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Ministério dos Transportes
Gabinete do Ministro

Third ICAO Conference on Aviation and Alternative Fuels (CAAF/3)
Statement by the Minister of Transport of Angola
His Excellency Dr. Ricardo D'Abreu
Dubai, United Arab Emirates, 20 November 2023

Environmental protection is among priorities in the national development plan established by the Government of Angola to enable the country to meet international requirements. The new National Aviation Law includes strong provisions on environmental protection for adequate implementation of ICAO Standards and Recommended Practices. The National Civil Aviation Authority encourages youth and aviation professionals to participate in ICAO aviation technology innovation competitions.

Angola is among the countries with strong commitment to energy transition. The production of biofuel is one of priority projects. Major oil and gas companies worldwide are involved in projects for reduction of greenhouse-gas emissions. Sonangol, national oil company, is following suit. The company is making significant efforts to becoming the leader to access the potential of Green Hydrogen production in Angola. Furthermore, Sonangol is contributing to development of renewable energy fields in the country. The company has launched and operationalized Angola Environment Service dedicated to environmental protection activities.

The National Civil Aviation Authority is implementing the action plan for the reduction of carbon dioxide gas emissions developed with European Union funding. The country has the capacity of collecting, processing, and reporting relevant data from key stakeholders and generate monthly and yearly carbon dioxide emissions reports for the aviation sector.

As of 15 May 2019, Angola report on the implementation of the action plan for the reduction of the carbon dioxide gas emissions in aviation sector indicated the following:

Total number of mitigation measures in the action plan were 11;
Number of measures completed by the end of the European Union project were 4;
Percentage of measures completed by the end of the European Union project was 36%;
Total expected carbon dioxide emissions reduction for international aviation 25,313 tonnes;
Tonnes of carbon dioxide emissions from international aviation reduced by the end of the European Union project were 6,256 tonnes, and;
Percentage of carbon dioxide emissions from international aviation reduced by the end of the European Union project was 25%.

Every transformation comes with cost. Angola has heavily invested for the materialization of the institutional and structural transformation of civil aviation sector that resulted, among others, in the edification of the recently inaugurated António Agostinho Neto International Airport, the modernization of the air navigation equipment and facilities, and the establishment of an independent national civil aviation authority while addressing challenges related to human resource development. The airport is green in its conception and includes the development of sustainable airport city. The technology for Satellite Based Air Navigation Systems, foreseen as future international standard for air traffic management, is currently incorporated in the ongoing efforts for improvement of air



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navigation service. While the operation of the technology will depend on constellations endorsed by the international civil aviation community, Angosat-2 programme may supplement the functioning of auxiliary services. This will contribute to improvement of operational procedures such as Design and implementation of Continuous Climb Operations and Continuous Descent Operations and provide Free Route Airspace.

The renewable energy produced by Sonangol and other entities as well as biofuel produced by Biocom will be first used for aviation on ground equipment and facilities at António Agostinho Neto International Airport. The biofuel will migrate to experimental sustainable aviation fuels for commercial aircraft in the medium term. Biocom factory production is still at small scale. The production will be gradually brought up to maturity to achieve large scale. The recent visit to Biocom of the President of the Republic, His Excellency João Lourenço, is a clear indication of Angola commitment to environmental protection and climate change.

Angola efforts in fulfilling its commitment on aviation environmental protection are extended to airlines as well. The schedule for TAAG - Angolan airlines fleet renewal programme is implemented accordingly. Several new generation aircraft have just joined the fleet. Few more aircraft are on firm order and will be delivered to the airlines within the planned timeframe.

Considering the relevance of aviation environmental protection in Angola, the Government has made it a must to accurately include suitable provisions on environmental protection in any concession agreement at António Agostinho Neto International Airport for efficiency, effectiveness, and sustainability in decarbonising air transport since a similar framework is applied in negotiations and renegotiations of bilateral air service agreements.

With regard to Africa, ICAO may consider to strengthen the assistance to States in updating their respective action plans for the reduction of carbon dioxide gas emissions in aviation sector to enable greater implementation of the outcomes of this Third ICAO Conference on Aviation and Alternative Fuels. Such assistance may be conducted following the strategy of Regional Office Safety and Security Teams which yield positive solutions in the effective implementation of ICAO requirements on aviation safety and security. A continent-wide environmental protection plan will be assessed by a steering committee.

Furthermore, States may consider teaming efforts within ICAO No Country Left Behind Initiative to graciously exchange experience on bilateral and multilateral basis to build capacity that may lead towards job creation and economic transformation.

Angola views the recently created Global Biofuel Alliance as a wide programme for definition of better approaches to develop strategies for addressing challenges on cross cutting issues concerning Sustainable and Alternative Fuels, and Lower Carbon Aviation Fuel. Therefore, ICAO may participate in key forums of the Global Biofuel Alliance for the advocacy of aviation interest.

MINISTRY OF TRANSPORT FROM THE REPUBLIC OF ANGOLA, IN LUANDA, OCTOBER 23rd, 2023