

The European Safety Risk Management (SRM) process

Project EuroMed Transport Aviation Project (ETAP)

MENA ARCM/4 Meeting – The Prevention of Aircraft accidents and incidents through the collection & Analysis of safety data & information

10-12 July 2023 , Rabat, Morocco

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EASA

Your safety is our mission.

Introduction – the need



This project is funded by the European Union
and implemented by EASA



To help the European Aviation Safety System to focus safety action resources on the highest safety risks



To reduce risk levels with the direct involvement of the European Stakeholders and Member States



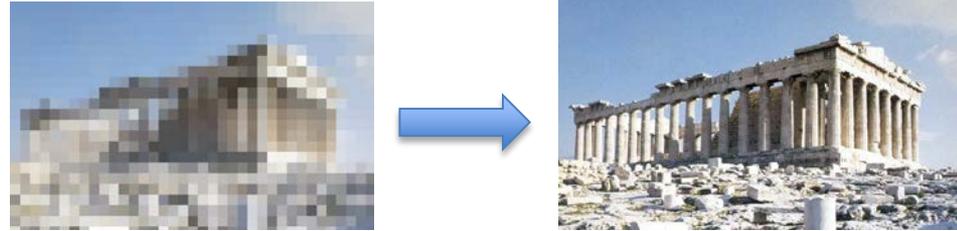
To complement the safety management done at organisation and State level, with the Regional overview (RSOO role)

Objectives of the Safety Risk Management



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→ See it coming & produce actionable safety intelligence!



→ Objectives:

- Objective 1 : To identify and connect safety issues with safety actions in a systemic and proactive manner in order to increase the EU safety level
- Objective 2: To feed the safety programme (EPAS) with prioritised safety actions
- Objective 3: To establish a feedback loop to assess the effectiveness of safety actions and the changing level of safety of the aviation system

Legal framework that underpins the Safety Risk Management process



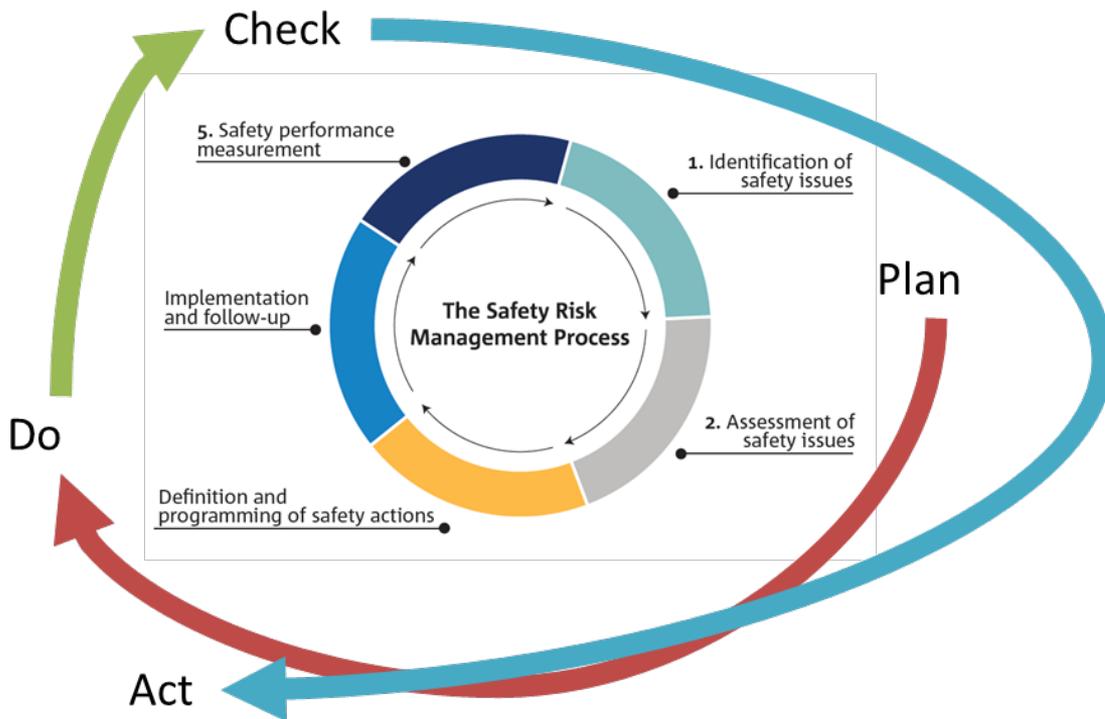
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- **ICAO Annexes 19 & 13**
- **Regulation (EU) No 376/2014 on the reporting, analysis and follow-up of occurrences in civil aviation** and its implementing regulations
- **Regulation (EC) No 2018/1139 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency** and its implementing regulations
- **Regulation (EU) No 996/2010 on the investigation and prevention of accidents and incidents in civil aviation**

Safety Risk Management



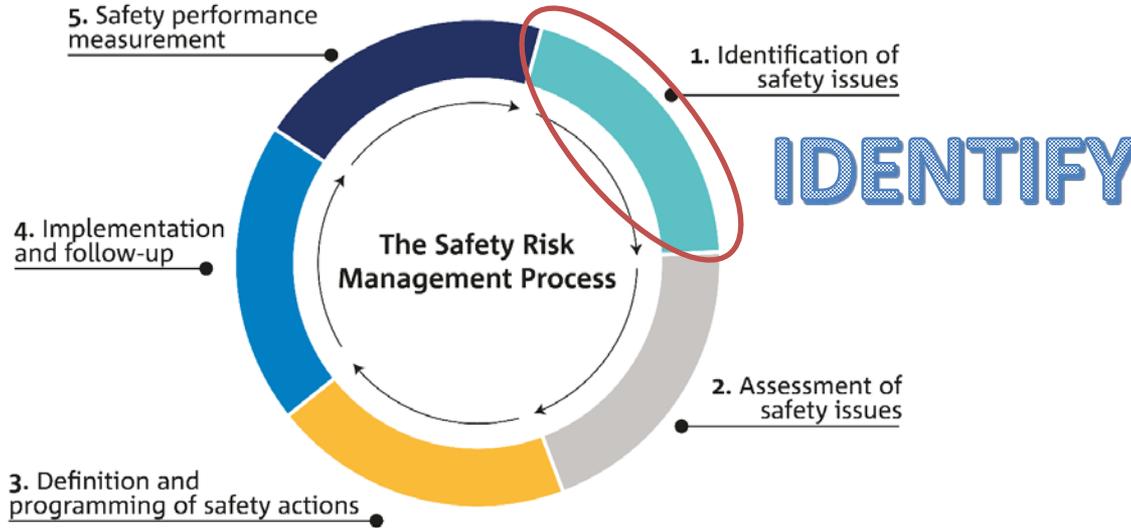
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Safety Risk Management - Identify



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Goal:

Identification of safety issues from occurrence data or brought to attention of EASA by safety experts partners from national aviation authorities and industry.

Outputs:

Safety risk portfolios ,
A prioritised list of safety issues per SIPI (Safety issue priority index)



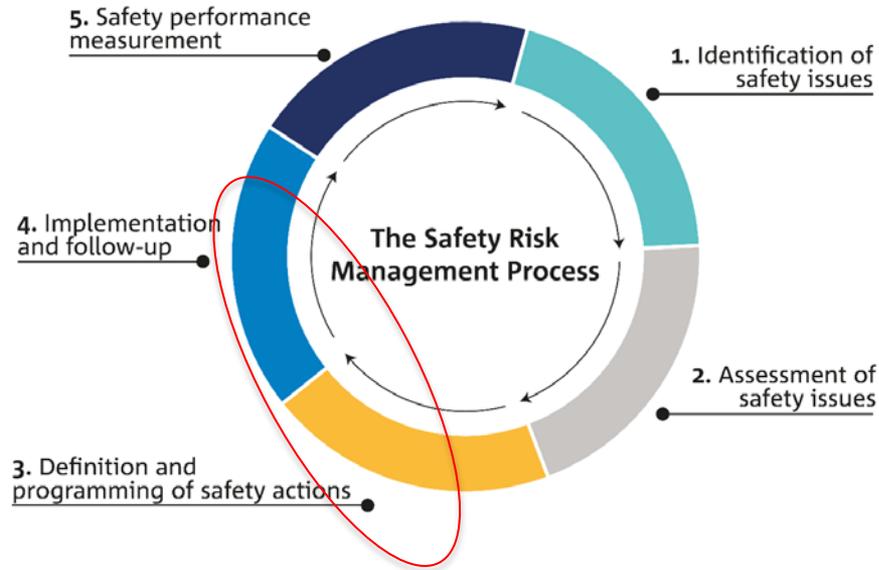
Goal: Examining a safety issue in detail to understand the causes, existing or committed actions and areas of weaknesses that need to be mitigated.

Outputs:
Safety issue assessments,
Detailed review of priority safety issues to identify the causes and potential mitigating actions

SRM steps 3&4 – Definition and implementation of mitigating actions



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Goal: incorporating defences, preventive controls or recovery measures to lower the severity and/or likelihood of a hazard's projected consequence.

Outputs: Planning and programming of mitigating actions

- Definition through best intervention strategy (BIS)
- European Plan for Aviation Safety (EPAS)

Implementing actions: Rules and AMC/GM; Member State tasks; Research; Safety promotion materials/tasks

The SRM Stakeholder



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→ The SRM is a voluntary and collaborative process!



1, 2 and 5 are performed with our *Collaborative Analysis Groups (CAGs)*,

- These are subject matter experts,
- From our safety partners.

3 and 4 are consulted with our *Advisory Bodies*

The SRM main deliverables



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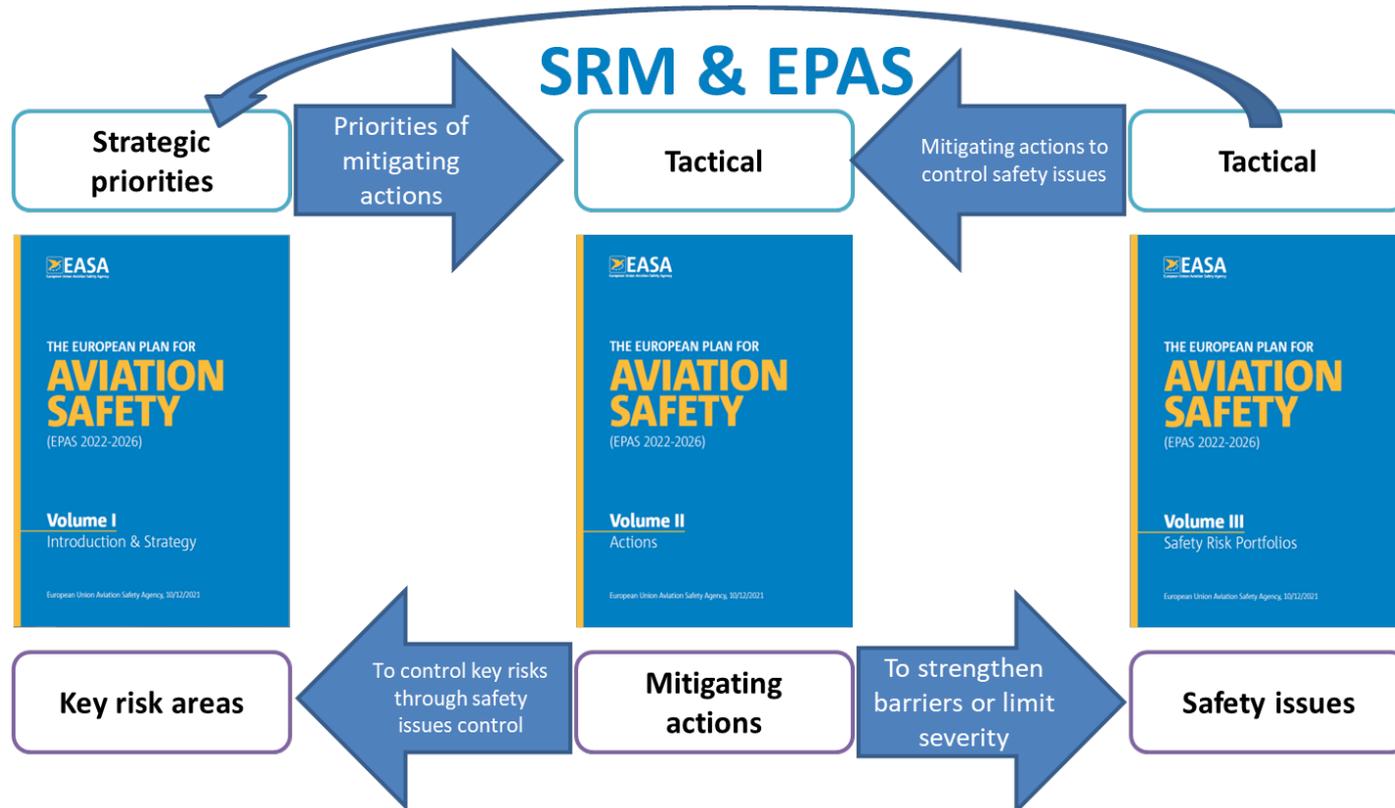
- Annual Safety Review
- European Plan for Aviation Safety



SRM & EPAS



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Conclusions



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- **SRM is a collaborative process** that follows *plan-do-check-act* cycle
- **Close cooperation with safety partners is essential** to identify, prioritise and assess risks and seek for possible and most appropriate mitigating actions
- **EPAS** is the EASA document that communicates:
 - all the agreed actions to mitigate risks from the safety issues – EPAS Vol. II;
 - it presents the safety risk portfolios – EPAS Vol. III
 - Strategic priorities – EPAS Vol. I
- **Annual safety review (ASR)** – is the EASA document to inform general public about the safety performance of the EU civil aviation system



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