



Accident **PREVENTION** is **EVERYONE'S** responsibility

The prevention of accidents is more effective with the support of a continuous incident reporting system, whether mandatory or voluntary, to identify potential hazards based on investigations and analysis of the collected information, to be then in a position to issue necessary safety recommendations.

Indeed, the prevention of aeronautical and maritime accidents is thus the responsibility of everyone, especially professionals involved in the design, maintenance or operation of aircraft and vessels, as well as those involved in activities to support the navigation or exploration of aeronautical and maritime infrastructure.

03 THE IMPORTANCE OF PREVENTION

Prevention is understood to mean all activities carried out with the objective of preventing the loss of human life and material goods due to any accident.

There are three basic principles in accident prevention: the safety culture within an organisation, an organisation's specific scope of activity and the human factor, the latter being the most sensitive concept of all.

05 BAGAIA – REGIONAL ACCIDENT INVESTIGATION AGENCY

In 2009, seven BAG Member States signed a Memorandum of Understanding (MoU) to establish the Banjul Accord Group Aviation Safety Oversight Organisation (BAGASOO) and set up the Banjul Accord Group Accident Investigation Agency (BAGAIA),...

07 IPIAAM recommendations

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MESSAGE FROM THE BOARD OF DIRECTORS

Having completed our second year mandate heading up the Institute for the Prevention and Investigation of Aeronautical and Maritime Accidents - IPIAAM, we, the Board of Directors, reaffirm our conviction to contribute to the establishment and strengthening of an institution dedicated to the prevention of aeronautical and maritime accidents, with the certainty that it will become one of the determining factors in raising awareness and improving operational safety in the nation's merchant navy and its civil aviation industry.

As the first Board of Directors of IPIAAM, our scope and mission have been to develop a set of key actions, highlighted below, together with their expected impact:

- Issuing safety recommendations, to be implemented by national operators from both sectors, in collaboration with and monitoring by IPIAAM, to raise awareness of the importance of accident prevention and operational safety;
- Implementing an emergency communication system;
- Establishing a legal and regulatory framework for the prevention and investigation of accidents, making it possible to respond to and comply with the norms and recommendations of the ICAO and IMO;

- Promoting accident investigation training activities, to train national technicians from both sectors and build capacity, with the aim of establishing a pool of investigator;
- Establishing cooperation protocols with the main national and international authorities and institutions, to encourage joint action in cases of emergency.

We are well aware of the challenges ahead and the role that IPIAAM can play as the national authority responsible for the prevention and investigation of aviation and maritime accidents. We are also confident that we will achieve the proposed objectives, counting on the combined efforts of the entire aeronautical and maritime community, thus contributing to the effective and continuous increase in operational safety in these two principal means of national transport.

Given the current international situation, we believe that the civil aviation and merchant navy sectors will need to undergo restructuring at a global level, in order to play a role in boosting the global economic recovery.

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THE IMPORTANCE OF PREVENTION

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There are three basic principles in accident prevention: the safety culture within an organisation, an organisation's specific scope of activity and the human factor, the latter being the most sensitive concept of all.

At an organisational level, the dissemination of a safety culture is essential to avoid the occurrence of latent and active failures that could compromise operational safety. Thus it is imperative to implement a set of tools for constant monitoring and follow-up, to which senior managers, middle managers and employees in general are committed and which facilitate their participation. Ultimately, top management is responsible for observing the implementation of all

established provisions, to ensure operational safety.

In this way, accident prevention activities designed to prevent accidents, incidents and other occurrences, whether in the aeronautical sector or in the maritime sector, must be planned ahead and carried out in a comprehensive and global manner, cutting across all layers within an organisation.

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Indeed, the prevention of aeronautical and maritime accidents is thus the responsibility of everyone, especially professionals involved in the design,



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maintenance or operation of aircraft and vessels, as well as those involved in activities to support the navigation or exploration of aeronautical and maritime infrastructure.

Accident prevention is thus directly related to the effective implementation of an operational safety management system within different service providers' workplaces, enabling organisations to continuously improve and enhance their activities, and ensure they comply with the standards and practices recommended by international bodies.

IPIAAM was set up as an institution to conduct activities applicable to the aeronautical and maritime sectors, focussing on the prevention and investigation of incidents and accidents. It aims to promote effective and cross-cutting coordination among all

stakeholders, contributing to the wide assimilation of safety recommendations and, thus, drive systemic changes to achieve increased operational safety in both modes of transport in Cabo Verde.

In this way, the role of IPIAAM is not restricted to merely investigating the causes that led to an accident, given that the main objective of investigating an accident is to prevent its recurrence, the Institute also performs a key role in monitoring the implementation of recommendations and verifying their effective impact on operational safety.

In addition, IPIAAM has a leading role to play in promoting training activities with various service providers active in the two sectors, with the aim of boosting capacity and specialization of national technical staff in matters relating to accident prevention and investigation.



BAGAIA REGIONAL ACCIDENT INVESTIGATION AGENCY

On January 29, 2004, seven West African States, namely Cabo Verde, Gambia, Ghana, Guinea, Liberia, Nigeria and Sierra Leone, met in Banjul, The Gambia, to sign the Banjul Accord Group (BAG) agreement.

The agreement calls for Member States to harmonize policies and procedures relating to civil aviation and to promote the development of International Civil Aviation through cooperation agreements between States.

In 2009, seven BAG Member States signed a Memorandum of Understanding (MoU) to establish the Banjul Accord Group Aviation Safety Oversight Organisation (BAGASOO) and set up the Banjul Accord Group Accident Investigation Agency (BAGAIA) in order to strengthen safety oversight and accident investigation capabilities of BAG Member States, as well as comply with international regulatory requirements.

The signing of the BAGASOO and BAGAIA agreements represents the culmination of a process. This included the development of structures and the drafting of operational documents to give support to both of these regional organisations, in order to increase the collective commitment to matters of operational safety and to remedy oversight deficiencies within the sub-region, thus creating reference frameworks for cooperation in other regions of the African continent.

The State of Cabo Verde committed to host BAGAIA and the city of Praia was chosen as the location for the organisation's headquarters.

Since the signing of the Headquarters Agreement with the State of Cabo Verde and the subsequent establishment of BAGAIA in the country in August 2018 as an independent body under the Banjul Accord Group,



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BAGAIA continues to give impetus to the development and improvement of the aviation sector of Cape Verde, thanks to its objectives as a regional organisation, and Cabo Verde's interests and alignment with the goals defined by the International Civil Aviation Organisation (ICAO), as reflected in its own aviation development strategy.

BAGAIA has successfully implemented numerous actions, which have brought effective gains to Member States, in particular the signing of a draft agreement with the European Union Aviation Safety Agency (EASA) which will, among other efforts, bring experts in operational safety to Cabo Verde to monitor the implementation of standards and recommended practices, to provide training on investigation management and installation of specific computer software for accident investigation and occurrence reporting.

IPIAAM RECOMMENDATIONS:

- Spend as much time as you need to plan your trip; there is often no time to improvise should adverse situations arise. A good commander is not the one who manages to get out of a storm unscathed, rather the one who manages to avoid it completely;
- Never leave port with only one operational engine if your ship is designed to operate with two. Likewise, an aircraft will never take off with only one engine running;
- Establish safety and crisis management procedures within your workplace, with a view to minimizing the risks that could result in serious injuries and/or loss of human life;
- Do not be pressurised into making any decisions that could put the life of your crew, aircraft or ship at risk;
- Use your discretionary powers to make the best decision, always keeping in mind the preservation of human life and the environment.
- Establish incident reporting procedures, which will contribute to the prevention of accidents occurring.

REFERENCES

<https://www.ipiaam.cv/navsite/maritime-investigation-225/doc>

IPIAAM has carried out a total of 4 investigations in the maritime field since its establishment. These have culminated in 4 final reports from which 20 safety recommendations have been issued.

Opinion: A shortage of pilots could keep the airlines from making a real comeback - CNN

This article highlights how a shortage of pilots could prevent airlines from making a real economic recovery.

Shipping Containers Fall Overboard at Fastest Rate in Seven Years

<https://www.bloomberg.com/news/articles/2021-04-26/shipping-containers-plunge-overboard-as-supply-race-raises-risks>

The shipping industry experienced its biggest spike in lost containers in seven years. This article analyses the exponential increase in these types of accidents.