



EUROPEAN AVIATION SAFETY AGENCY  
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE  
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT



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# SOFIA

An EASA application



# SOFIA, an EASA application

SOFIA: a new EASA IT application that can assist a regional safety oversight organisation or a single civil aviation authority in reorganising its processes and streamlining its technical safety oversight tasks to be more efficient and effective.

As effective safety oversight has its foundations in a strong and well organised organisation of the authority or regional organisation tasked with these responsibilities, SOFIA can be a vital element to reach that objective. The implementation of SOFIA can be used by higher management to support and reinforce their safety policies from bottom-up.

Using SOFIA in a regional context will support and speed up the harmonisation process, as the need for standardisation and harmonisation is self-evident when using the same application.

## The SOFIA Business Case

- Centralising all key safety oversight elements into one application
- Tailor-made solution to accommodate needs of each individual organisation
- Easily adaptable to national or regional regulations/requirements
- User ownership – independent and self-sustainable
- Cost efficient, easy to maintain/support and user friendly
- Modular approach – continuous improvement and extension of capabilities
- SOFIA User Community – Driver for further developments
- Harmonisation and Standardisation possible amongst users (and EASA where applicable)

SOFIA is designed to be a tool to support authorities in safety oversight data management and reporting.

The unique features of SOFIA enable it to become a standard and complete tool for all EASA partner authorities and regional oversight organisations to accomplish their safety oversight responsibilities.

**SOFIA**

- Safety
- Oversight
- Facilitated
- Integration
- Application

**SOFIA features**

- Safety Oversight Modules based on ICAO Annexes and/or EASA Regulations
- An Examination Results module
- An Inspections module
- Alert, Extracting and Reporting modules
- Workflow management

**SOFIA capabilities**

- Online and web based
- Database can be used by one state or a cooperation of states
- Possibility of sharing data between states/users
- The database is compatible to multi-user data input
- Different access levels to enhance the security
- Detailed and flexible reporting
- Fast access to all technical information in Excel, PDF or flat file

## Roadmap to the future

SOFIA provides the platform which enables future developments and enhancements

SOFIA is a living application that will be continuously enhanced and improved to include more features and possibilities, based on the needs of the users. Additional features that can be included have already been identified and a roadmap for future upgrades has been developed.

### Some of the potential features that could be included in SOFIA

- Expanding and upgrading existing Oversight Modules
- Inclusion of additional ICAO Annexes
- Improved reporting system for statistics and analysis: trend monitoring, risk analysis
- Audit management system
- Enabling SOFIA Apps development by others

Users will become part of a user community and will have a voice in deciding the needed developments of SOFIA jointly with EASA.

Let's take SOFIA to the future! Together.

**SOFIA IT structure**

- Developed with open source solutions to minimise license fees
- Web-based solution
- Local host or cloud environment
- Requires light infrastructure