



ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

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

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# 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





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# Introduction

Who are we and what we are known for?











#### 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 alumino-silicates.
- 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")









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#### 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.











- 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.

trailince, Capacity-building and Lines

## 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

SADC made up of 16 Member States



















#### ENVIRONMENT





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















# 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)











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#### 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)













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



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# **Experience Gained**









#### 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.





## **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.









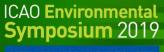
- The ICAO ACT CORSIA catered for different economic realities
  - Training provided in the region; therefore catered for the different economic situations faced by recipients.
    - Recipients did not have to incur costs for international travel, accommodation, etc.
    - The training was offered free 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.

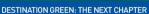
#### The future of the Buddy Partnerships











#### 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





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