



ICAO

ENVIRONMENT



ICAO Environmental
Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER



Latest developments on ACT CORSA- experiences from the South African Buddy Partnerships

Gawie Bestbier

Executive: Aviation Infrastructure

South African Civil Aviation Authority





ICAO

ENVIRONMENT



ICAO Environmental
Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

Outline

- Introduction
- South Africa's approach to CO2 emissions reduction
- Participation in ACT CORSIA Buddy Partnership initiative
- How assistance was provided
- Results of the assistance and
- Experience gained





ICAO

ENVIRONMENT



ICAO Environmental
Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER



Introduction

- Who are we and what we are known for?



SOUTH AFRICAN AIRWAYS

A STAR ALLIANCE MEMBER 





South Africa

- The Republic of South Africa (RSA) is a country at the southernmost tip of the African continent.
- Known as the “the rainbow nation”- cultural diversity
- The world's biggest producer of gold, platinum, chromium, vanadium, manganese and aluminosilicates.
- First heart transplant in the world performed in Cape Town by Dr Christiaan Barnard in 1967
- Won the rugby world cup in 1995
- Hosted the 2010 soccer world cup (*the vuvuzela became an unofficial symbol of the 2010 world cup- “loved and hated in equal measure”*)





ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

South Africa's Approach to CO₂ emissions reduction

- Devoted to providing an excellent transport system that reduces the quantity of Greenhouse Gases (GHG) and other pollutants emitted by the sector.
 - Emissions from the transport sector-----> 10.8% of the country's total GHG emissions.
 - Of this, aviation contributes 5% of the transport sector GHG emissions, thus 0.54% of national total.
- The National Development Plan (NDP) proposes the movement towards a low carbon economy.
 - Different spheres of government have various roles to play to fulfil this vision.
 - The Department of Transport (DoT's) objective in supporting the transition to a low carbon economy is to, 'increase the contribution of transport to environmental protection'.
- Accordingly, in 2018, the DoT adopted measures to address the significant contribution of all modes of transport to national GHG emissions:
 - Green Transport Strategy (GTS) that intends to minimize the adverse impact of transport on the environment.





ICAO

ENVIRONMENT



ICAO Environmental
Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

South Africa's Role in ICAO's Work on the Environment

- The implementation of the GTS will be the responsibility of the various DoT parastatal organizations.
 - The South African Civil Aviation Authority (SACAA) is one of the agencies of the DoT and it is governed by the Civil Aviation Act of 2009.
- The SACAA plays a significant role in ICAO's work on the environment:
 - contribution as a Member State of the ICAO Council as well as the Committee on Aviation Environmental Protection (CAEP).
 - the country has been the only African ICAO Member State that belongs to the CAEP, a position that it still holds today.



ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER



Participation in the ACT CORSIA Buddy Partnership initiative;



Southern African Development Community(SADC) Region

South Africa (Donor State) was assigned, and provided assistance to, 6 Recipient States within the Southern African Development Community (SADC):

- Botswana
- Lesotho
- Malawi
- Namibia
- Zambia
- Zimbabwe



ICAO ACT-CORSIA Buddy Partnerships:
Joint Implementation Training Session



SADC made up of 16 Member States

Step 1: On-site training (*Joint implementation training sessions*)





ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER



Friendly Participants





Step 2: Remote follow-ups

- **After the training sessions:**
 - Each State developed an Activity Plan;...
 - Showing steps to be taken.
- **Remote follow-ups**
 - **Teleconferences: Recipient States and ICAO**
 - 14 and 16 November 2018 (Zambia, Botswana and Zimbabwe)
 - 14 and 22 January 2019 (Malawi and Namibia)
 - 06 February 2019 (Malawi)
 - 05 March 2019 (all Recipient States on the experiences gained)





ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

Step 3: In-State training

In-State training (on request)

- Follow-up Gaborone, Botswana;
 - 29-30 November 2018
 - Botswana CAA, 3 AOs (Air Botswana; Kalahari Air Services; Major Blue)

The banner features the South African Civil Aviation Authority logo on the left, a central graphic of an airplane flying over a globe with a CO2 emissions icon, and the ACT-CORSIA logo on the right. The text is centered on a green background.

**ICAO ACT-CORSIA Buddy Partnerships:
Joint Implementation Training Session**

29– 30 November 2018 | Civil Aviation Authority of Botswana, Gaborone,
Botswana



ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

Scheduled In-State training (Joint Implementation Training Session)

- Follow-up Lilongwe, Malawi;
 - 29-30 April 2019
 - Venue: Malawian CAA Offices





ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER



Experience Gained





ICAO

ENVIRONMENT



ICAO Environmental
Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

South African Experience as the Donor State

- Honored to have participated in the first phase of the ACT-CORSIA Buddy Partnerships.
- As Donor State:
 - contributed to ICAO's work on environmental protection;
 - played a role in the ICAO "No Country Left Behind" initiative;
 - experiences a valuable measure of goodwill in the region; and
 - Learning experience for RSA
- The support rendered resulted in an improved understanding of the CORSIA in the region.
- Some regional aircraft operators also benefited by receiving the training that was offered by ICAO through the Donor State
 - Enhanced their understanding of EMP development;
 - Allowed early start of EMP development.



ICAO

ENVIRONMENT



ICAO Environmental
Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

Experience by Recipient States

- The States had different levels of understanding and of implementing the CORSIA.
 - Collective learning: States that were new to the CORSIA managed to engage and share information with other States that were a step ahead.
- Collaboration is now taking place within the Buddy Partnership on efforts to achieve and enhance responsibility towards the CORSIA.
- Training also benefited some regional AO's.
 - Some regional aircraft operators managed to develop their EMPs based on the training provided.
- The ACT-CORSIA Buddy Partnership campaign served as an information source and collaboration opportunity. State authorities received information on the CORSIA SARPs and model regulations to assist them with regulation development.



ICAO

ENVIRONMENT



ICAO Environmental
Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

Experience by Recipient States, Cont.

- The ICAO ACT CORSIA catered for different economic realities
 - Training provided in the region; therefore catered for the different economic situations faced by recipients.
 - Recipients did not have to incur costs for international travel, accommodation, etc.
 - The training was offered free of charge.
- Challenge: limited time for the development for regulatory instruments by 1 January 2019.
 - Recipient States have very diverse steps to establish regulations which generally involves highest levels of government. (6 – 12 month process)
 - Each State initiated a process for regulation development and work is continuing towards getting the regulations promulgated.
 - At the same time, despite absence of regulations, airlines are found to be willing to comply with requirements for EMP by the stated deadlines.



ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER



The future of the Buddy Partnerships





ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

Next Steps

- South Africa intends to continue to provide assistance to the six Recipient States under the ACT-CORSIA initiative and intends to assist others if requested.
- South Africa will follow ICAO's directives regarding the next steps in the Buddy Partnership activities.
 - The upcoming support may involve assistance with verification requirements, plus the development of Emissions Reports.





ICAO

ENVIRONMENT



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER



ICAO

North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montréal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU