

New and emerging risks to flight safety

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An evolving aviation risk landscape

- New safety landscape created by the pandemic
- Conflict zones
- Drones
- Digital aviation increases cybersecurity risks
- Health safety
- ...



GNSS
jamming



An evolving aviation risk landscape

- **Integrated Risk Management** of any risks that might impact the integrity of a flight
- Challenging to implement
- Different cultures and constraints to integrate in the different safety domains but also from different fields (conflict zones, environment, health...)
- Importance of a data driven approach based on information and data sharing



Data4Safety

Partnership for Data Driven Risk Management



SAFE360°

An all round perspective on aviation safety
Integrating aviation safety domains

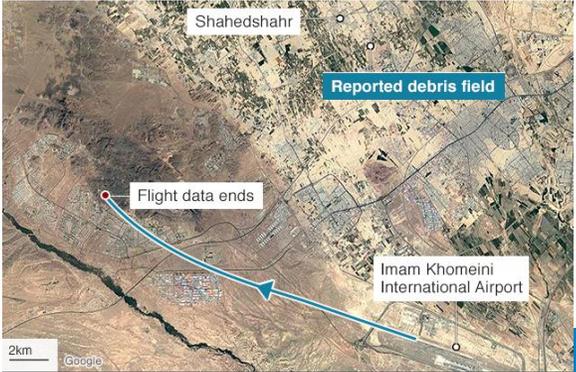
EU Conflict Zones Alerting System

MH-17 / JULY 2014

European High Level Task Force on Conflict Zones

EU Conflict Zones Alerting System

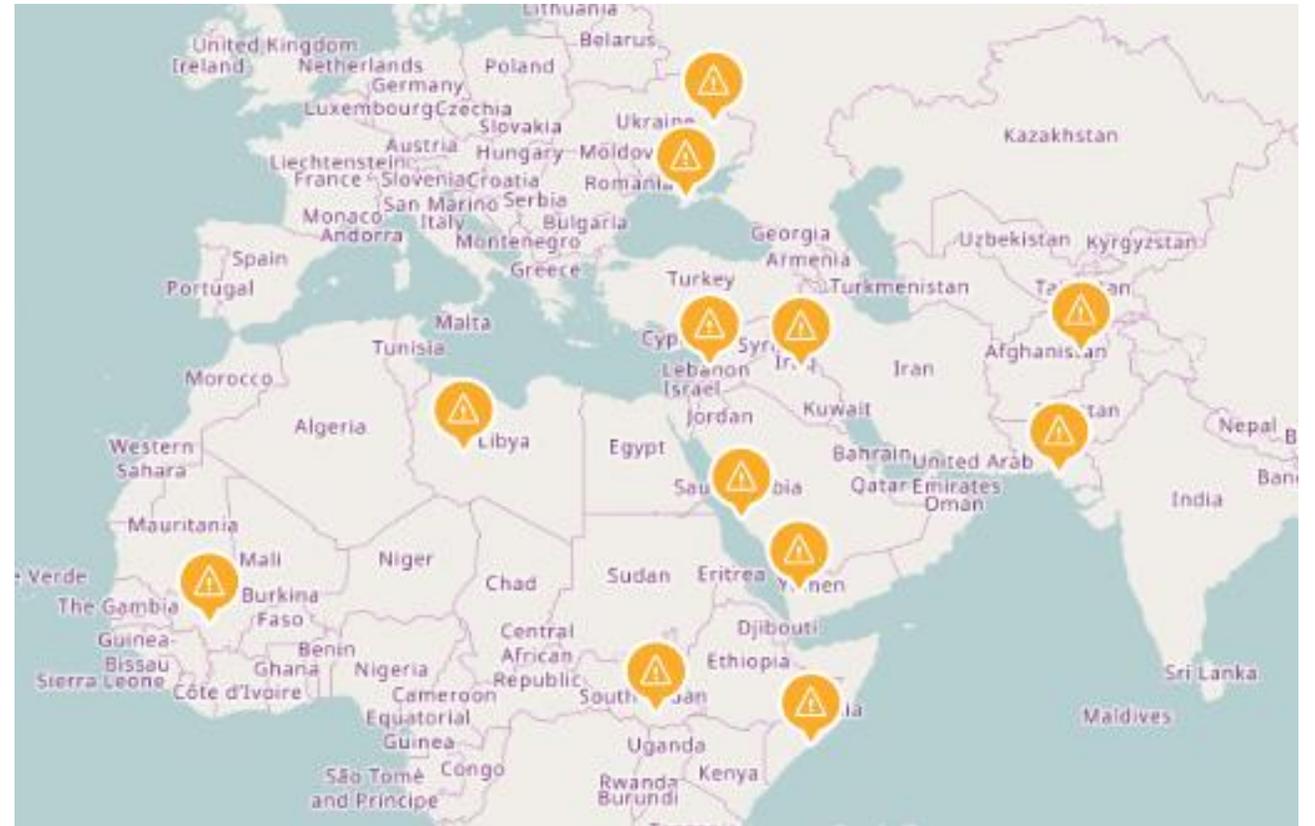
Extension of EASA competencies to conflict zones



Current Active Conflict Zone Information Bulletins

Publication date	Valid until	Subject/CZIB number	More info
16/07/2021	30/09/2021	Airspace of Iran CZIB-2020-01R2 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Afghanistan CZIB-2017-08R7 ACTIVE	i
30/04/2021	30/10/2021	Airspace of South Sudan CZIB-2018-03R6 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Mali within Niamey Flight Information Region CZIB-2017-01R9 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Saudi Arabia – Jeddah Flight Information Region CZIB-2018-01R7 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Libya CZIB-2017-02R8 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Iraq CZIB-2017-04R8 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Syria CZIB-2017-03R8 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Somalia CZIB-2017-05R8 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Yemen – Sana'a Flight Information Region CZIB-2017-07R8 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Pakistan – Karachi and Lahore Flight Information Regions CZIB-2018-02R8 ACTIVE	i
30/04/2021	30/10/2021	Airspace of Egypt Sinai Peninsula CZIB-2017-09R7 ACTIVE	i

CZIB Publications



EASA Information Notes

Ethiopia (Tigray region), Kingdom of Saudi Arabia, Armenian/Azeri and more recently Afghanistan

European Information Sharing and Cooperation Platform on Conflict Zones

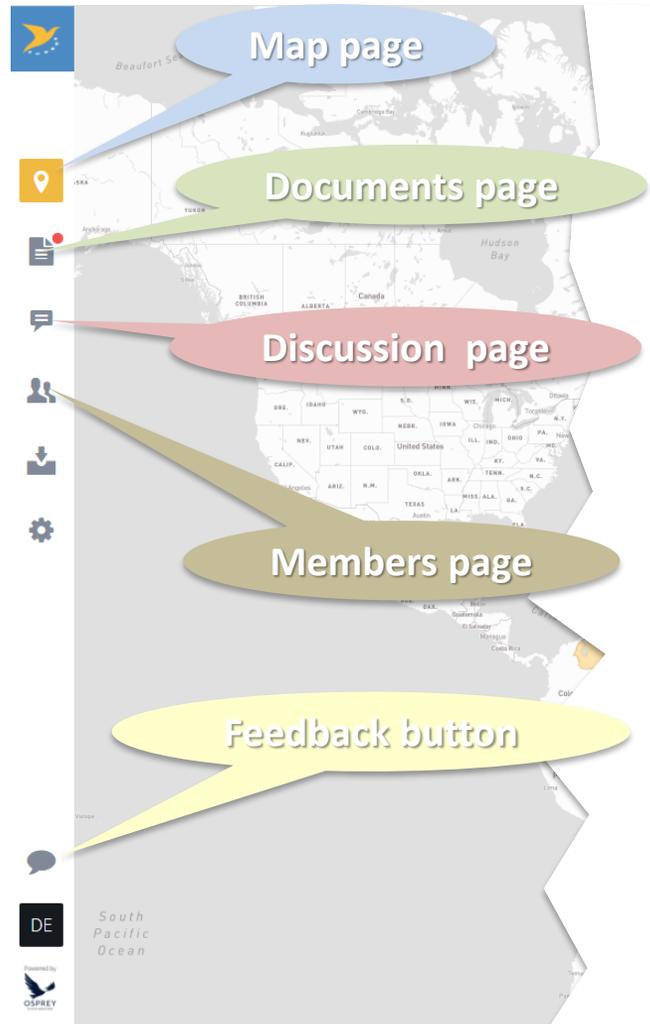
■ Objectives:

- support to the existing EU Conflict Zone Alerting System and particularly the 'Integrated EU Aviation Security Risk Assessment Group'
- improve the availability and swiftness of relevant information exchange
- support EU Institutions, Member States and air carriers in conducting their own risk assessments

■ Membership:

- European Union Institutions and Agencies
- Member States
- Commercial Aviation Operators (AOC issued by EASA, EASA Member States or the United Kingdom)

EASA CZ Platform functionalities



- Reporting on risk and threats on CZ worldwide:
 - *Updated – dynamic - comprehensive & consistent*
- Information sharing:
 - *Regulatory (aeronautical publications issued by Member States) - advisory (alerts)*
- Collaborative platform:
 - Comments – discussions – sharing further information

Conclusions

- New emerging risks are already a reality
- Integrated Risk Management becoming a necessity
- Data capture, information sharing and capacity to analyse as a basis to address emerging risks and future crises events

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