



| ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY



SESSION 2: AVIATION SAFETY

Prospects of effective incident and accident data collection in Africa

—
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THE AVIATION SAFETY
ALLIANCE FOR AFRICA
CHANGING ATTITUDES • PRODUCING SAFETY

WHO IS ASAA?

- The Aviation Safety Alliance for Africa (ASAA) is a nonprofit, non-political independent industry body. It is an initiative of African aviation experts who are passionate about safety in Africa.
- ASAA is a platform to advance the cause of safety in Africa at the operational level, complementing the work of ICAO, AFCAC, and the efforts of other organizations.

Function:

- ASAA functions as an independent, impartial, and international catalyst for changing attitudes to produce safety, aiming to strengthen the work of other bodies and not to compete with them.

Current activities:

- The alliance works predominantly through online events for aviation professionals as well as future aviation professionals.

SCOPE



- 01 SAFETY DATA COLLECTION AND PROCESSING**
- 02 IMPORTANCE OF SAFETY DATA COLLECTION**
- 03 TOOLS**
- 04 SAFETY DATA IN AFRICA**
- 05 PROPOSAL**

SAFETY DATA COLLECTION AND PROCESSING SYSTEMS (SDCPS)



SAFETY DATA

A defined set of facts or set of safety values collected from various aviation related sources which is used to maintain or improve safety



SAFETY INFORMATION

Safety data processed, organized or analyzed in a given context so as to make it useful for safety management purposes



SAFETY PERFORMANCE INDICATOR

A data-based parameter used for monitoring and assessing safety performance



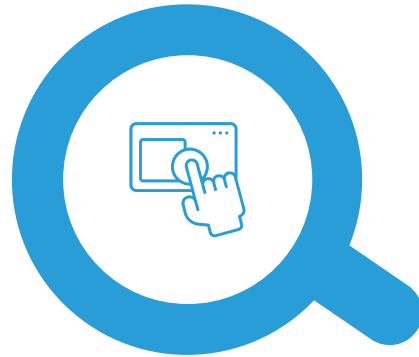
SAFETY PERFORMANCE TARGET

The State or service provider's planned or intended target for a safety performance indicator over a given period that aligns with the safety objectives.

IMPORTANCE OF SAFETY DATA COLLECTION

DECISION MAKING

Reliable safety data and safety information is needed to identify trends, make decisions and evaluate safety performance in relation to safety targets and safety objectives, and to assess risk.



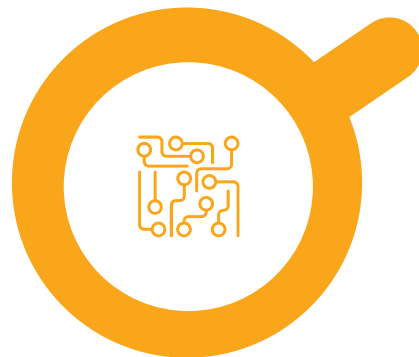
ANALYSIS

Facilitates analysis to generate information useful for safety management through sharing and exchange internally and externally as lesson learnt in support safety performance improvement

SAFETY DATA

ACURACY

Helps avoid biased Safety data and safety information supplied by potential competitors



DEFINED OBJECTIVES

Measurement of safety performance and achievement of defined safety objectives

TOOLS TO SUPPORT DATA COLLECTION



SDCPS

Robust safety data collection and processing systems.



CULTURE

Promote Safety Culture and Just culture

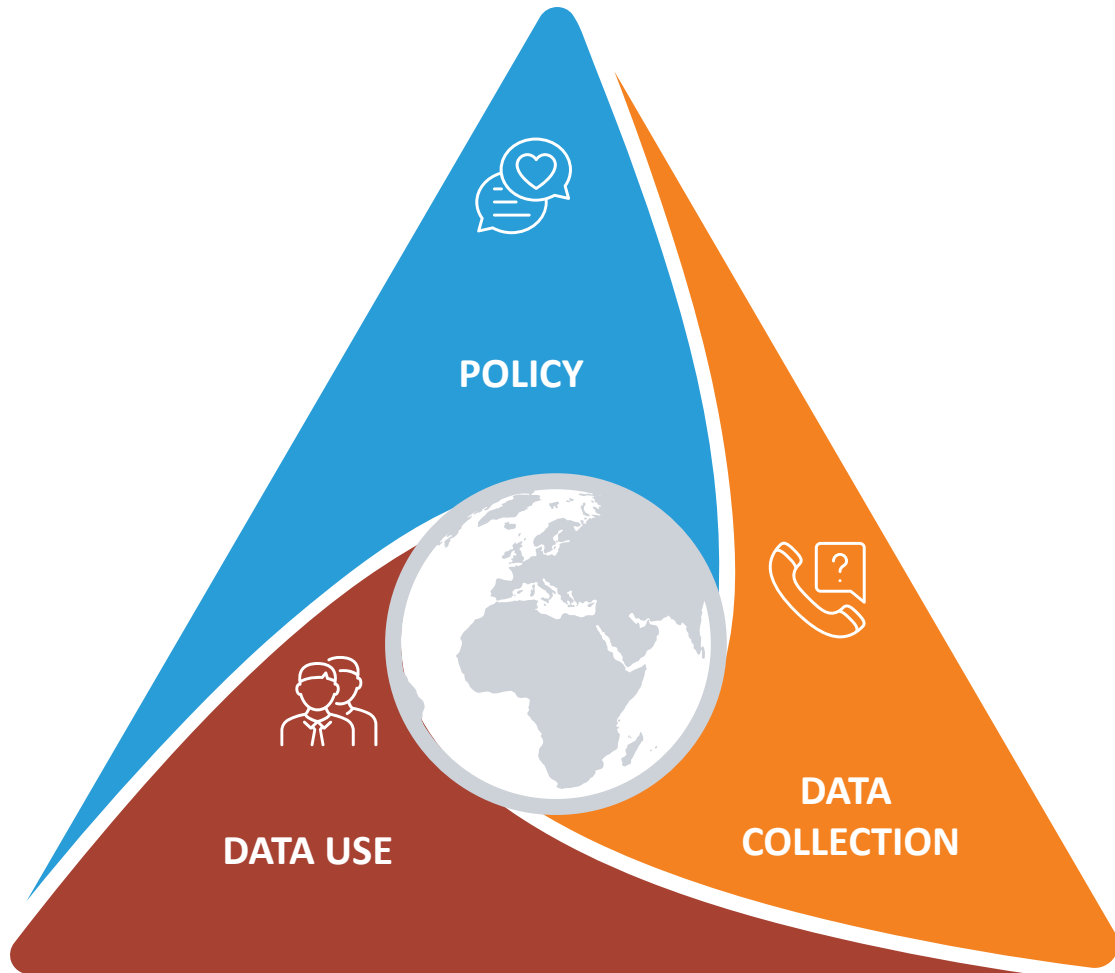


REPORTING

Promote safety reporting culture



SAFETY DATA IN AFRICA



DATA POLICY AND LEGAL FRAMEWORKS

Very few states in Africa have implemented the State Safety Program (SSP) which among the components is establishing legal frameworks for data collection and use.

DATA COLLECTION AND ANALYSIS

Data collection is key both mandatory and voluntary. Voluntary data collection in Africa is still at a low level. Data collection and analysis in Africa has room for growth into areas for useful decision making.

DATA USE

Just culture is central to the proper use of data. The low level of collection implies that decisions are not data-driven with a holistic view.

CHALLENGES



**Just Culture and
Safety Culture**



**Lack of
Qualified Safety
Data Analysts**



Lack of SDCPS



**Poor Reporting
Culture**



RECOMMENDATION

01

SAFETY CULTURE

Promote Safety and Just Culture through the establishment of effective SMS spearheaded by Top management

DATA ANALYSIS

Have a data analyst to make use of collected data to generate information useful for aviation safety improvement

04

02

SDCPS

Establish Safety Data Collection and Processing Systems (SDCPS)

DATA COLLECTION

Promote reporting culture by discouraging punitive culture and establishing voluntary reporting systems

03

THE PROPOSAL

- ASAA is open to working with stakeholders in addressing the challenges.
- We are starting with the underlying issue of data collection, more specifically root cause analysis.

For partnerships or inquiries:

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Thank You!