning studies - Development of PSAs - Safety of systems and operations.



Environmental Impact Assessment

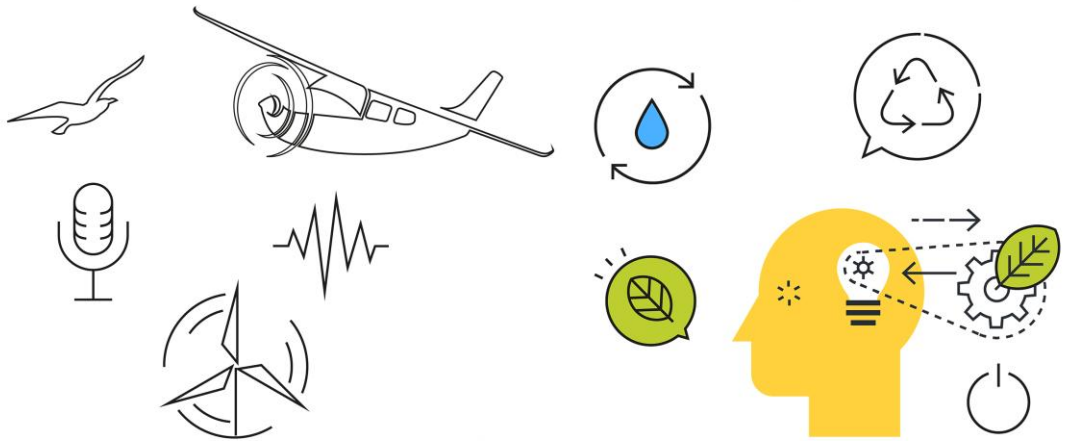
Noise: Modeling of impact (development of regulatory noise exposure maps). Aircraft noise measurements, COFRAC accredited acoustic measurement laboratory.

Emissions, Water, Soil: Measurement and modeling of pollutants (air, soil).

Wildlife hazard: Wildlife expertise and technical advice related to wildlife hazard management.

Biodiversity: Preservation and development of biodiversity within aerodromes.

Adaptation to climate change: Updating of the VULCLIM tool.



Aeronautical pavements: bearing capacity

Sizing methods for flexible and rigid pavements - Pavement reinforcement methods - Bearing capacity measurements.





Aeronautical pavements: adhesion.

Approval of continuous friction measuring devices - Adhesion measurements on military bases and civil airfields.



Air transport security





Certifications and evaluations

Baggage and parcel inspection equipment;

Metal and explosives detection equipment;

Dog teams.

An internationally recognized expertise

Systems interconnection and cybersecurity;

Perimeter protection and access control including biometrics and facial recognition;

Chemical and pyrotechnical risks;

Artificial intelligence;

System ergonomics and human factors.

Missions of national interest

Maintenance of the STITCH;

Performance control of security systems on airports.

Airport equipment

Aircraft fire fighting - New aviation fuels - Airport, helipad and obstacle lighting.





A strong and essential international presence for STAC

At the International Civil Aviation Organization (ICAO)

STAC represents France on the ADOP (Aerodrome Design and Operations Panel), CYSECP (Cybersecurity Panel), TFP (Trust Framework Panel) and participates in more than twenty ICAO groups, mainly in connection with ADOP, CAEP (Committee on Aviation Environmental Protection), CYSECP, TFP. Topics covered include VTOL, environment, grip, cybersecurity, aircraft firefighting, capacity and airport operations...

At the European Civil Aviation Conference (ECAC)

STAC participates in or leads 25 groups on activities related to safety, cybersecurity, or environment. It is also involved in more than 12 working groups dedicated to security.

With the European Aviation Safety Agency (EASA)

STAC intervenes on behalf of EASA on 5 subjects (Animal hazard, RMT161, RMT591, RMT751, vertiport, firefighting of aircraft).



Other international activities

Standardization activities

STAC is strongly involved in standardization activities and participates or chairs CEN, ISO, EUROCAE groups...

STAC is a member of the EUROCAE council and is vice-president.

Support to Research and Innovation

The STAC contributes to research activities related to its areas of expertise, notably through its participation in European projects such as Horizon Europe.

International cooperation

The STAC intervenes for the benefit of different countries and operators in the world, as needed.

The STAC has set up technical cooperation on these topics of expertise with several organizations FAA (Federal Aviation Administration), ALACPA (Asociación Latino Americana y Caribeña de Pavimentos Aeroportuarios)...



Quality at the heart of STAC's activities

STAC aims to guarantee the control of its products and services, the satisfaction of its customers and the continuous improvement of its offer.

- This is why **it is certified NF EN ISO 9001 version 2015.**

STAC has laboratories to disseminate a high level of expertise within the DGAC and airport stakeholders.

Its laboratories are accredited by **COFRAC according to the NF EN ISO/IEC 17025 version 2017 standard**:

- Testing and Expertise Laboratory - Adhesion (Certificate No. 1-2454 rev. 9);
- Laboratory of Acoustic Measurements (N° 1-5966 rev. 5);
- Laboratory of Visual Aids (N° 1-5966 rev. 5).

STAC is the organizer of inter-laboratory comparisons (CIL) to guarantee the conformity of self-wetting continuous friction measurement devices used for French civil airport pavements.

Its CIL organization is accredited by COFRAC according to NF EN ISO/IEC 17043 version 2023:

- Inter-comparison operational unit (certificate n° 1-5819 rev. 6).



STAC's scientific and technical productions

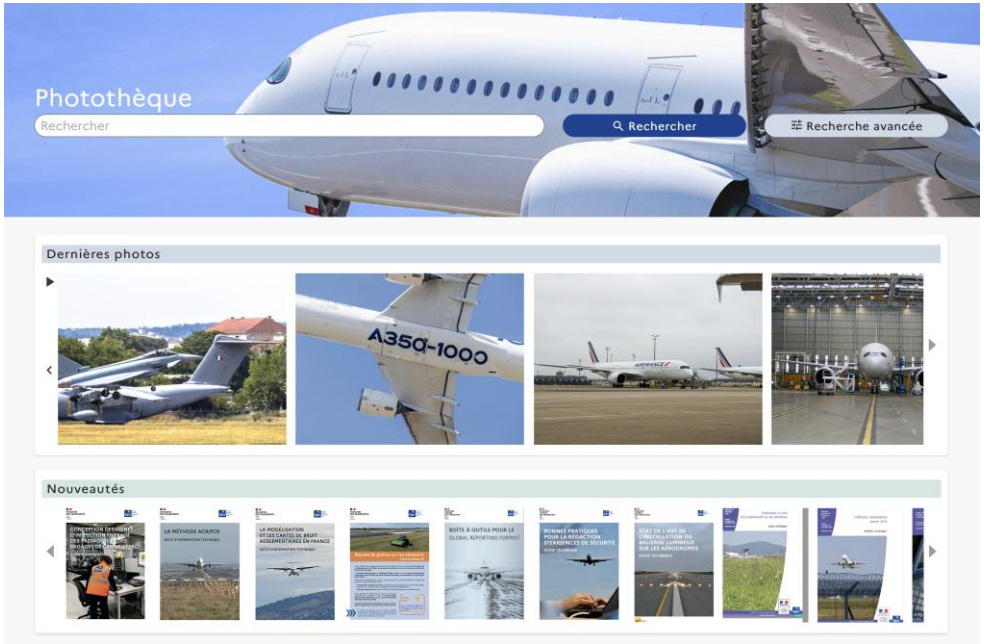
STAC has an audiovisual division. It produces photo and video reports and publishes various technical productions for the airport community.

The DGAC photo library is managed by the STAC.

The iconographic database is available for the communication, research and documentation needs of all DGAC services and its partners. It covers the different domains of the aerial world, from the Second World War to the present day.

The documentary fund can be consulted online via the STAC website.

Do not hesitate to contact them:
stac-phototheque@aviation-civile.gouv.fr



Contact : Dimitri **CANO,** Chief of Staff
Mobile: +33 6 11 46 18 75 – dimitri.cano@aviation-civile.gouv.fr

Website: www.stac.aviation-civile.gouv.fr

Design & production: Franck **DUJARDIN** DGAC/STAC

Photo & illustrations credits: Richard **METZGER** DGAC/STAC

