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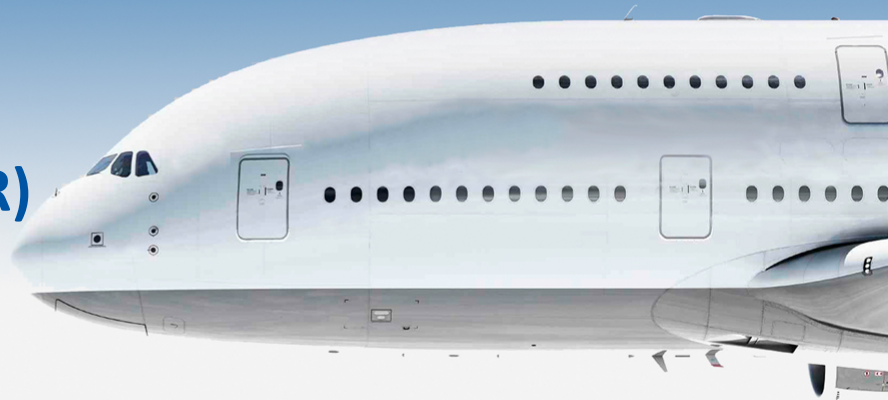


# RASG-EUR Accident Investigation and ECCAIRS user Workshop

**RASG EUR Annual Safety Report (ASR)  
2018**

ICAO EUR/NAT, Paris

8-10 April 2019





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## ICAO EUR ASR structure

FOREWORD

EXECUTIVE SUMMARY

1. ACCIDENT STATISTICS
2. REGIONAL SAFETY PERFORMANCE
3. SAFETY OVERSIGHT AUDITING ACTIVITIES
4. SAFETY PRIORITIES FOR RASG-EUR
5. SAFETY ENHANCEMENT ACTIVITIES IN 2018

APPENDIX – LIST OF ACCIDENTS

GLOSSARY



# Geographical scope





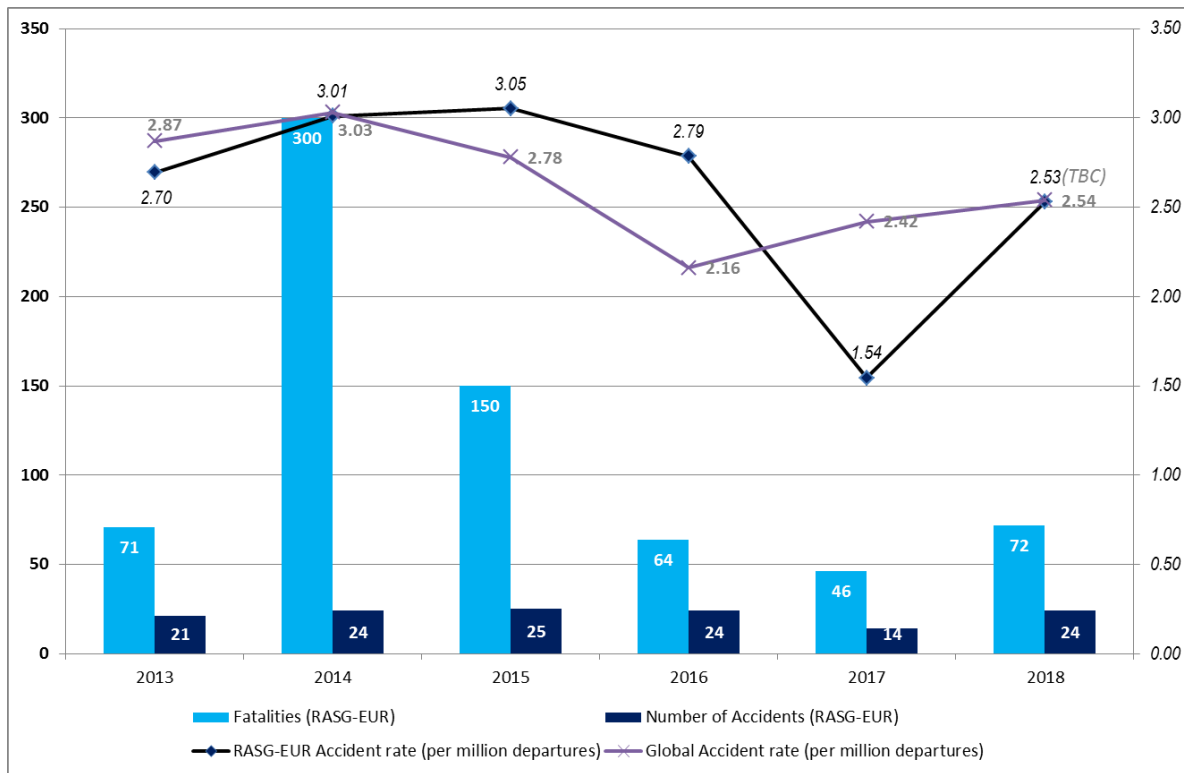
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## Accidents in the EUR/NAT Regions involving scheduled commercial operations with fixed-wing aircraft with a MTOW greater than 5700 kg in 2018





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## 1. Accident Statistics

### 1.1 Accident rate

Year	Departures (millions)	Number of Accidents	Accident rate (per million departures)	Fatal Accidents	Fatalities
2013	7.79	21	2.70	2	71
2014	7.98	24	3.01	2	300
2015	8.19	25	3.06	1	150
2016	8.62	24	2.79	2	64
2017	9.06	14	1.54	3	46
2018	9.49	24	2.53	2	72



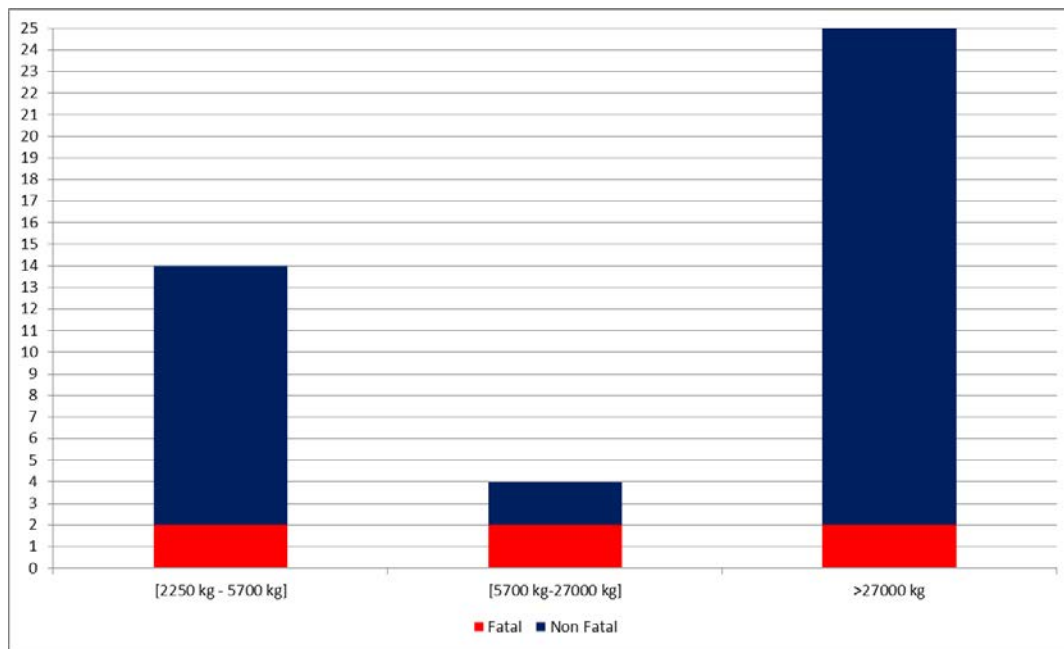
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## Accidents involving aircraft of maximum mass of over 2 250 kg which occurred in the EUR/NAT regions in 2018 by mass groups





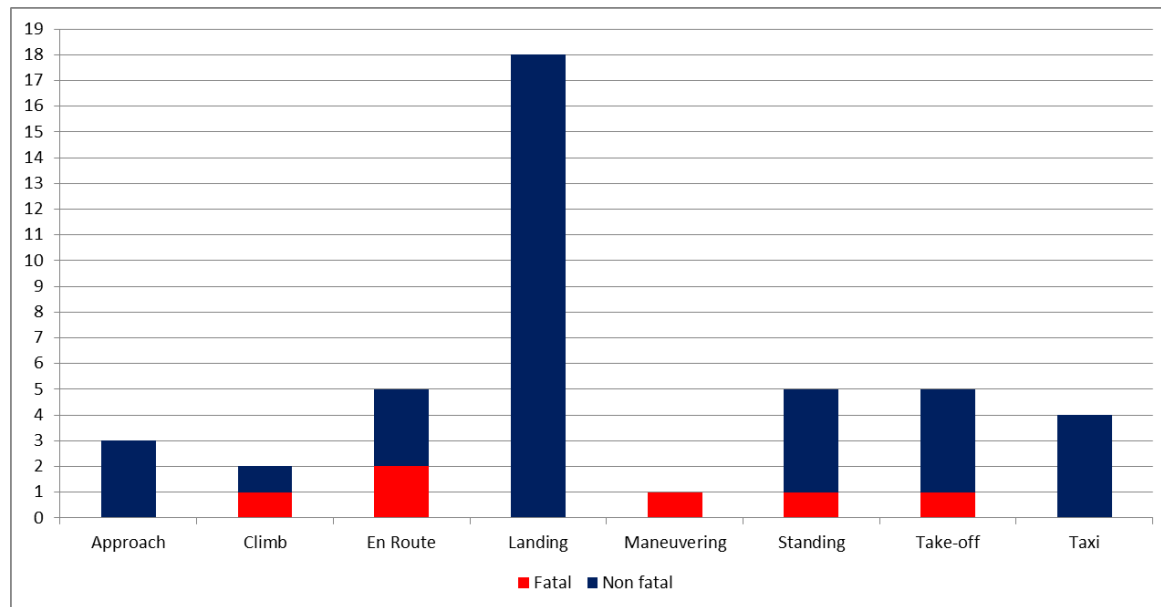
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## Accidents involving aircraft of maximum mass of over 2 250 kg which occurred in the EUR/NAT regions in 2018 by flight phases





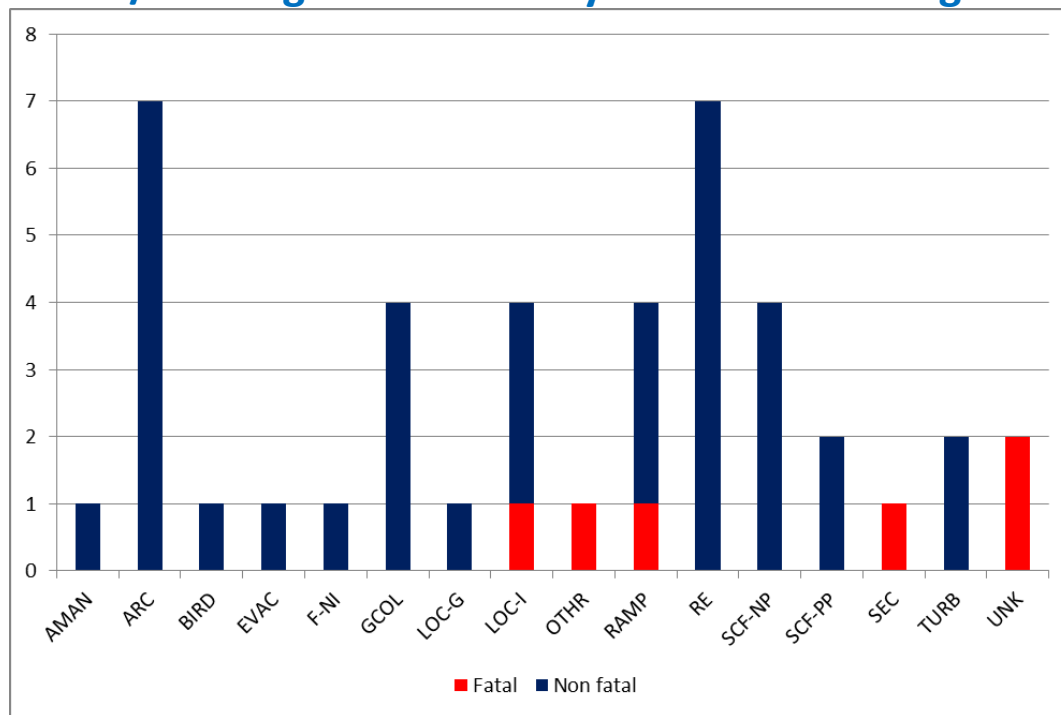
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## Accidents involving aircraft of maximum mass of over 2 250 kg which occurred in the EUR/NAT regions in 2018 by Occurrence Categories





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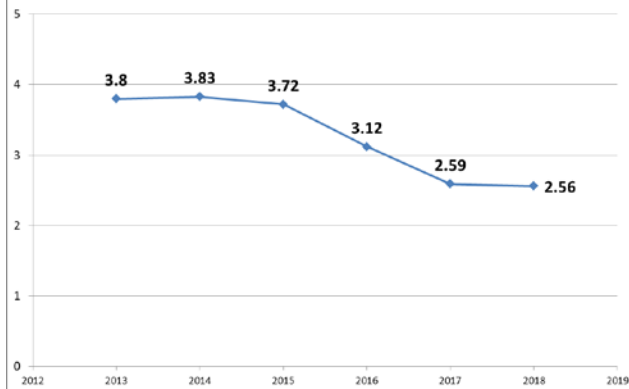
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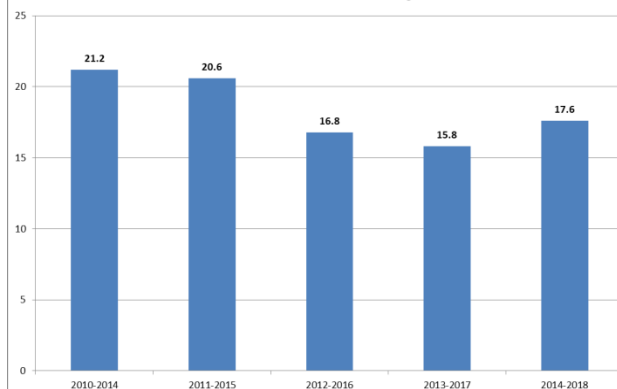


## RASG-EUR Safety Targets

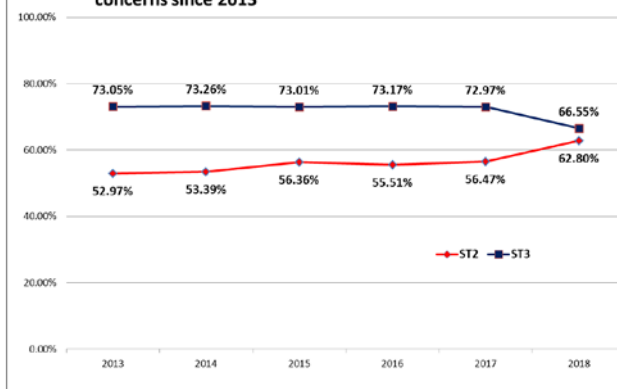
ST1 - 5-year moving average accident rate in scheduled commercial air transport since 2013 (for aircraft with a maximum mass above 5,700 kg)



ST1 - Moving average of the number of accident involving scheduled commercial operations with aircraft of maximum mass of over 27 000 kg



ST2 - CAA resources  
ST3 - Certification, surveillance and resolution of safety concerns since 2013





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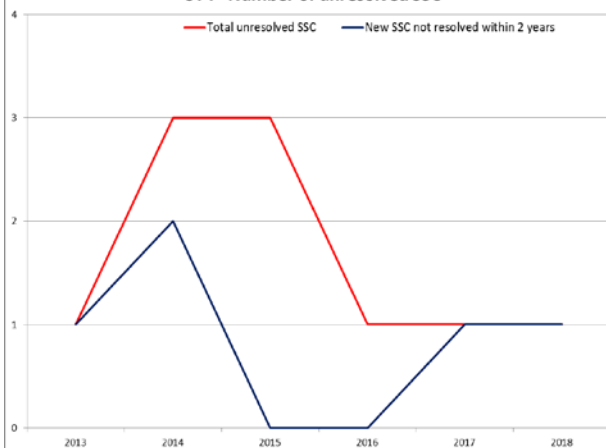
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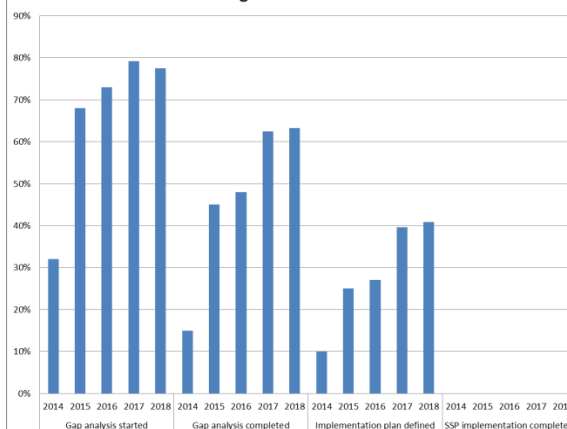
## RASG-EUR Safety Targets

ST4 - Number of unresolved SSC

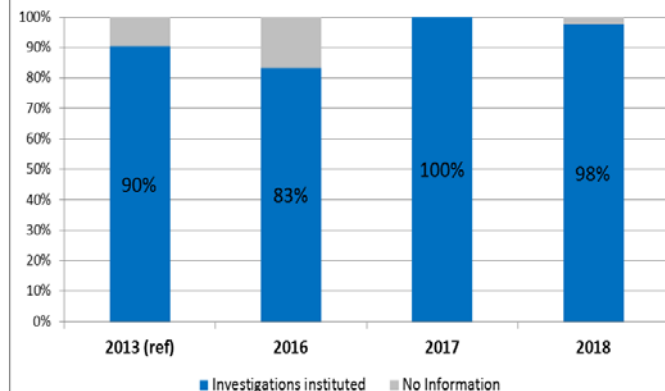
— Total unresolved SSC — New SSC not resolved within 2 years



ST5 - SSP Implementation of States in EUR/NAT regions having an EI 60% or above

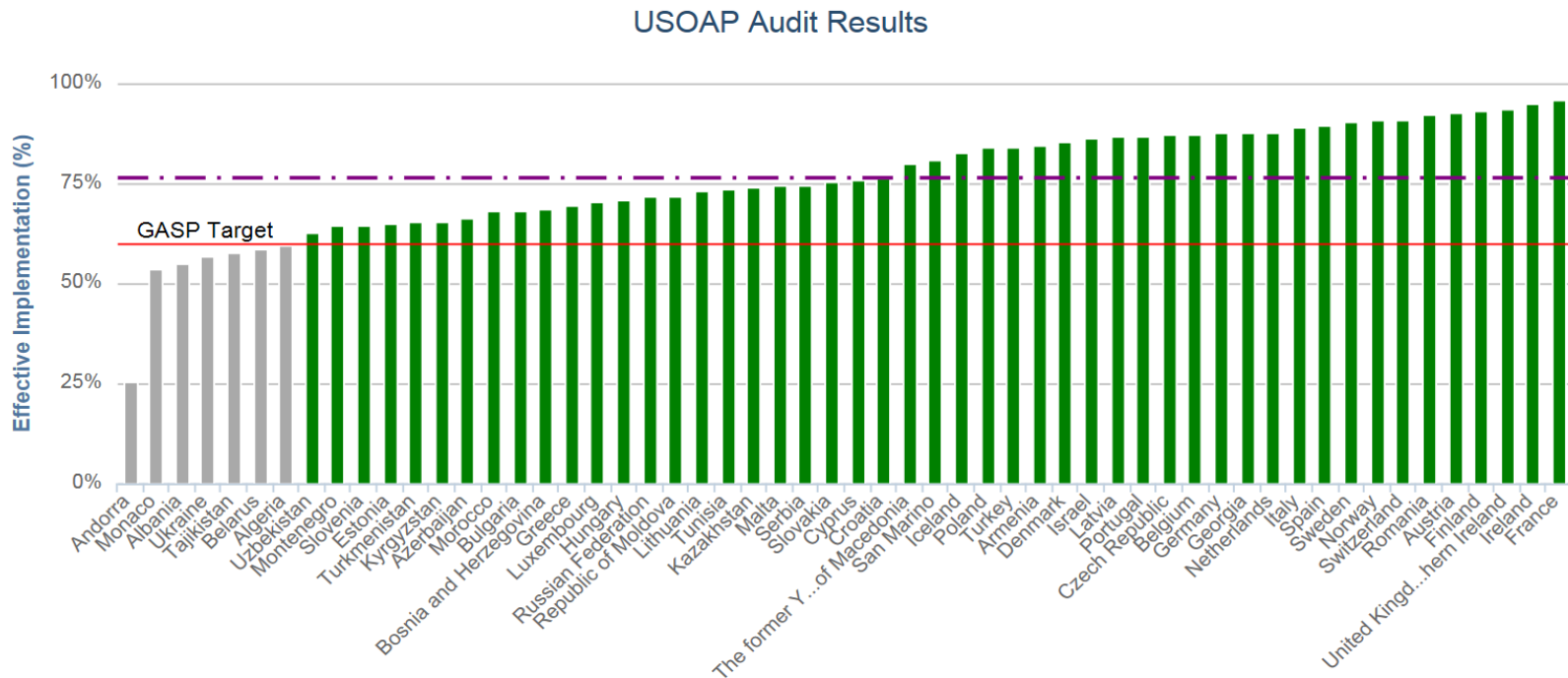


ST6 - Ratio of investigations instituted into accidents involving aircraft of maximum mass of over 2 250 kg in EUR/NAT Regions





## USOAP Audit Results for States in EUR/NAT regions as of 31 Dec. 2018 (Source iSTARS)





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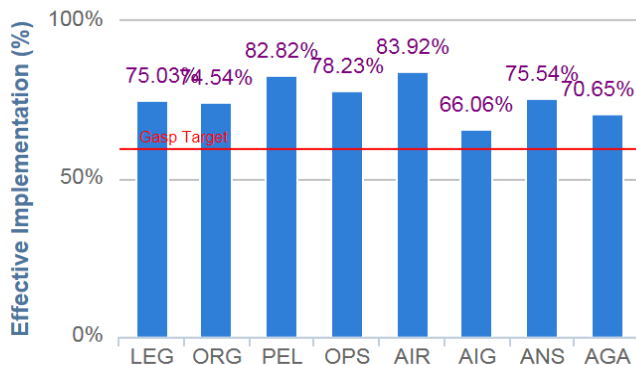


## USOAP Audit Results for States in EUR/NAT Regions by Area and CE as of 31 Dec. 2018 (Source: iSTARS)

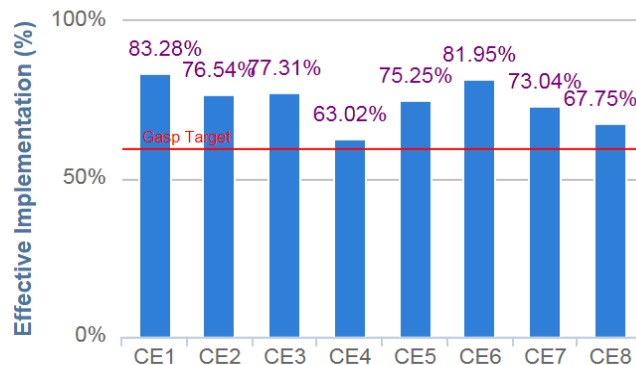
### USOAP Results by Area and Critical Element

8 areas and 8 critical elements are above the target of 60% EI.

EI by Area



EI by Critical Element





## ICAO EUR/NAT Safety Priorities and Safety initiatives undertaken in 2018

- **Initiatives addressing issues related to Runway Safety**
  - *RWY SAF Goteam to Malta*
  - *Safety promotion videos for Runway incursion prevention*
  - *SEIs related to runway safety (Air operators' SOPs, LRSTs) - IE-RSG work programme*
- **Initiatives addressing issues related to Loss of Control in-flight**
  - *Safety promotion videos for Loss of control in flight prevention*
  - *SEI related to pilot training (IE-PTG work)*
- **Initiatives addressing issues related to CFIT**
  - *IE-REST Task 12/03 to further develop recommendations with regards to implementation of IATA CFIT Accident Analysis Report in RASG-EUR*



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## ICAO EUR/NAT Safety Priorities and Safety initiatives undertaken in 2018

- **Initiatives addressing issues related to Safety Oversight Capabilities**
  - *CMA USOAP workshop EUR/NAT, Paris, France - 11 to 13 September 2018*
  - *A draft standardized training programme for the safety oversight personnel in the areas of PANS-OPS and Aeronautical Charts (to be finalized and delivered in 2019)*
  - *TA capacity building projects to assist States in resolution of SSC and improvement of SAF oversight system*
    - *EUR NAT KGZ 16004 phase 1 project (still ongoing at the end of 2017)*
    - *EUR NAT KGZ 16004 phase 2 project*
    - *ICAO EUR NAT AGA 18001 project – Aerodrome Certification Workshop for Maghreb States*
    - *ICAO EUR NAT TAP mission to Azerbaijan*
    - *ICAO EUR/NAT TA Workshop, Tirana, Albania*
    - *ICAO EUR NAT Technical Assistance mission to Ukraine (Kyiv, 5-10 November 2018)*



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## ICAO EUR/NAT Safety Priorities and Safety initiatives undertaken in 2018

- **Initiatives addressing EUR Air Navigation deficiencies and contingency plans**
  - *Volcanic Ash Preparedness for 2018/2019 in the EUR/NAT Regions*
    - *VOLCEX18 took place on 28 November 2018 from 0800 to 1600 UTC. VOLCEX18 simulated a volcano eruption of Öræfajökull in Iceland that produced a simulated volcanic ash cloud which impacted most of the ICAO EUR Region as well as the ICAO NAT Region west to the Canadian Flight Information Regions (FIRs).*
    - *VOLKAM18 took place from 2200 UTC on 19 April 2018 to 0200 UTC on 20 April 2018. VOLKAM18 simulated a volcano eruption of Zheltovsky in Kamchatka, Russian Federation that produced a simulated volcanic ash cloud which impacted trans-east, northern Pacific (NOPAC) and Pacific Organised Track System (PACOTS) routes. VOLKAM18 also simulated a second volcano eruption of Khangar in Kamchatka, Russian Federation that produced a simulated volcanic ash cloud which impacted trans-east routes.*



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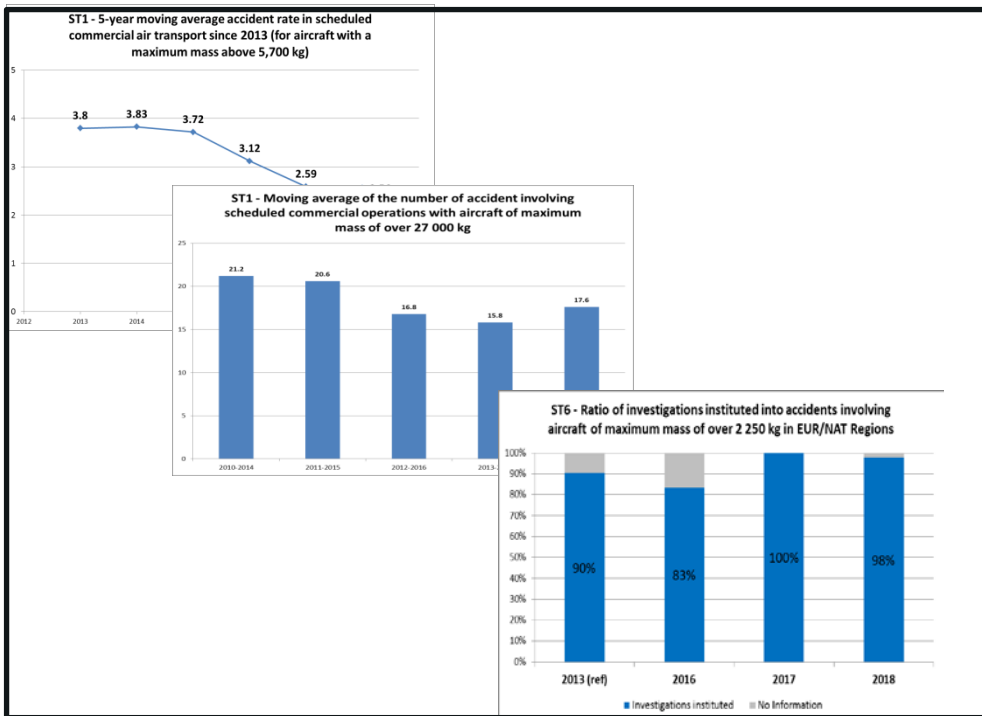


## ICAO EUR/NAT Safety Priorities and Safety initiatives undertaken in 2018

- **Initiatives addressing Safety Management capabilities**
  - *ICAO Workshop on the Investigation of Cabin Safety Aspects in Accidents and Incidents (Istanbul, Turkey, 4-5 October 2018)*
  - *ICAO SSP implementation workshops*
    - *Podgorica, Montenegro, 18-19 December 2018*
    - *Chisinau, Republic of Moldova, 25-26 September 2018*
  - *ICAO EUR/NAT Technical assistance mission in SMS and SSP implementation*
    - *Technical Assistance mission to Morocco from 13 to 16 February 2018*



## (Proposed) AIG Key Performance Indicators for RASG-EUR



- % notified accidents >2250 kg to ICAO
  - Annex 13, 4.1 e)
- +
- Years to complete Final reports for accidents >2250 kg
  - Annex 13, 7.5
- ?

Already in RASG-Eur ASRs



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**Thank you you for your attention**  
**Спасибо за внимание.**