

## SESSION 3

# Air Navigation Capacity & Efficiency

## Ongoing Initiatives from Africa ANSPs

(including outcomes of African ANSP Meeting)

21 – 22 August 2023

Nairobi, Kenya

# Contents – Ongoing Initiatives from African ANSPs

- Peer Review Mechanism Redesign (outcome of the African ANSPs meeting)
- Coordination Mechanism in support of:
  - FRA Trials
  - Mombasa ATFM Roadmap
- Other Initiatives
  - Safety Culture Promotion
  - Cybersecurity Awareness Workshops

# African ANSP Peer Review Mechanism

- Framework redesign

## FRAMEWORK REDESIGN - BACKGROUND

- Following the conclusions of the African ANSP meeting held in Lomé, Togo from March 28 to April 1, 2022, African ANSPs have agreed to restart Peer Review activities in 2023 by merging all similar initiatives at the continental level, in particular the ICAO Program Manual and the CANSO Standards Of Excellence (SoE). Thus, a work program has been put in place to:
  - ❖ Merge the draft Program Manual developed by ICAO with the CANSO SoE,
  - ❖ Review the related Protocol Questions (PQs),
  - ❖ Integrate into a new / redesigned Framework encompassing the full ANS environment,
  - ❖ Translate the Review documentation into French,
  - ❖ Organize a training of reviewers on the framework of the African ANSP Peers Review
  - ❖ Carry out the Review activities planned for 2023

## FRAMEWORK REDESIGN - PROCESS

- A working group was set up comprising ANSPs from the continent including: ASECNA, South Africa (ATNS), Ghana, Kenya, Mozambique, Uganda, Eswatini, Tanzania and Zambia.
- The working group is led by **ASECNA**.
- The working group was split into two teams dealing respectively with:
  - Merging program manual and CANSO SoE manual
  - Updating the Review Questionnaires considering the content of the CANSO SoE and the latest evolutions of the ICAO PQs. The two teams carry out their activities on the basis of a work plan.

## FRAMEWORK REDESIGN - PROCESS

- **Strategy to merge the two manuals will exploit their complimentary nature / structure:**
  - the draft ICAO manual has the advantage of setting up a framework for implementing the review and a mechanism for evaluating the performance of the programme
  - The CANSO SoE although only oriented on the SMS, goes beyond the search for compliance with standards and allows an evaluation of the maturity of the system (Positive safety culture).

**Thus, the elements of evaluation of ATS, Flight procedures design, AIS, MAP, CNS, SAR, MET areas will be taken from ICAO Manual and the elements of evaluation of the conformity and the maturity of the SMS will be taken from CANSO SoE Manual.**

## FRAMEWORK REDESIGN – KEY ISSUES

- **Confidentiality on data:** ANSPs have raised their concerns regarding the accessibility of the reviews data and the use thereof. **Provisions have been strengthened accordingly.**
- **Response Plans/CAPs :** The ANSP Peer Review initiative is a voluntary process (non-punitive) whereby African ANSPs have agreed to establish a voluntary mutual support mechanism. This initiative is not intended to become just **“another audit”**. Thus, the working group proposes to make **the process of assistance in the development and implementation of the Response Plan/CAPs purely voluntary at the convenience of the Host ANSP.**
- As a region (African ANSPs) we need to find a way to make this process respected, credible and value-adding.

## FRAMEWORK REDESIGN – CURRENT STATUS AND NEXT STEPS

- **Framework redesign, merging of the two documents and review of the Protocol Questions:** The process of redesign and drafting is underway, with the first draft submitted for comments.
- **Review, comments and Quality Control :** The documents are currently with ICAO Regional office for review and comments.
- **Way Forward:**
  - Presentation to the African ANSP Steering Committee
  - Translation
  - Resolve key issues especially the contracting mechanism
  - Mini Pilot phase expected to start before end of 2023
  - Full launch to all ANSPs mid-2024

# LESSONS FROM OTHER REGIONS

## CADENA / CADENCE

- ATFM
- FRA Trials

# CADENA Introduction

## CANSO ATFM Data Exchange Network for Americas



# Purpose and Objectives of CADENA

**Build and Operate Regional ATFM** leading to the optimized airspace

- Exchange operational information
- Promote common situational awareness
- Enhance operational safety
- Improve operational efficiency

# CADENA Key Regional Stakeholders

## ANSPs

- EANA (Argentina)
- BANSA (Bahamas)
- COCESNA (Central America)
- UAEAC (Colombia)
- ECNA (Cuba)
- DC-ANSP (Curacao)
- IDAC (Dominican Republic)
- DGAC (Ecuador)
- FAA (USA)
  - ZMA, SJU, ZHU, ATCSCC
  - Space Operations Office
- OFNAC (Haiti)
- JCAA (Jamaica)
- SENEAM (Mexico)
- TTCAA (Trinidad & Tobago)
- INAC (Venezuela)

## State/Territory/Group

- ANSA (Aruba)
- DGAC (Costa Rica)
- MWCR (Cayman Islands)
- TNCM (Sint Maarten)
- CARRG (Caribbean Aviation Resilience and Recovery Group)



# CADENA – Major Accomplishments

2016	Aug: 1 <sup>st</sup> CADENA RIG Meeting Dec: Weekly Ops Webex
2017	May: 1 <sup>st</sup> Hurricane Training Aug: CADENA OIS v1.0
2018	Oct: PASA DB established
2019	Oct: Contingency Procedures

2020	Aug: PASA E2E via CADENA OIS Dec: 1 <sup>st</sup> Vaccine Flight
2021	Jul: PASA E2E Route Opt Trials started Nov: Virtual Support System
2022	Sep: First Trial Routes published Oct: SDR Trial started
2023	Jan: Twice Weekly Ops Webex

# Mombasa ATFM Roadmap



# Mombasa ATFM Roadmap

- **APIRG Conclusion 21/8 called for all Regional Economic Communities (EAC, ECCAS, ECOWAS, COMESA, SADC) and ANSPs to develop a clear and agreed roadmap, in consultation with users for the implementation of seamless, harmonized, interoperable Air Traffic Management systems.**
- **The CANSO Mombasa ATFM ROADMAP was adopted and endorsed as one of the Pillars to achieve seamless Sky operations in the AFI Region.**
- **The roadmap was endorsed at APIRG 22, ACRAA, GHANA 2019, and a recommendation that more awareness needed to be carried out and that the roadmap be aligned with existing AFI Regional programs.**

# Mombasa ATFM Roadmap

- **APIRG 24 further endorsed the roadmap and requested that, to foster a harmonized approach in ensuring seamless operations in Africa, States, ANSPs, and Industry Stakeholders who are not yet part of the program are encouraged to embrace the initiative and endeavour to participate in it.**
- **The CANSO Mombasa Roadmap implementation plan prioritised the implementation of Collaborative Decision Making (CDM) as the first step of implementation and the following CANSO members have implemented CDM:**
  - ASECNA
  - Morocco - ONDA
  - Tanzania-TCAA
  - South Africa - ATNS and
  - Zambia-ZACL
- **Future initiatives will focus A\_CDM**

# Other Initiatives



# Other Initiatives

- **Multi-stakeholder Cybersecurity Awareness & Safety Culture Initiatives / Webinars**
  - **Plans to arrange webinars for ANSPs on key areas of Just Culture, Fatigue Risk Management (FRMS) and CISM and related topics.**
  - **Plans to arrange Cybersecurity awareness and risk assessment workshops**
  - **Open to all ANSPs**



**THANK YOU**

**CANSO**  
SHAPING OUR FUTURE SKIES