



Safety Seminar 2023, AOPA Luxembourg

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- Introduction
- Objective
- Scope
- Strategy
- Deliverables
- More opportunities?
- Best practices

EUROCONTROL

41 Member States + 2 Comprehensive Agreement States

EUROCONTROL OFFICE LOCATIONS



BELGIUM

Brussels (HQ, Network Manager & CRCO)



NETHERLANDS

Maastricht (Maastricht UAC)



FRANCE

Brétigny-sur-Orge (Innovation Hub)



LUXEMBOURG

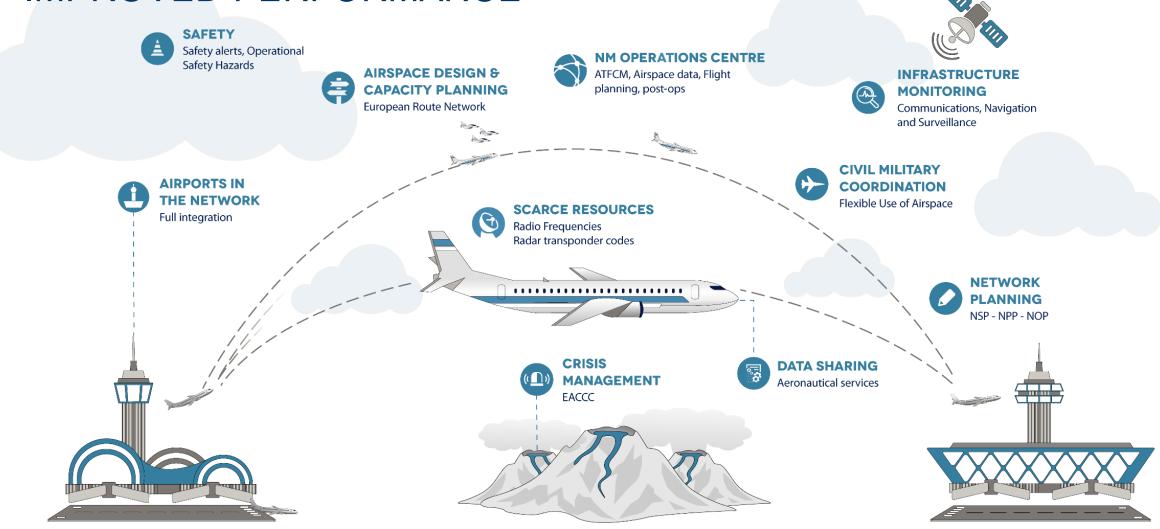
Luxembourg (ECTL Aviation Learning Centre) Institute)



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CONNECTING THE NETWORK TO DELIVER IMPROVED PERFORMANCE



DINOS WG

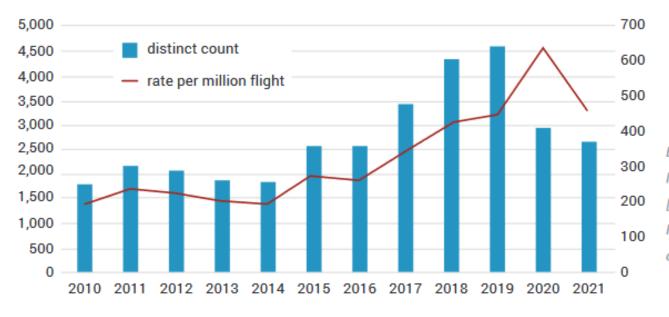
Airspace Infringement Risk Reduction



Introduction

Are there really that many incidents?

Airspace Infringement



EASA.(2022). Airspace
Infringement, 2010-2021
[Graph]. European Central
Repository for Aviation accident
and Incident Reports.

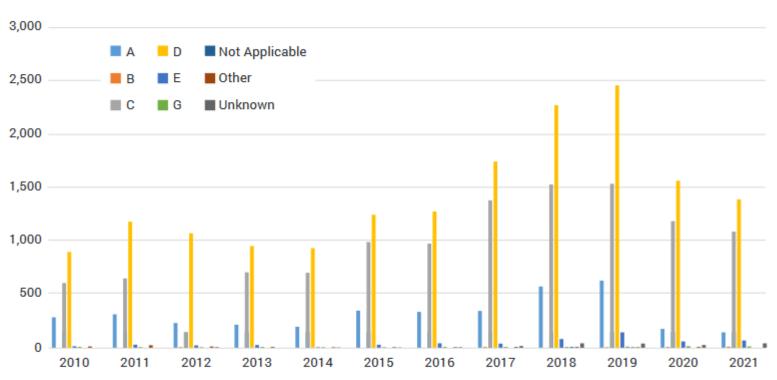
canso



Introduction

Are there really that many incidents?

Airspace Infringement occurences per airspace class



EASA.(2022). Airspace Infringement occurrence per airspace class, 2010-2021 [Graph].

European Central Repository for Aviatio accident and Incident Reports.





Introduction

Are there really that many incidents?

Airspace Infringement occurences per airspace class



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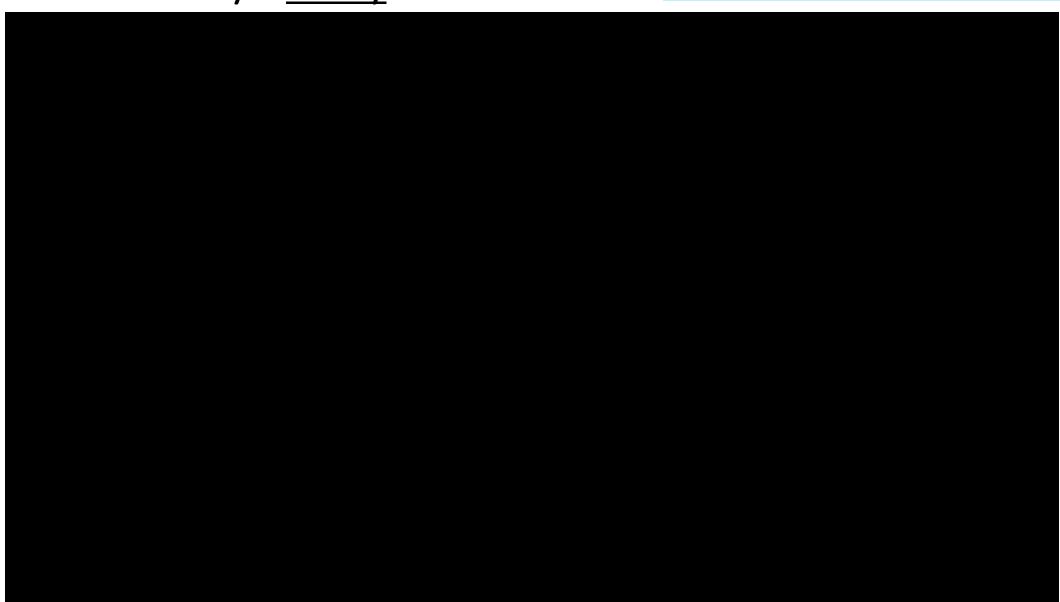
Is it really that complex?







Is it really a <u>safety</u> risk?





Is it really a <u>safety</u> risk?







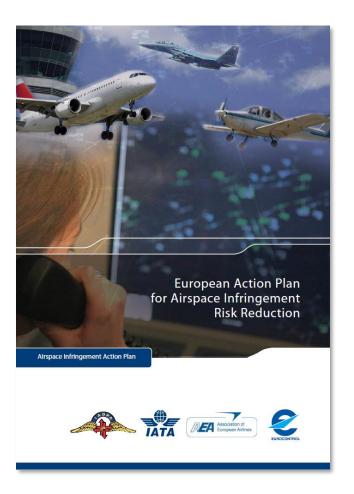






Introduction

- 10+ years of EAPAIRR, still high incident numbers
- Acknowledged risk
- Changed environment
- Best practices and experience
- ATM CAG CANSO paper
- Request from the stakeholders







No results without a (great) team!

























DFS Deutsche Flugsicherung











Objective

- Reduce the risk of Airspace Infringements
- Enhance cooperation between all stakeholders
- Promote best practices and experience sharing
- Embed the results in European legislation



Scope

GA infringements in European Controlled Airspace

Recommendations for:

ANSPs

Airspace Design

AIM/MET providers

Regulators

Airspace Users

No drones



Strategy

What did we do to achieve this?

- Review of the existing action plan
- Analyse the applicability of the actions
- Remove blockers
- Add new proposals
- Unique group of expertise and back ground...different views

Result: EAPAIRR v2.0







Link to the document:

https://skybrary.aero/sites/default/files/bookshelf/1044.pdf

| REF | Recommendation | Rationale |
|------|--|---|
| AU7 | Implement knowledge exchange programs between ATCOs/FISOs and Airspace Users. See also recommendation ANSP3 | The knowledge exchange programmes should aim to support controllers and pilots in sharing their knowledge of airspace and aircraft, improve understanding of each other's needs, limitations, and way of working. Programmes should include pilots with different experience, e.g., pilots of light aircraft, gliders pilots, helicopters, etc. Such knowledge exchange programmes should be organised at local level in order to maximise effectiveness. Meeting events should be held at the flying schools and clubs and ATS facilities. Pilots' associations and flying clubs should play an essential role for improvement of the interface to ATC. |
| | | Establish Local Airspace Infringement Teams (LAITs) to be run by the airspace owner. Participants should be included from ANSP's, airspace users (GA, CA and MA), local airports and regulators. Provide more general information on hotspots and ways of communication. |
| AU8 | Review private pilots' initial training content and ensure there is improved R/T training coverage. See also recommendation ANSP1 | Private pilots should be taught to: Use unambiguous call-signs – full call-sign or call-sign coupled with type of aircraft; Contact ATS for assistance in complex situations (e.g. unsure of position); Actively seek confirmation in case of doubt; Strictly apply the readback/hearback procedure; Use 121.5 MHz in complex/ unusual and emergency situations if not in contact with an ATS unit on another frequency; Adhere to communication failure procedures; Use standard phraseology in English for essential air-ground communication exchanges, like clearance requests. The training course should include practicing R/T skills for the most common R/T exchange scenarios, like crossing controlled airspace, reporting basic flight plan data, and requesting information. This recommendation is also applicable to ULM pilots whose training and licensing are not covered by the EASA regulations. |
| AU9 | Ensure adequate proficiency of flight instructors in terms of navigation and R/T skills | The navigation and communication skills requirements for flight instructors should be reviewed and updated, as needed, to meet the training syllabus needs. The risk awareness of instructors at flying schools should be raised through dedicated workshops, safety seminars and publications. Support from the regulatory authorities should be sought and obtained. |
| AU10 | Promote extended flight corridor and alternate route planning for VFR flights | Promote awareness of the need and encourage private pilots to plan alternative/secondary routes to be flown in the event of unexpected/unforeseen circumstances, e.g., clearance to cross controlled airspace is refused, weather changes occurring faster than predicted, etc. |

Owners

Users

ATOs

Clubs

Associations

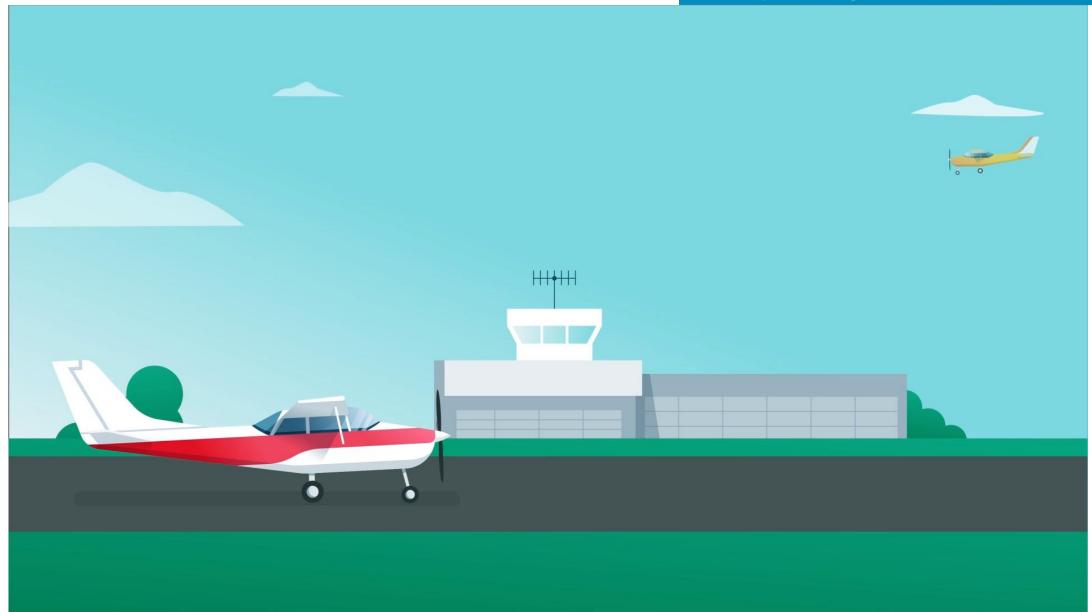










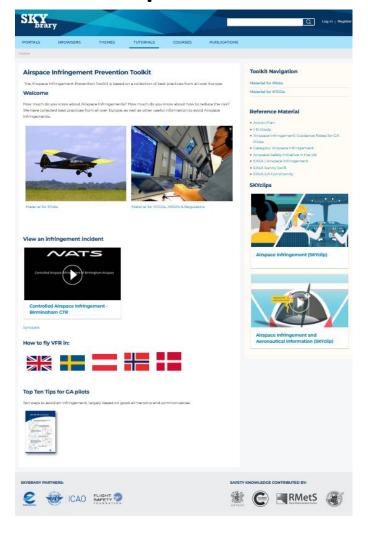








Best practices







European Action Plan for Airspace Infringement Risk Reduction

https://www.skybrary.aero/tutorials/airspace-infringement-prevention-toolkit



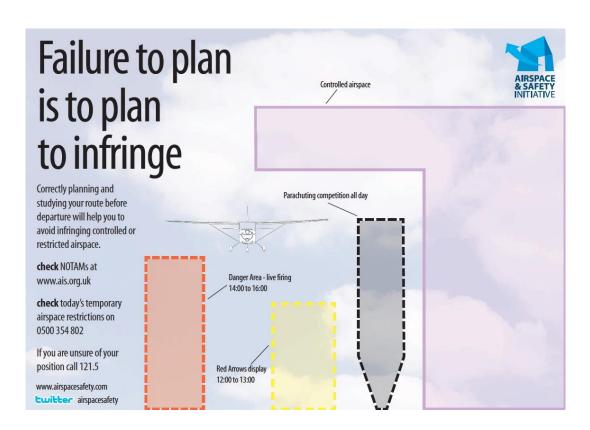


Best practices

Best Practice – Pre-Flight Planning

- Ensure that you have a current aeronautical chart
- Check NOTAMs before flying. Learn to use efficient methods of briefing, such as a "narrow route brief" or "saved briefings" where these facilities exist.
- Check for planned restrictions of airspace in Air Information Circulars (AIC)
- Check the local and en-route weather and check again just before flight. In many European countries the weather changes rapidly so plan options for your flight, including diverting or turning back.
- Ask an instructor for assistance if you don't understand the information in any document.

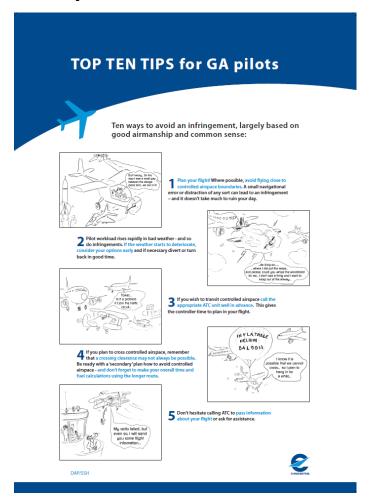
Cost – The information is freely available so the only cost will be time.

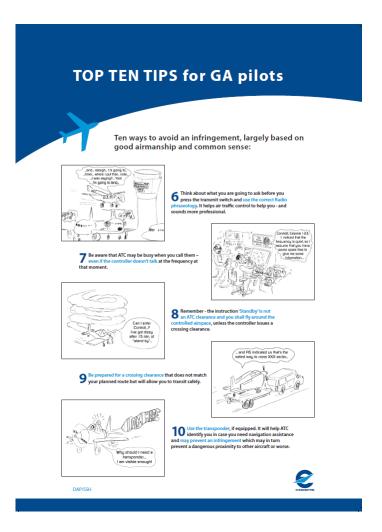






Best practices

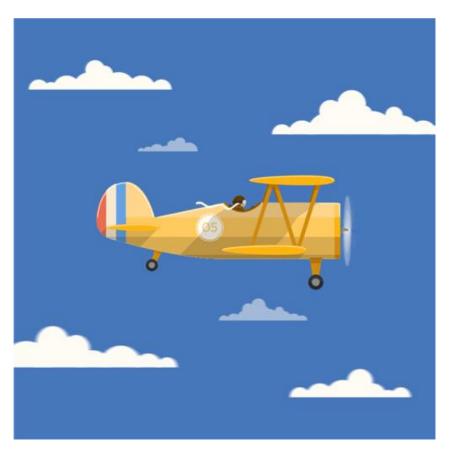








Questions?



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