



ICAO - RPAS Symposium

Rob Eagles - Director ATM Infrastructure

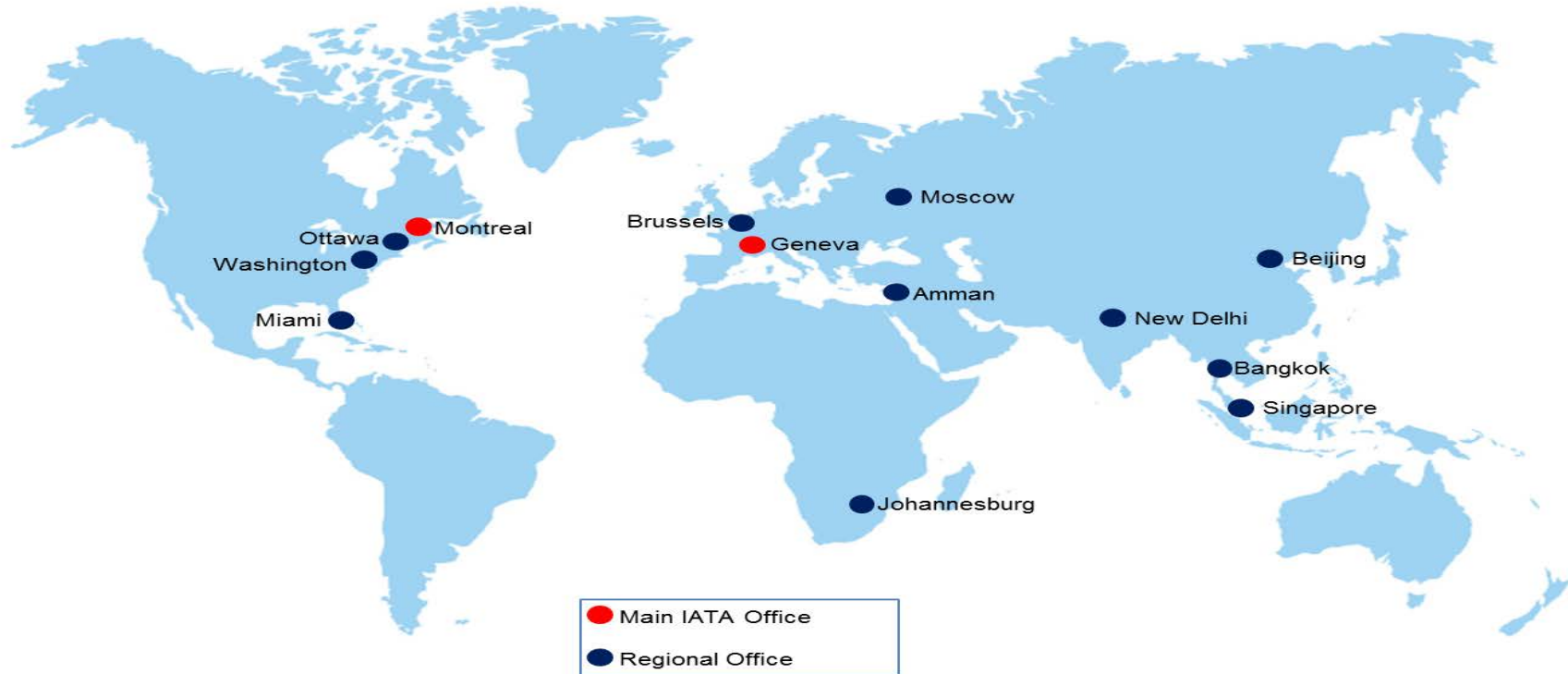


IATA

- Represent 84% of commercial carriers
 - Safety number 1 priority
- Global operations and reach
 - USD 380 Billion per year
- Significant operational expertise
 - Safety & Flight Operations
 - Regulations and CONOPS



SFO Offices Worldwide



IATA SIX POINT SAFETY STRATEGY



**Reduce
Operational
Risk**

S



**Ensure Quality
and
Compliance**

A



**Advocate for
Improved
Aviation
Infrastructure**

F



**Support
Consistent
Implementation
of SMS**

E



**Support
Effective
Recruitment
and Training**

T



**Identify and
Address
Emerging
Safety Issues**

Y

IATA priorities - RPAS

- Safety
 - ICAO High Level Safety Conference
- Security
 - Threats
- Aviation spectrum
 - Interference
- Airspace
 - Access and efficiency

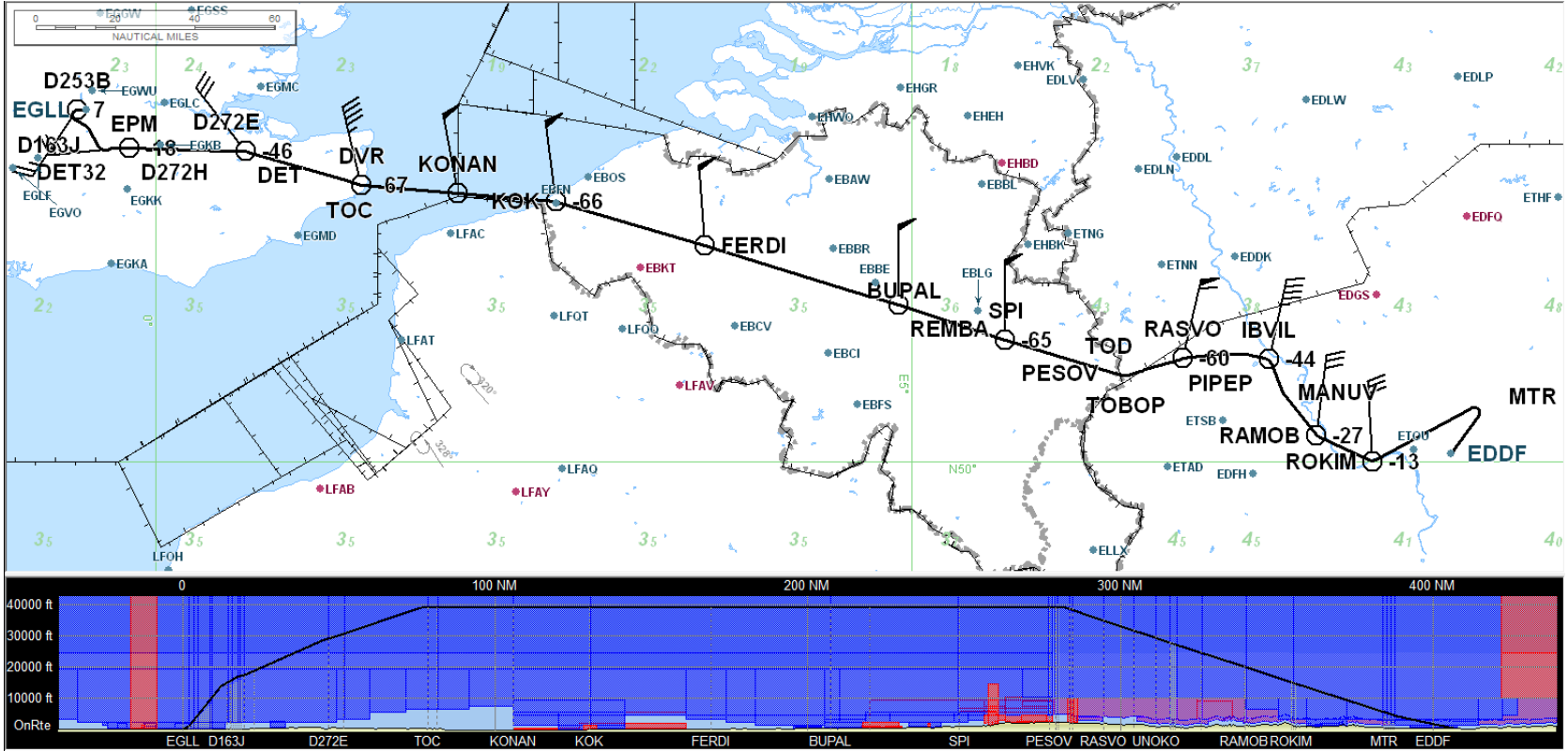


HLSC paper

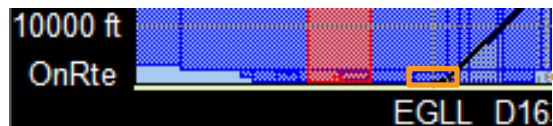
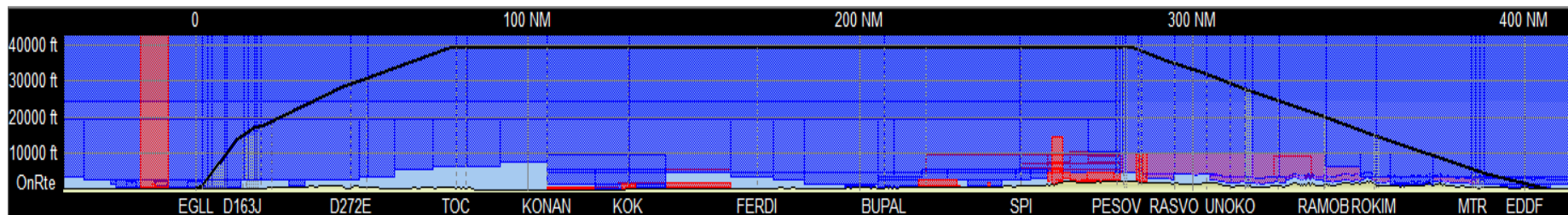
- Incidents near airports
 - Irresponsible and dangerous use
 - Significant industry support
- Regulations/laws
 - Enforceable – false sense of security
 - Domestic
- Airspace



London - Frankfurt



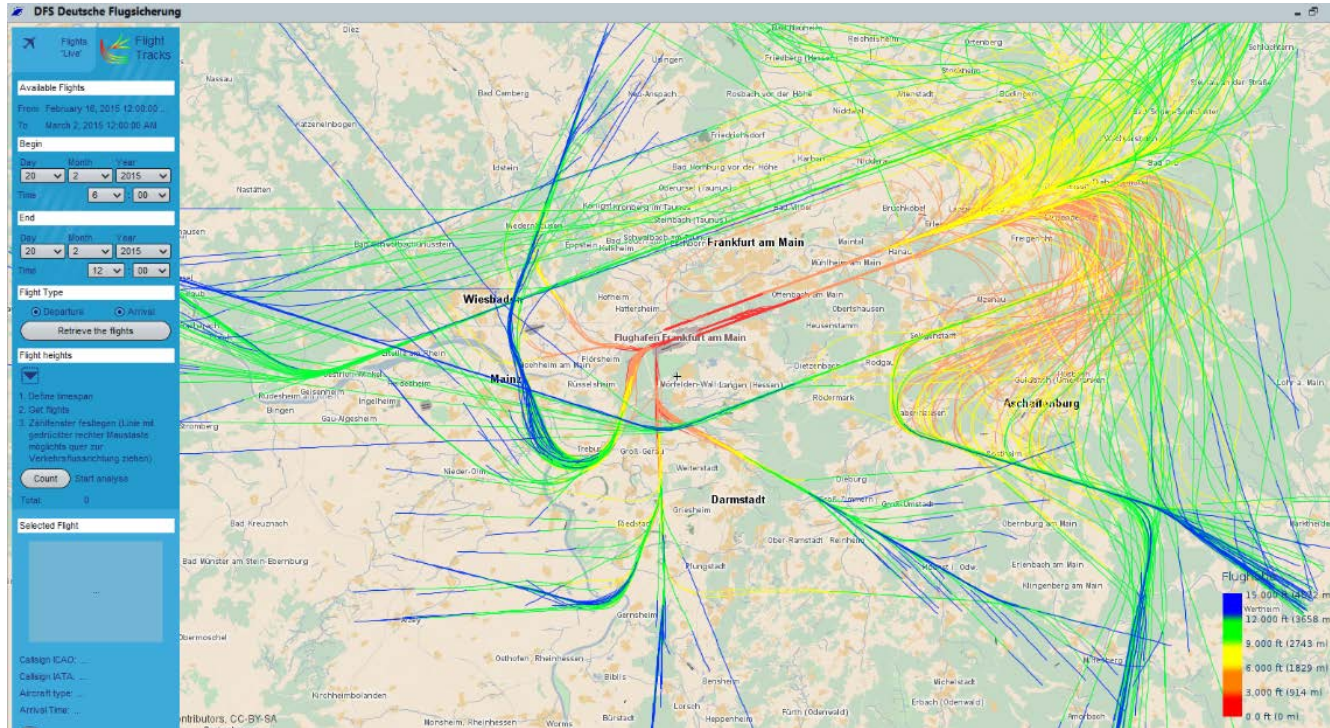
Airspace



Airliners particularly vulnerable to
small UAVs near airports



IFR - Frankfurt



Airspace

➤ Considerations

- Access and efficiency
- Reserved airspace and restrictions
- Standards and Recommended Practices
 - Technology

➤ RPAS

- Cyber security
- Sense / avoid / Command Control links vulnerability
- Performance of RPAS vehicles
- Failure modes - fail safe

Goals and Drivers

- Different areas
 - Societal
 - Commercial
 - Government application
 - Personal media
 - Malicious
- Work methodology / protocols
 - Consistent
 - Time based
 - Logical
 - Inclusive

Key points

- Safety is #1!
 - Professional' operator versus amateur - where are the hazards?
- Rules and regulations
 - Appropriate and enforceable
 - Airspace integration challenges (different vehicles/operations)
- New aviation meets established aviation
 - Inclusive work methodology
 - Safe, practical and consistent



70 1945—2015
YEARS
Flying better. Together.

