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THEME 2

Existing RSOOs:
Updates on main activities, developments in competences, recognition and challenges

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Mr. *Patrick Ky*

Executive Director of the European Aviation Safety Agency (EASA)

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SRVSOP

Mr. *Franklin Hoyer*

ICAO Regional Director, SAM

SRVSOP
Updates from the RSOOs
Franklin Hoyer
Regional Director
RSOO Forum
Ezulwini, Swaziland
22 - 24 March 2017

Mission

Regional Safety Oversight Cooperation System

SRVSOP

"Provide assistance to its Member States to overcome challenges on Safety Oversight issues"

Member States

Regional Safety Oversight Cooperation System

SRVSOP

12 States

AIRBUS

Benefits

Regional Safety Oversight Cooperation System

80%
Effective implementation 2017

US$ 35,450,000
direct benefit

Main activities

Regional Safety Oversight Cooperation System

First step: LAR

37

Latin American Aeronautical Regulations

SARPs and USOAP PQ compliant

Annex 1
Personnel licensing

Annex 2
Rule of the air

Annex 6
Operation of aircraft

Annex 7
Aircraft nationality and registration marks

Annex 8
Airworthiness of aircraft

Annex 11
Air traffic services

Annex 14
Aerodromes

Annex 16
Environmental protection

Annex 18
Safe transport of dangerous goods by air

Annex 19
Safety management system

SRVSOP

New LARs in process

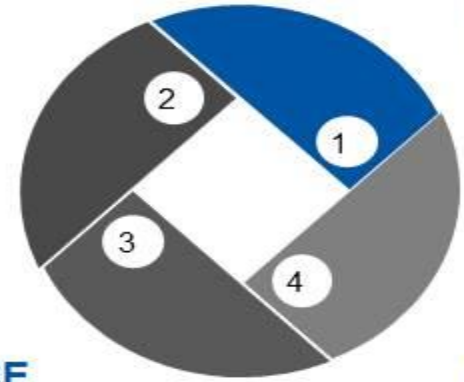
Annex 3	Annex 4	Annex 10	Annex 15
Meteorological service for international air navigation	Aeronautical charts	Aeronautical communications	Aeronautical information services
LAR 203	**LAR 204**	**LAR 210**	**LAR 215**

SRVSOP

Technical publications

ADVISORY CIRCULARS

INSPECTOR MANUALS



GUIDANCE PROCEDURES

CHECKLISTS

11 Manuals

43 Circulars

5 Guidance

28 Checklists

SRVSOP

Training 2013-2016

Developments in competences

SRVSOP

25
Courses for Inspectors

Besides, a virtual pilot course on GSI OPS

2,129
Participants

12
States

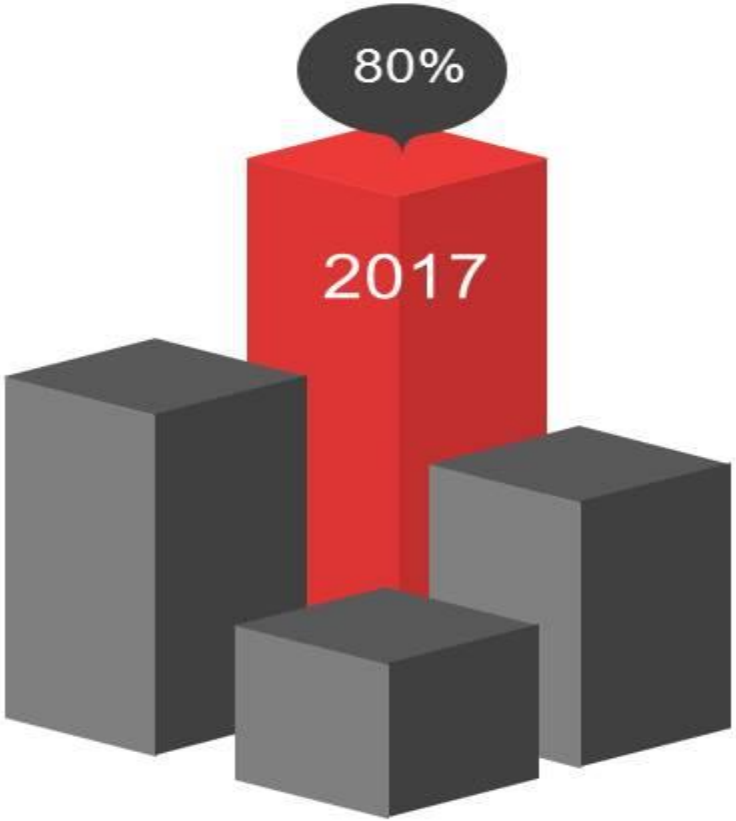
36
Multinational Instructors

Technical Assistance

SRVSOP

EFFECTIVE IMPLEMENTATION

Improve the level of effective implementation of SARPs, in accordance with the objectives of the Bogota Declaration and ensure its sustainability.



2013-2016

260
MISSIONS

10
STATES

2,563
DAYS / MISSION

•Multinational recognition

Multinational re
of certific

MROs

1 single certification process

Recognized for up to **11** States

SRVSOP

Multinational recognition

MROs Multinational Certifications

LAN PERU S.A.

AEROLANE

LAN COLOMBIA

CMR SAS

SRVSOP

Multinational Inspectors Registry

45

registered

AIR,
OPS,
PEL

Challenges

- To increase the actual level of harmonization with LAR.
- Prepare SRVSOP for more requests from industry for multinational certifications.
- To effectively manage growth and success.

SRVSOP

"Great achievements depend on many hands, hearts and minds".
SRVSOP

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CASSOS

Mr. *NARI WILLIAMS-SINGH, J.P*

Chairman of the Board of Directors of the Caribbean Aviation Safety and Security Oversight System (CASSOS)

Theme 2: RSOO State of play- RSOO updates

Caribbean Aviation Safety and Security Oversight System

A Caribbean Community (CARICOM) Institution

RSOO pitch II- Existing RSOOs

Updates on main activities, developments in competencies, recognition and challenges

PRESENTER: MR. NARI WILLIAMS-SINGH, CHAIRMAN

PRESENTATION

- History of CASSOS
  - Transition to CASSOS
  - Members etc
- Structure
- Main Activities
- Some Achievements
- Challenges

HISTORY

- In 2001, seven Member States of the Caribbean Community (CARICOM) agreed to form*, under the aegis of the International Civil Aviation Organisation (ICAO), an Association of Civil Aviation Authorities of the Caribbean (ACAAC) with the interim Regional Aviation Safety Oversight System (RASOS) as its operating arm based in Jamaica;

TRANSITIONING FROM RASOS to CASSOS

In order to broaden the scope of its activities:

- The Agreement establishing the Caribbean Aviation Safety and Security Oversight System (CASSOS) entered into force on 3rd of July 2008.

- *CASSOS was formally launched in February 2009 at the Headquarters of the CARICOM Secretariat in Guyana.

TRANSITIONING FROM RASOS to CASSOS cont'd

- The establishment of CASSOS with full juridical personality and its designation as an Institution of the Community by the Conference of Heads of Government* are bold and forward steps that have elevated the status of aviation safety and security oversight in the Caribbean.

MEMBER STATES OF CASSOS

- Barbados
- Guyana
- Haiti (will shortly accede to the CASSOS Agreement)
- Jamaica
- The Organisation of Eastern Caribbean States (OECS)*
- Suriname
- Trinidad and Tobago

VISION STATEMENT

TO BE A Globally Recognised Leader In Regional Civil Aviation Administration.

MISSION STATEMENT

To Grow A Safe, Secure, Vibrant And Orderly Civil Aviation System, Making A Key Contribution To The Development Of The Region Through Partnership.

CORE VALUES

- Integrity
- Excellence
- Co-operation
- Loyalty
- Professionalism
- Transparency and Accountability

STRATEGIC GOALS

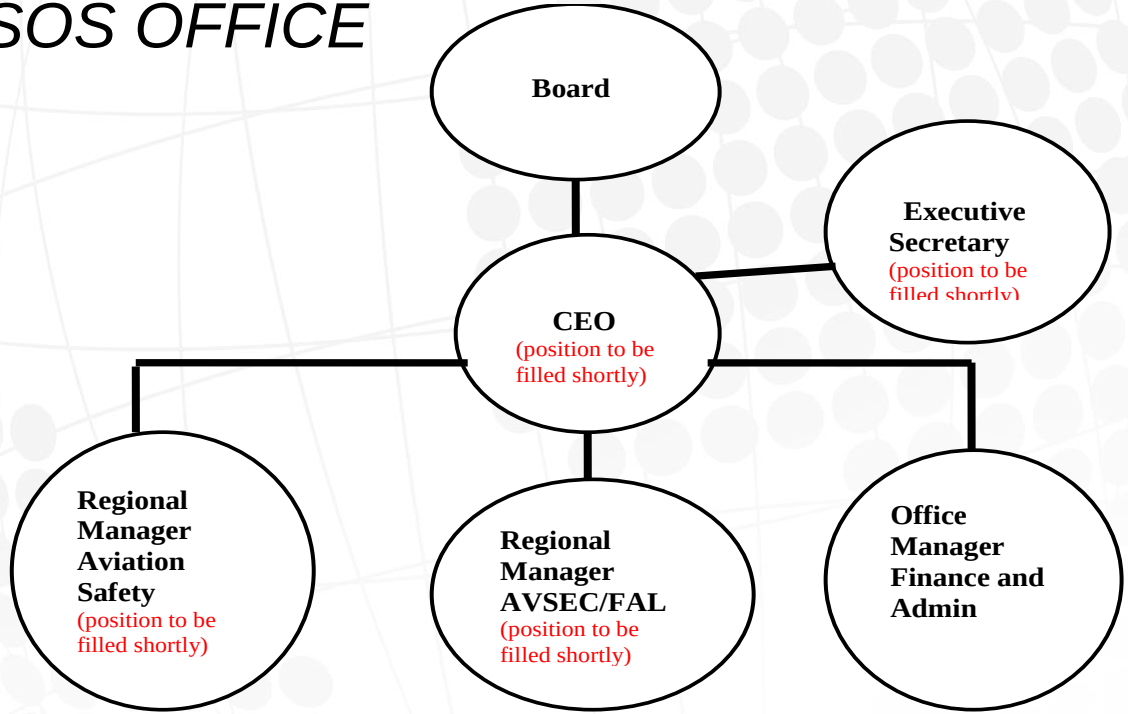
- CASSOS Sustainability
- Enhance Safety and Security
- Increase airspace efficiency and capacity
- Go Green
- CARS

STRUCTURE OF CASSOS

- Each Member State appoints a representative to the CASSOS Board.
- A Chairperson is elected for a two year term by simple majority vote.
- The Chairperson is assisted by a Vice Chairperson who is similarly elected.

STRUCTURE OF CASSOS cont'd

THE CASSOS OFFICE



MAIN ACTIVITIES

- Operates under the direction of its Board of Directors (and via input from COTED*);
- Develops and implements cooperation in all the Strategic areas outlined by ICAO;
- Facilitates sharing of expertise, resources, and information including the transnational deployment of aviation safety inspectors in all specializations to any Member State;

MAIN ACTIVITIES cont'd

- Harmonizes standards, guidance material, training, inspection procedures and forms;

- Co-ordinates training seminars and workshops aimed at equipping the region with skilled, trained aviation personnel in areas such as CAME, SMS/SSP, AIG, Aerodromes, Compliance and Enforcement, Protection of safety data etc.

MAIN ACTIVITIES cont'd

- AIG
- AGA
- ANS
- Airworthiness
- AVSEC
- Environment
- Finance
- PEL
- RSC
- SMS/SSP
- Flight Operations

SOME ACHIEVEMENTS

International recognition by ICAO and other international organisations-

- CASSOS is recognised as a successful, functioning regional safety oversight organization (RSOO),in the CARICOM Region, working closely with and benefitting from, technical support and cooperation provided by ICAO, FAA, TSA, COCESNA among others .

SOME ACHIEVEMENTS cont'd

- Signed a Memorandum of Cooperation (MOC) with COCESNA (2016)
- Reviewing Memoranda of Understanding (MOU) with the Governments of the Malaysia (for training) and General Civil Aviation Authority of the United Arab Emirates;
- These Memoranda provide the framework for enhanced cooperation and strengthens assistance in a number of areas*.

SOME ACHIEVEMENTS cont'd

Caribbean Accident and Incident Investigation Organisation **(CARAIO)**

- With assistance from the ICAO NACC Office, NTSB and, COCESNA, work is progressing for the creation of a CARAIO for the CARICOM Region;

- The first Phase of the project is currently underway

SOME ACHIEVEMENTS cont'd

CARAIO

- 1st meeting held 21-22 February 2017 in Mexico
- 2nd meeting scheduled for the 15-19 May 2017 in Kingston, Jamaica.

ARCM-SAM*

- CASSOS will participate as an Observer

SOME ACHIEVEMENTS cont'd

- Establishment of harmonized aviation licence format and delivery systems;
- Establishment of common certification of some training organizations;
- Establishment of formal procedures and policies for the operation of CASSOS;
- Establishment of harmonized enforcement procedures;

SOME ACHIEVEMENTS cont'd

- Harmonized rules, standards and procedures now exist in several civil aviation oversight areas;
- Deployment of Trans-national Inspectors to assist any member State;
- Sustainable funding by equal contributions by each member State;
- Audited Financial Statements for each year of operation are provided and submitted to COTED;

SOME ACHIEVEMENTS cont'd

- Regular communication is achieved through meetings of the Board of Directors;
- Establishment of an aircraft accident investigation `Go–Team' list and 'Go-Team' kit for assistance with initial response to an aircraft accident;
- 2 Member states have submitted State Action Plans (SAPs)*.

SOME ACHIEVEMENTS cont'd

- Many technical personnel in the CAAs trained to a common standard
- Participating States revised their civil aviation law and regulations to reflect the ICAO Model Law and Civil Aviation Regulations
- States continuing to develop their own safety oversight technical capabilities.

CHALLENGES

- Resources
  - Financial
    - Day to Day Operations
    - Sustainable Funding
  - Human
  - Equipment
- Inadequate harmonization across Member States
  - Regulations, Guidance material etc.

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PASO

Mr. Wilson Sagati

Chairman of the Pacific Aviation Safety Office (PASO)

Pacific Aviation Safety Office

Progress in the Pacific

Forum on Regional Safety Oversight Organisations (RSOOs) for Global Aviation Safety
Swaziland, 22–24 March 2017

Wilson Sagati, OBE
PASO Chairman; and
Chief Executive Officer & Director of Civil Aviation
Civil Aviation Safety Authority of Papua New Guinea

The History of PASO

- Identification of the need for an overarching aviation regulator for the Pacific
- PASO established (taking in 10 Pacific Island States) and operated through a treaty of cooperation (PICASST)
- The current objectives of PASO are twofold:

1. *To improve each Pacific Island State's compliance to that State's obligations to ICAO Standards and Recommended Practices, as set out in the 1944 Chicago Convention*

The History of PASO cont'd

2. *To provide States with guidance and technical advice to assist State regulators to issue certification and recertification to:*

   - *aircraft operators*
   - *airports*
   - *air traffic service providers*
   - *aviation security service providers*

PACIFIC AVIATION SAFETY OFFICE
PASO

ICAO Regulatory Oversight

- ICAO has significantly moved in terms of measuring States' compliance to the Standards and Recommended Practices
- The new approach: *Continuous Monitoring Audit (CMA)*
- The new methodology:
  - *Findings are notified*
  - *ICAO will then continuously monitor and audit against the findings*
  - *Requirement on States to report improvements online*
- The Pacific States' average for compliance is very low

PACIFIC AVIATION SAFETY OFFICE
PASO

Regulatory Oversight – Technical

- Pacific Island States have adopted New Zealand Civil Aviation Rules as their standard for the measurement of regulatory oversight
- Differences in the Australian and New Zealand models:

Regulatory oversight philosophy is determined by legislation

Regulatory oversight philosophy is determined by overarching legislation ***but underpinned by rules***

- *Rules can be measured for quantum, quality, and outcomes*
- *Legislation cannot be measured, particularly around technical requirements*

The Evolution of NZ Rules

- Currently in NZ the rule-making process is moving towards a risk-based approach
- Civil Aviation Rule Part 139 is an example of this new approach, shifting emphasis further to the operator
- Rule Part 139 is the overarching rule for airports

The Problem

- Pacific Island aviation operators are not ready for the risk-based approach

- The challenge for PASO will be to ensure compliance during the transition

Where is PASO Now?

- Appointed a new General Manager
- Appointed a new Operations Manager
- Re-engaged with stakeholders
- Committed to developing a new strategic plan
- Commissioned a financial sustainability review
- Commissioned a review of governance
- Established a pool of inspectors
- Delivered an additional 103 days of Inspectorate work to States in 2016 (40%)
- 2017 forecast is an increase of 34 days against Budget (16%)
- Obtained funding from:
  - World Bank
  - Civil Aviation Authority NZ

PACIFIC AVIATION SAFETY OFFICE PASO

The Future

- A sustainable PASO able to provide reliable and responsive Service Delivery to meet needs of States, supported by a quality pool of inspectors
- A respected PASO able to demonstrate good governance and corporate systems and processes, including a sustainable funding model
- Ongoing and reliable support to States to continue to develop and implement a corrective action programme to meet ICAO compliance
- Establish State Safety Systems and other systems to meet requirements of the new Annex 19

PACIFIC AVIATION SAFETY OFFICE PASO

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CASSOA

Mr. Robert F.O. Mwesigwa Nviiri

Executive Director, East African Community Civil Aviation Safety and Security Oversight Agency (CASSOA)

Forum

On Regional Safety Oversight Organisations (RSOOs)

For Global Aviation Safety

Recognition and Challenges of a RSOO

EAC CASSOA CASE STUDY

Presented by Robert M. Nviiri, Executive Director CASSOA

22 – 24 March 2017

Ezulwini, Swaziland

Recognition and Challenges of a RSOO

- Making use of Economies of Scale gives RSOOs the advantage of efficiency over individual State CAAs due to inadequate resources, in the case of developing States, and cost-effectiveness and harmony in cases of the developed world.
  - Therefore, East African Community established CASSOA – Civil Aviation Safety and Security Oversight Agency, as an autonomous and self-accounting institution of the EAC

- The 10 years of existence have seen the EAC Partner States recognise the importance of CASSOA as a result of benefits got.
- Among the benefits of CASSOA to the Partner States are the following:

- Harmonisation of the civil aviation Regulations and guidance materials for all the Partner States
- Sharing of technical resources to address deficiences in safety oversight through coordination of availing inspectors

-Developing of harmonised Corrective Action Plans to the ICAO audit findings (both USOAP and USAP)

-Preparing the Partner States for ICAO audits through technical missions

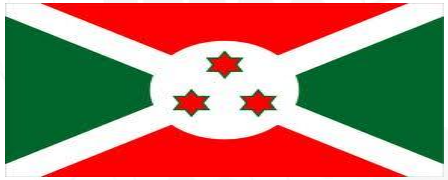
-Developing lacking civil aviation Regulations (SMS, RPAS) and technical guidance materials (IASM, AMSAR Manual)

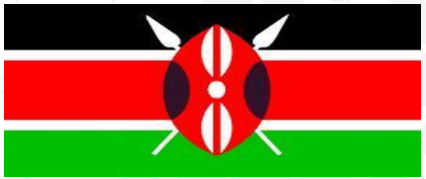
- Co-operation with other RECs' RSOOs (EASA, BAGASOO, iSASO) and ICAO to build capacity

CHALLENGES OF RSOOs

- Mandate: Misconception by Partner States on the role of a RSOO, lack of powers to enforce regulations
- Attraction and retention of skilled staff (inability to recruit)
- Funding (lack of a sustainable funding mechanism)

THANK YOU





HAPPY MEETING

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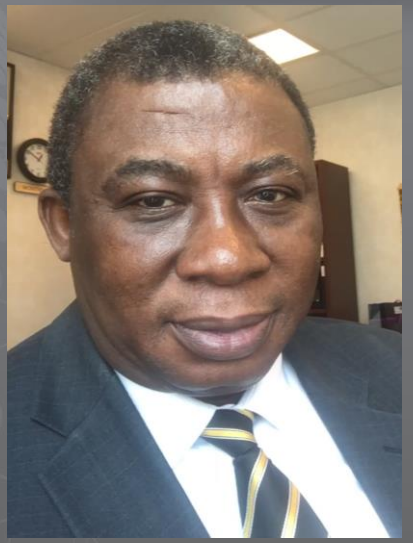
BAGASOO



Mr. Emmanuel Akatue

Executive Director of the Banjul Accord Group Aviation Safety Oversight Organisation (BAGASOO)

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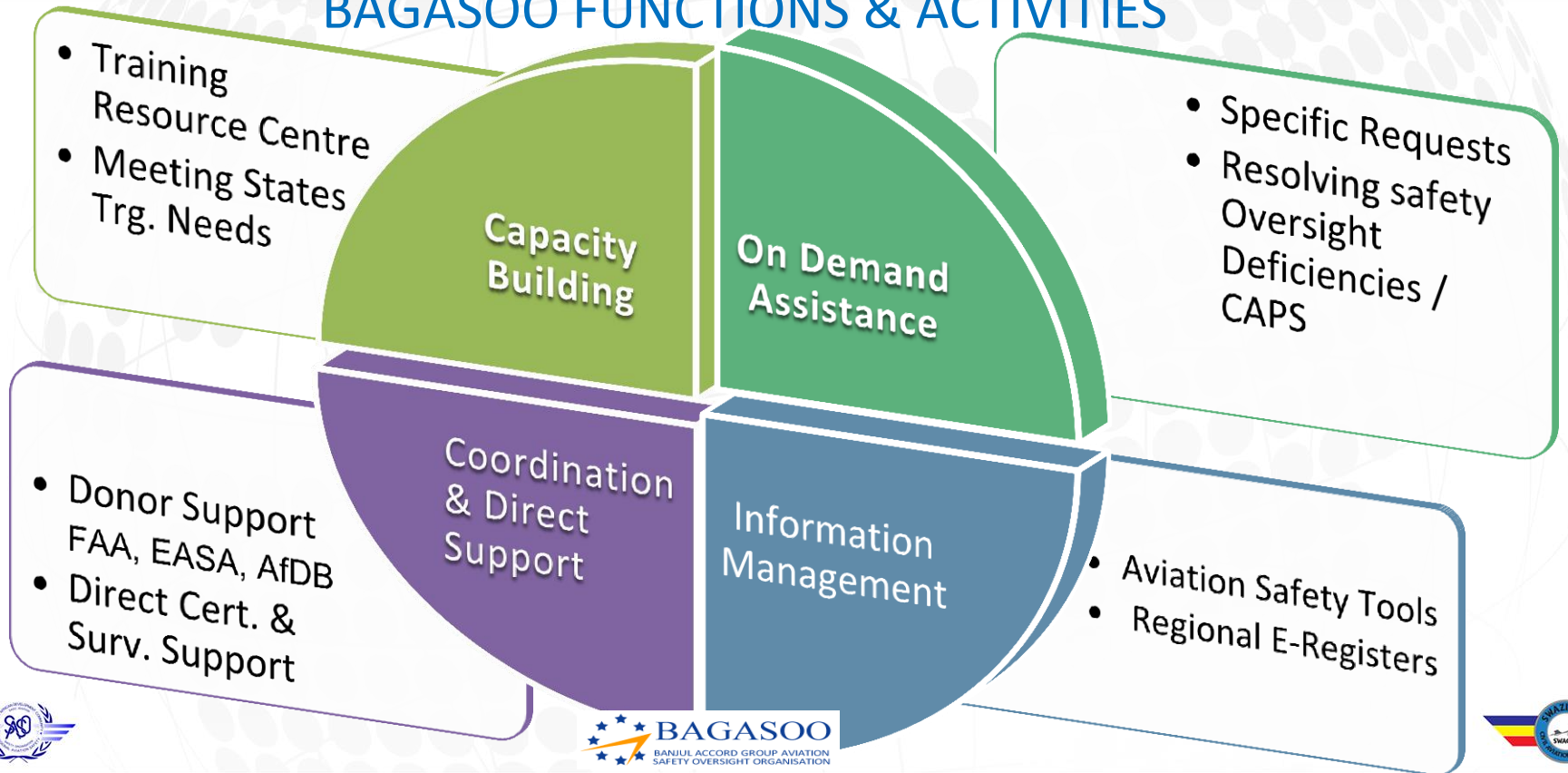
Forum

On Regional Safety Oversight Organisations (RSOOs)
For Global Aviation Safety

22 – 24 March 2017
Ezulwini, Swaziland

BAGASOO
BANJUL ACCORD GROUP AVIATION
SAFETY OVERSIGHT ORGANISATION

BAGASOO FUNCTIONS & ACTIVITIES



BAGASOO
BANJUL ACCORD GROUP AVIATION SAFETY OVERSIGHT ORGANISATION

SIMCA

Safety Information Management for Civil Aviation – Safety Tools

ITRAQS

Inspector Training Records and Qualification System

FASAP

Foreign Aircraft Safety Assessment Programme

ISATS

Inspector Activity Tracking System

BAGASOO
BANJUL ACCORD GROUP AVIATION SAFETY OVERSIGHT ORGANISATION

Suggested Flight Standards Inspector Training Profiles

Suggested BAGASOO Flight Standards Profiles

FAA Course Number	FAA Training Course	Subject Area	Operat-ions	Airworth-iness/ Mainte-nance	PEL - OPS/MX
	INITIAL TRAINING FOR ALL AVIATION SAFETY INSPECTORS				
CAA Specific	New Hire Employment Orientation (Benefits, Ethics, Conduct, Discipline, Travel, Security, Unions, etc.)	General Admin/Technical	X	X	X
27100177	Intro to ICAO and CAA Overview	General Admin/Technical	X	X	X
35	Aircraft Accident Investigation	Resolution of Safety Issues	X	X	X
12020	Compliance and Enforcement Procedures	Resolution of Safety Issues	X	X	X
12062	Crew Resource Management Introduction	Certification - AOC	X		X
18700 - ICAO TRAINAIR STP	ICAO GSI Air Operator Certification - OPS	Certification - AOC	X		X
18701 - ICAO TRAINAIR STP	ICAO GSI Air Operator Certification and AMO Certification - Airworthiness	Certification - AOC and AMO		X	X
18710 - ICAO TRAINAIR STP	ICAO GSI Personnel Licensing	Personnel Licensing/Surveillance/Resolution of Safety Issues	X	X	X
27019	Ground Deicing/Anti-icing for Airworthiness Inspectors	Certification - AOC		X	X
27020	Ground Deicing/Anti-icing for Operations Inspectors	Certification - AOC	X		X
27027	Avionic Systems	Avionics	X	X	X
27032	Interpersonal Competencies for Inspectors	General Admin/Technical	X	X	X
27034	Introduction to Authorizing Documents	General Admin/Technical	X	X	X
27035	Introduction to Manual Management	General Admin/Technical	X	X	X
21000054	Work Tracking System Note: BAGASOO should substitute its version of this course	Surveillance	X	X	X
21000056	Air Cargo Operations	Certification	X	X	X
21000081	En Route Inspection Procedures	Certification - AOC	X	X	X
27100004	Introduction to Air Carrier Maintenance Programs	Certification		X	X
27100007	General Maintenance Manual	Certification - AOC		X	X

- Inspectors are profiled based on specialty
- Initial, Specialized & Recurrent Training
- Performance based Training

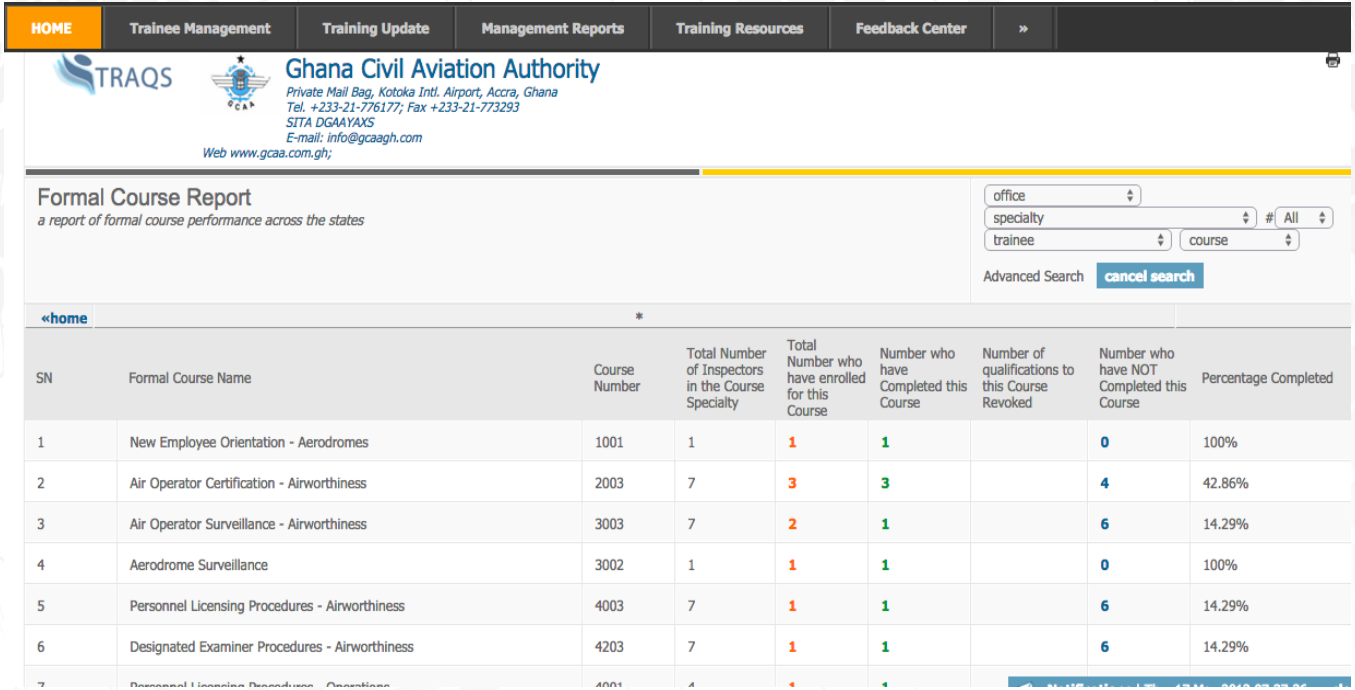
ITS Task to Course Mapping

•TASK Examples from Air Operator Certification

SECTION	TASK NUMBER	TASK	PRIMARY COURSE NUMBER	PRIMARY COURSE	SECONDARY COURSE NUMBER	SECONDARY COURSE	OPS	AIR	PEL
Air Operations	2.223	Evaluate an operator's performance data control system	FAA-18700	ICAO GSI Air Operator Certification - OPS	27100018, 27100121	Aircraft Performance Operating Limits; Routes, Airports, and Areas of Operation (AC OPS)	OPS		
Air Operations	2.224	Evaluate an operator's quality system	FAA-18700 / 18701	ICAO GSI Air Operator Certification - OPS / ICAO GSI Air Operator Certification and AMO Certification - Airworthiness	IATA/ ICAO 43782	Aviation Internal Auditor	OPS	AW	PEL
Air Operations	2.225	Evaluate and approve a Minimum Equipment List (MEL)	FAA - 18700 / 18701	ICAO GSI Air Operator Certification - OPS / ICAO GSI Air Operator Certification and AMO Certification - Airworthiness	27100021 / 27100008	Minimum Equipment List (MEL)/Configuration Deviation List (CDL) Procedures (OPS); Minimum Equipment List (MEL)/Configuration Deviation List (CDL) (AIR)	OPS	AW	

- Supplementary Job Task specific need based Training

ITRAQS DATABASE SCREEN SHOT



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TRAQS

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Formal Course Report

a report of formal course performance across the states

office
specialty # All
trainee course
Advanced Search cancel search

«home

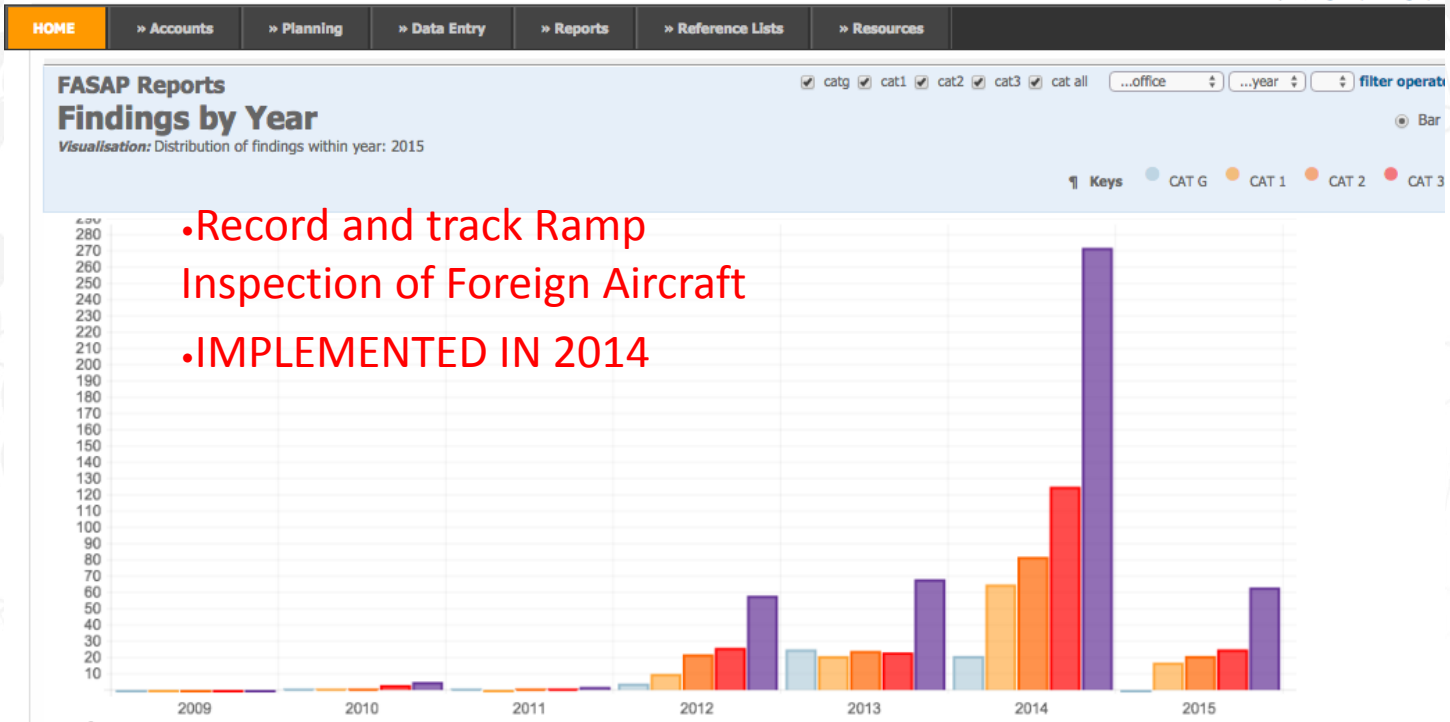
SN	Formal Course Name	Course Number	Total Number of Inspectors in the Course Specialty	Total Number who have enrolled for this Course	Number who have Completed this Course	Number of qualifications to this Course Revoked	Number who have NOT Completed this Course	Percentage Completed
1	New Employee Orientation - Aerodromes	1001	1	1	1		0	100%
2	Air Operator Certification - Airworthiness	2003	7	3	3		4	42.86%
3	Air Operator Surveillance - Airworthiness	3003	7	2	1		6	14.29%
4	Aerodrome Surveillance	3002	1	1	1		0	100%
5	Personnel Licensing Procedures - Airworthiness	4003	7	1	1		6	14.29%
6	Designated Examiner Procedures - Airworthiness	4203	7	1	1		6	14.29%

- Record Inspector Formal and OJT Training
- IMPLEMENTED IN 2012

FASAP Database

1. Plan and Record **Inspections**
2. Record Related **Findings**
3. Determine **Categorization**
4. Record associated **Follow-up Actions and Closure**
5. Provides for **Safety Information Sharing**

FASAP DATABASE SCREEN SHOT



- Record and track Ramp Inspection of Foreign Aircraft
- IMPLEMENTED IN 2014

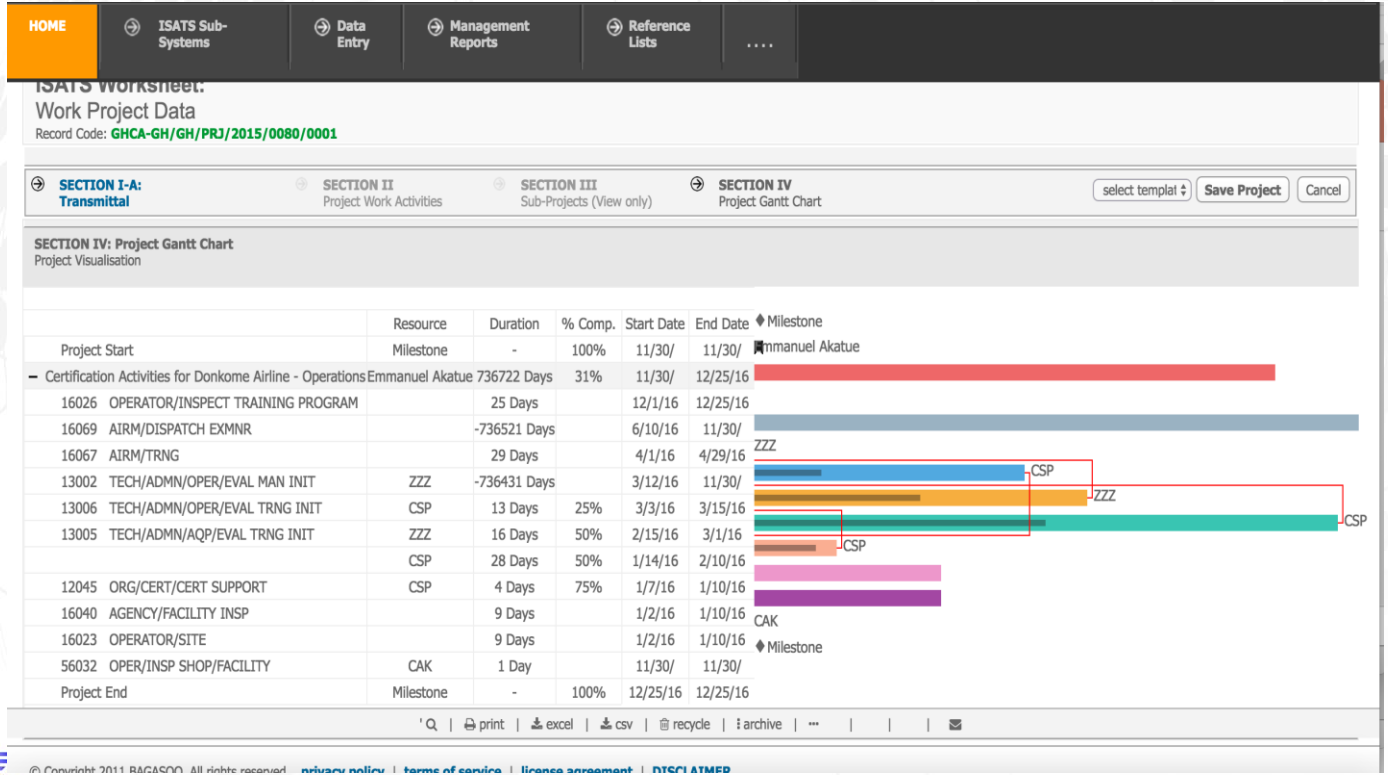
ISATS Database Entry

- General Technical and Administrative Functions
- Air Operations, Certification and Authorization

- Airworthiness Certification, and Authorization
- Personnel Licensing Functions

- Surveillance of Svc Providers (AOC, AMO, ATO, ANS)
- RSC & Enforcement Actions

ISATS DATABASE SCREEN SHOT



- Certification and Surveillance Projects can be easily Monitored and Managed via Gantt Charts

CHALLENGES/ OUTSTANDING ISSUES

- Host State Agreement
  - Registration - done
  - Host State Agreement – done
  - Dedicated office in future
- Funding Issues
  - Average contributions payment less than is 57%
    - Short term - Seek grants
    - Long term – seek a sustainable mechanism such as implement the Passenger Safety Levy (PSL) charge

GRATITUDE

- African Development Bank
  - Provision of Training Equipment & Computers
  - Sponsoring Technical Training of Personnel
- DOT, through Safe Skies and FAA
  - Technical Training of Personnel (Over 500 since 2010)
  - Conducted TNA for Special Assistance for GATA
- EU through EASA
  - Technical Training of Personnel (Over 70 since 2010)
  - Sponsorship of Workshops
  - Technical Experts for Sierra Leone and Guinee

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Questions ?