

Investigation Cooperation Mechanisms (ICMs)

Panel 4 : AIG Panel and Working Group 23 Work Progress

Aviation Safety and Aircraft Accident and Incident
Investigation Seminar

Abu Dhabi, UAE, 21 November 2024

Olivier Ferrante, AIGP Chairperson

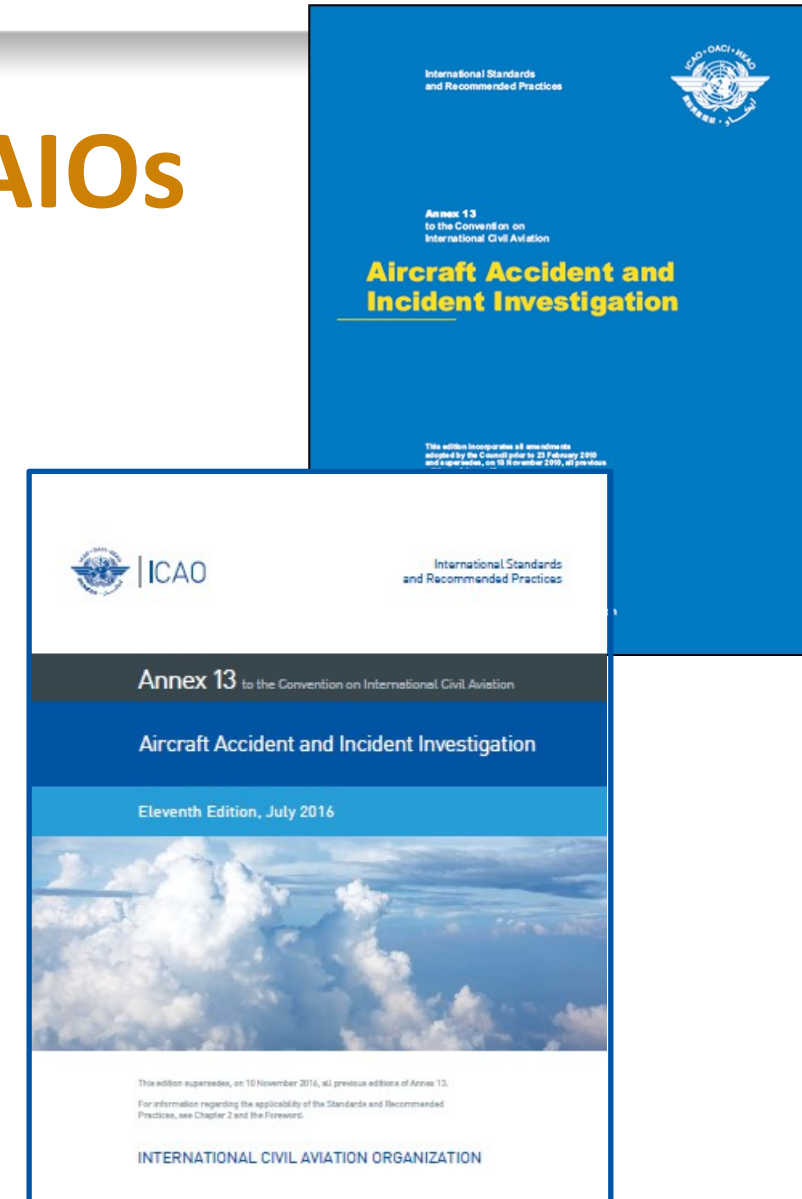
Outline

- Context of AIAs and RAIOs
- 2019 – 40th Session of the Assembly
- The RAIO/ICM Cooperative Platform
- AIGP activities
- Drafting the manual (what content?)

Context of AIAs and RAIOs

Annex 13 Amendment No 15 (November 2016)

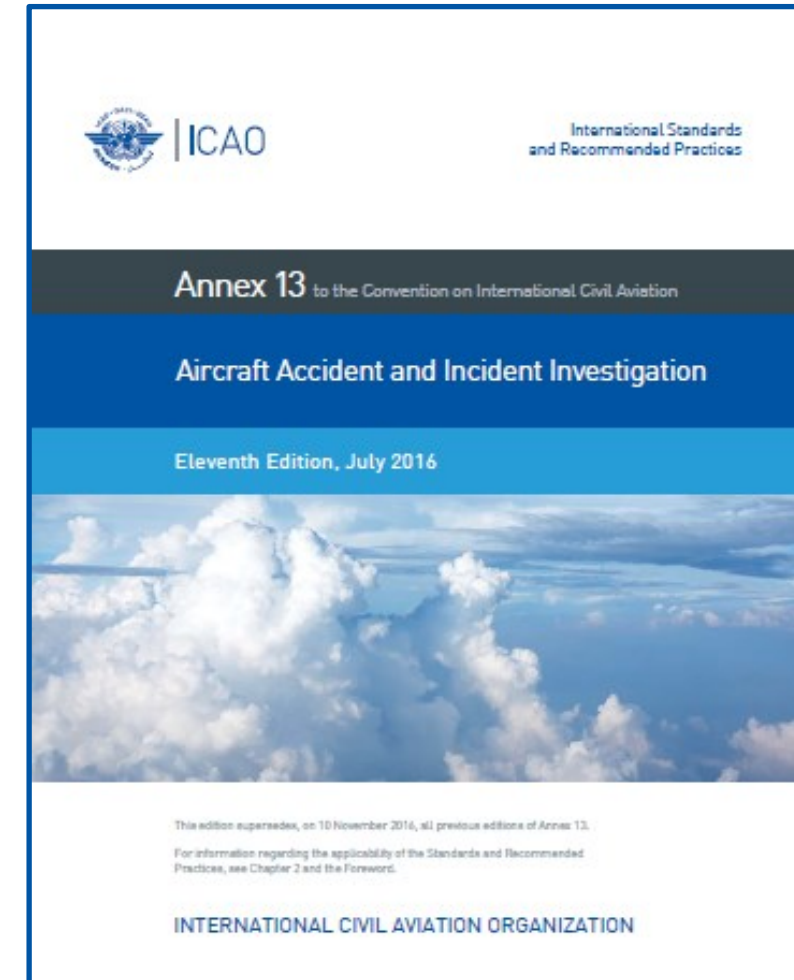
- 3.2 A State shall establish an **accident investigation authority** that is independent from State aviation authorities and other entities that could interfere with the conduct or objectivity of an investigation.



Context of AIAs and RAIOs

The new standard 3.2 can be read in the context of standard 5.1

- *5.1 The State of Occurrence shall institute an investigation into the circumstances of the accident and be responsible for the conduct of the investigation, **but it may delegate the whole or any part of the conducting of such investigation to another State or a regional accident and incident investigation organization (RAIO) by mutual arrangement and consent.** In any event, the State of Occurrence shall use every means to facilitate the investigation.*



AIAs and RAIOs

Ad-hoc investigation commissions have shown their limits because they are disbanded at the end of the investigation:

- No capitalisation of experience
- Difficulties to follow up the safety recommendations
- AIAs provide an answer but need time and resources
- RAIOs should enable to pool resources and gain efficiency in sharing costs and experience
- However, it could have an impact on seamless coordinations with local authorities in the aftermath of the accident

40th Session of the Assembly

Topic of RAIOs and cooperative mechanism raised by a number of WPs

WP/74 REGIONAL ORGANIZATION TO IMPROVE THE AVIATION SAFETY - ESTABLISHMENT OF THE REGIONAL ORGANIZATION OF ACCIDENT INVESTIGATION OF CENTRAL AMERICA (GRIAA) by Members States of the Central American Corporation for Air Navigation Services (COCESNA)

WP/91 REGIONAL COOPERATION IN THE FIELD OF INDEPENDENT AIRCRAFT ACCIDENT INVESTIGATION AND AVIATION SAFETY ASSURANCE by The Interstate Aviation Committee

WP/95 REGIONAL COOPERATION IN AIG FUNCTIONS by The United Arab Emirates

40th Session of the Assembly (cont'd)

WP/111 RESILIENCE TO A MAJOR ACCIDENT – COOPERATION, MUTUAL SUPPORT AND REGIONAL ACCIDENT AND INCIDENT INVESTIGATION ORGANISATIONS (RAIOS) by Finland on behalf of the Member States of the European Union, the European Civil Aviation Conference and EUROCONTROL

WP/155 PROPOSED CONTINENTAL STRATEGY AND ACTION FOR THE ESTABLISHMENT OF REGIONAL AIRCRAFT ACCIDENT AND INCIDENT INVESTIGATION ORGANIZATIONS by the 54 Contracting States, Members of the African Civil Aviation Commission (AFCAC)

WP/371 CONTRIBUTION OF AIG COOPERATION MECHANISMS TO AVIATION SAFETY by Argentina

→ **All these states/regions are involved in the AIG Panel**

Outcome of 40th Session

The Council on the 40th Session of the Assembly agreed to:

- Promote mutual support and raise regional cooperation;
- Encourage States to consider establishing investigation cooperation mechanisms as an alternative to RAIOS; and
- Review and expand guidance in Doc 9946 to reflect other existing models of investigation cooperation mechanisms.

AIGP/6: Regional cooperation in accident and incident investigation

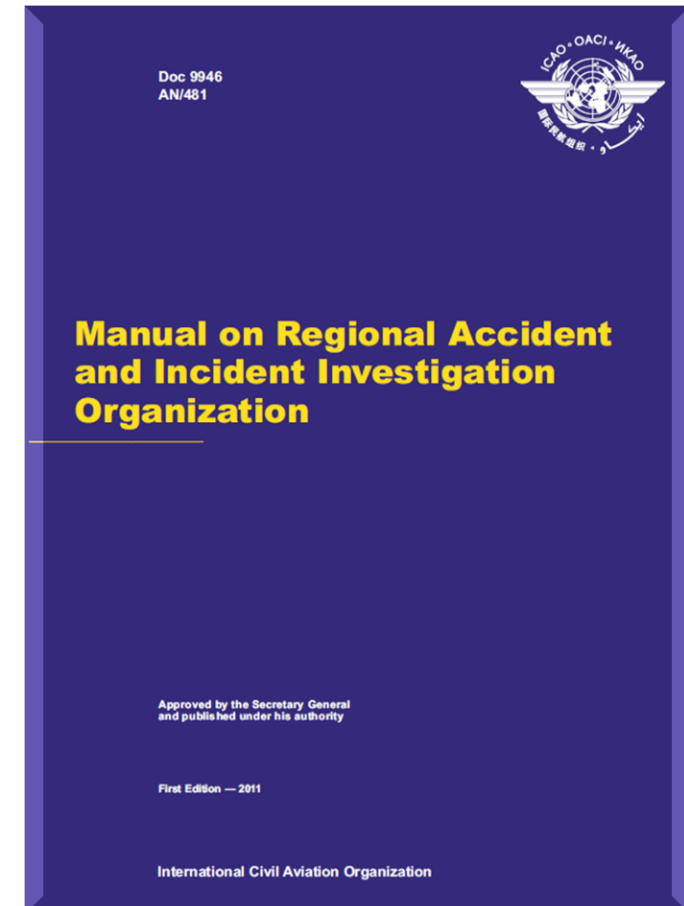
- Emphasize the role and obligations of each State AIAs
- Encourage mutual support between national AIAs
- Propose to expand the concept of RAIOs to include the global experience of other models and best practices that have been developed

Objective:

- To review and enhance ICAO DOC 9946 on RAIOs

Proposal:

- AIGP to support the ICAO Secretariat in expanding DOC 9946 with the worldwide experience in investigation cooperation mechanisms
- **Creation of AIG Working Group 23 [chaired by UAE]**



AIGP WG23

- The AIGP has a working group (WG23) on regional cooperation
- Large survey was sent out in 2023 and analysed
- Investigation Cooperation Mechanisms to be developed
- Work with RAIO/ICM CP



ICAO

SAFETY

RAIO Cooperative Platform

<https://www.icao.int/safety/Implementation/Pages/RAIO-Cooperative-Platform.aspx>



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ICAO / Safety / Implementation / RAIO Cooperative Platform

Implementation

- Next Generation of Aviation Professionals (NGAP)
- RASGs and PIRGs
- Common Challenges
- iMPLEMENT
- RSOs/RAIOs
- Safety Management
- Performance Based Navigation (PBN)
- CAPSCA
- Runway Safety Programme
- Guidance Material

RAIO Cooperative Platform

ICAO set up the RAIO Cooperative Platform to help strengthen existing RAIOs or Investigation Cooperative Mechanisms (ICMs) and assist in the establishment of any new RAIO or ICM so they can be more effective and efficient in supporting their Member States.

[Map showing the RAIOs and ICMs around the world](#)

[List of RAIOs and ICMs](#)

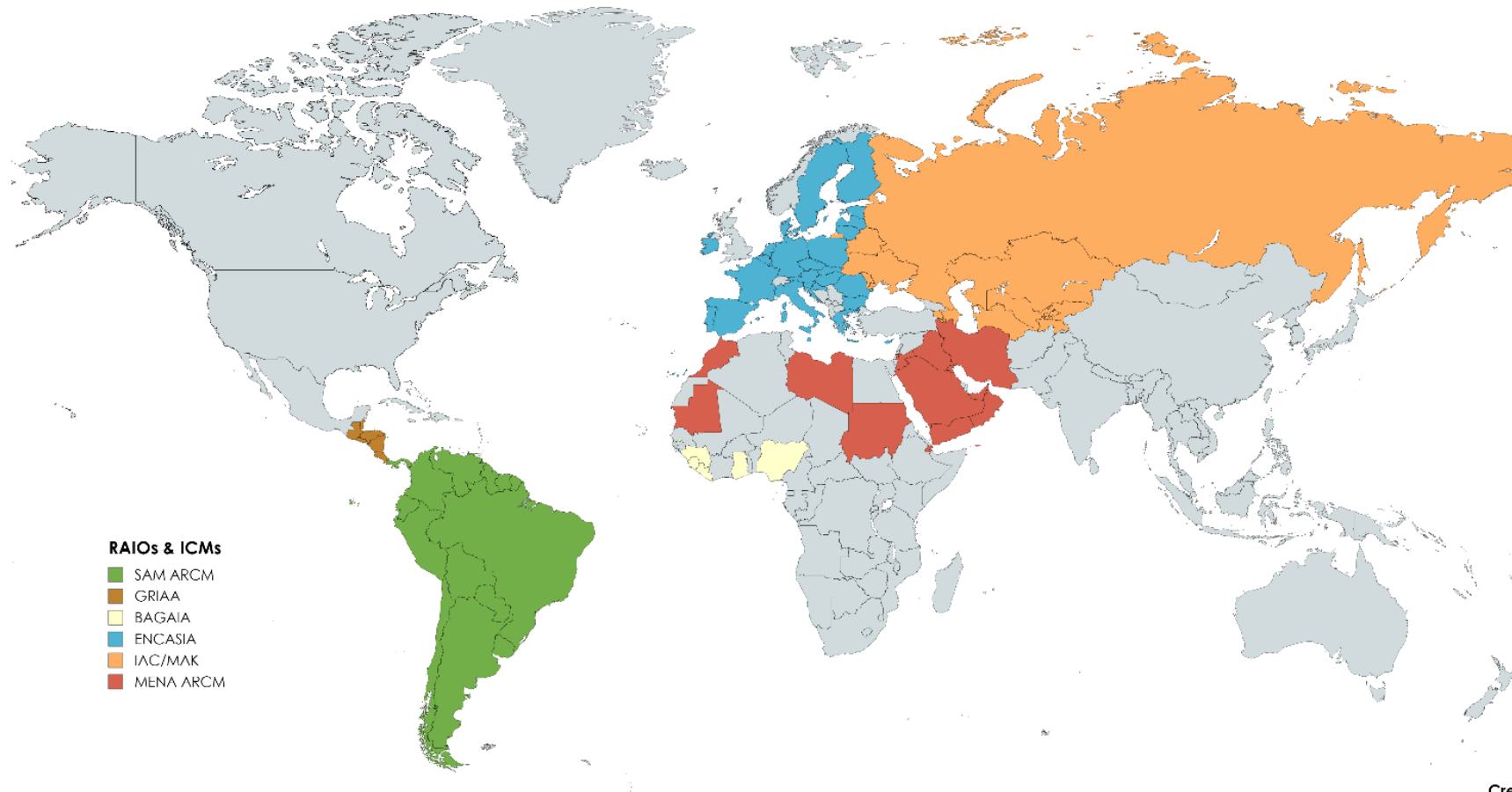
[Documents of the RAIO CP](#)

[Related RAIO Events](#)

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RAIOs and ICMs around the world



Currently

Two RAIOS:

- Interstate Aviation Committee (IAC) – 12 States
- Banjul Accord Group Accident Investigation Agency (BAGAIA) – 7 States

Four ICMs:

- South American AIG Regional Cooperation Mechanism (ARCM) – 13 States
- European Network of Civil Aviation Safety Investigation Authorities (ENCASIA) – 27 States
- Central American Regional Aviation Accident Group (GRIAA) – 6 States
- Middle East and North Africa (MENA) Regional Accident Investigation Cooperation Mechanism (ARCM) – 16 States

- 24-27 September 2024 (Montreal - Hybrid)
- Panel currently composed of 36 States (Members & Observers) & 7 International Organizations
- 15 Working Papers & 8 Information Papers were discussed



AIGP/9 Summary on RAIO/ICM

Proposed Overall Objective

- To assist ICAO in reviewing Doc 9946; expand it to other **Investigation Cooperation Mechanisms ICMs**

Summary

- Development of a Manual on ICM – capture all the material, needs and concerns
- This topic will also be further discussed at the Aviation Safety and Aircraft Accident and Incident Investigation Symposium in Abu Dhabi in November 2024
- Continued coordination with ICAO AIG, USOAP and RSCU sections for guidance to States regarding meeting the obligation for independent AIA when part of a RAIO/ICM
- Expand the Job Card regarding the relationship between RAIO/ICMs and requirement for independent AIA for small States

Draft ICM Manual Outline

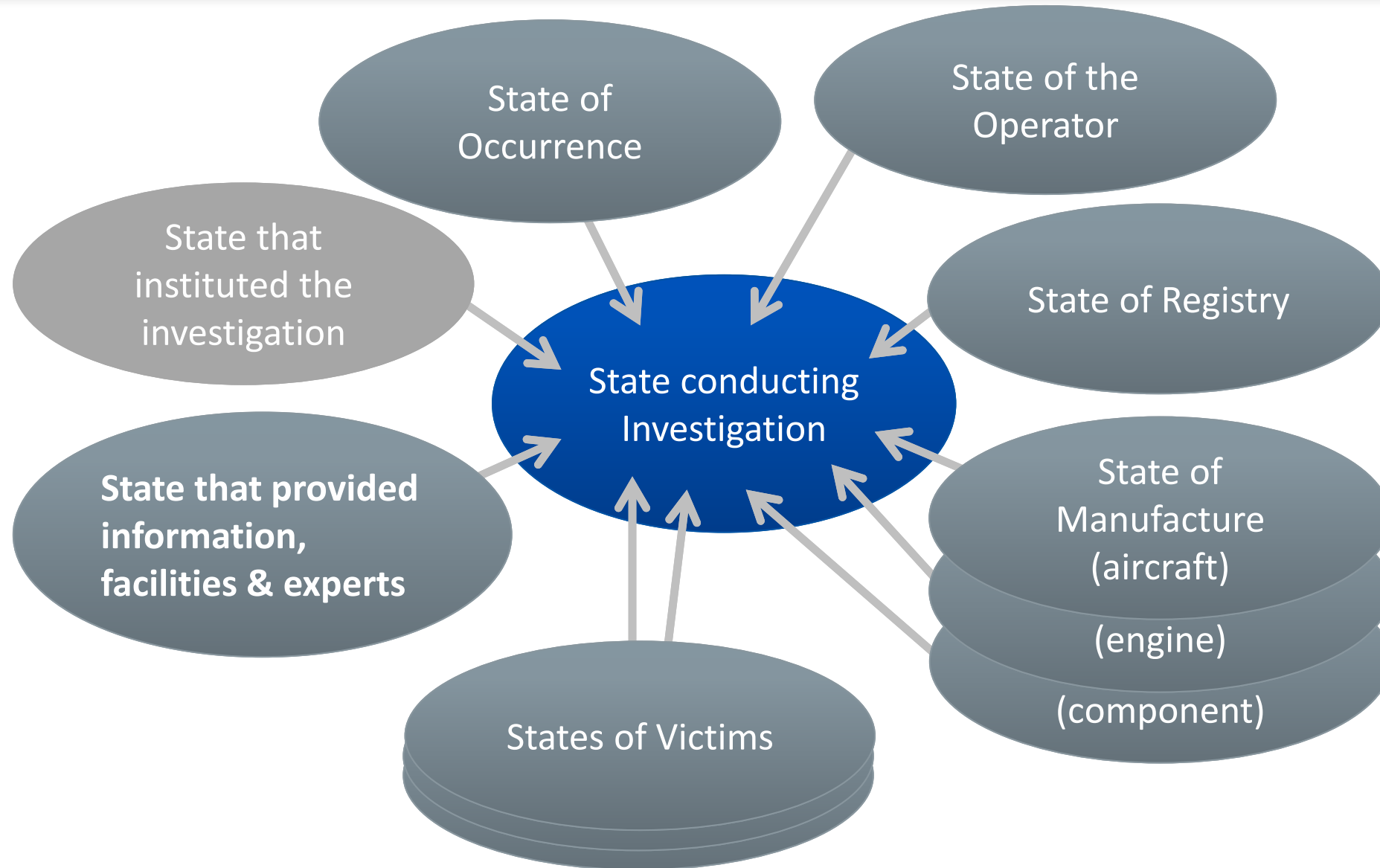
- Governance and decision-making processes
- Financial management and cost-sharing
- **Peer Reviews [New]**
- Operational procedures and guidelines [Mutual Support]
- Training and qualification requirements
- Resource pooling and management
- Monitoring and evaluation of the agreements
- [...]



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States involved in Major Air Accident





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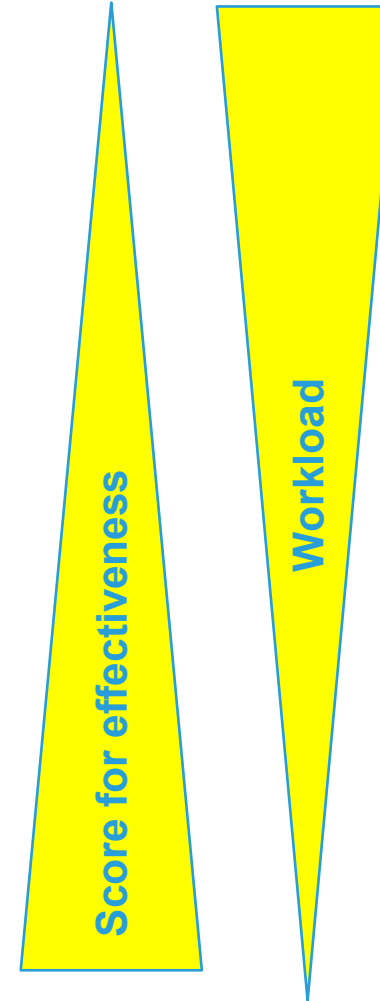
What is an effective investigation?

Additional Activities

- “Transparent” investigation process
- Validated facts for the relatives prior to the media
- Validated facts for the media
- Information on the ongoing investigation for the ministry and political leaders

Adhere ICAO Annex 13

- Factual information
- Analysis
- Conclusion, Cause
- Safety Recommendations



Cooperation and Mutual Support

Preparing in advance

- A National Investigation Management Plan
- Policies and processes
- Assistance from other SIA
- Cost sharing
- Training and exercises



Developing Shared Procedures

- Brief for government officials
- Preparing a press release
- Scoping the investigation
- Guidance on producing safety recommendations
- ...



Proposed Definitions (source EMSS)

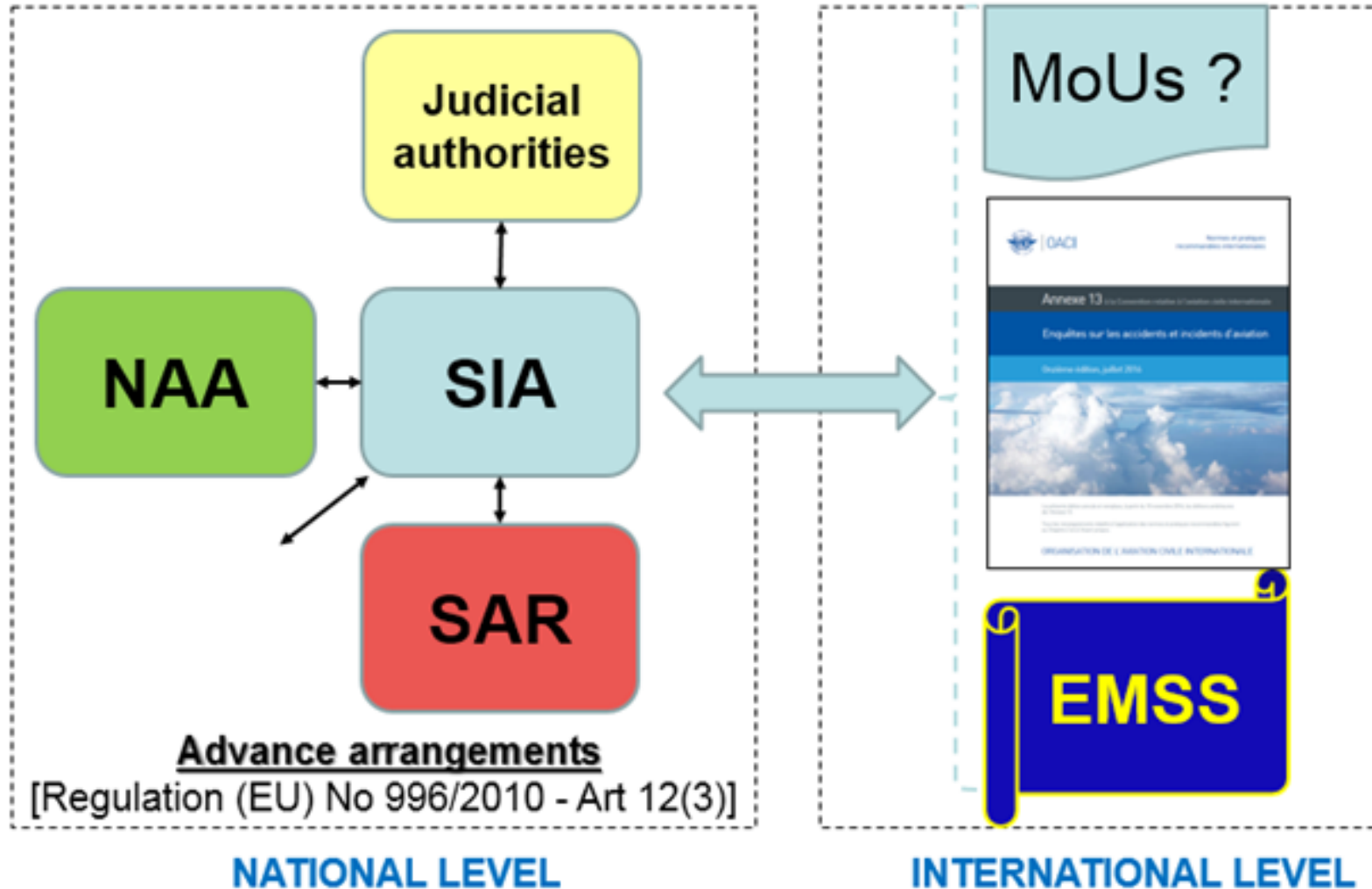
- Investigator-in-Charge (IIC).
- Deputy IIC
- Assisting IIC
- Assisting SIA
- Director / Board / Ministry

Management Levels



- Strategic (Host State)
 - Overall strategy
 - State Emergency Plans
 - Finance, judiciary, media, political
- Tactical (Host SIA / IIC)
 - Sets specific objectives, owns investigation plan
 - Ensures credible, effective, independent investigation
- Operational (IIC / Group Leaders)
 - Day-to-day activities to meet objectives in the investigation plan

Advance Arrangements and MoUs



Thank you

Questions?