



NIGERIAN CIVIL AVIATION AUTHORITY

THE NIGERIAN EXPERIENCE ON THE UPDATE OF STATE ACTION PLAN ON CO2 EMISSIONS REDUCTION

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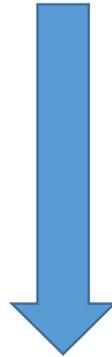
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INTRODUCTION



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THE FEDERAL REPUBLIC OF NIGERIA



- **A total area of 923,768 km² (356,669 sq mi)**
- **A population of about 217 million people**
- **The largest economy in Africa**
- **A major producer of petroleum**



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THE NIGERIAN AVIATION INDUSTRY





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THE NIGERIAN STATE ACTION PLAN TEAM



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AGENCIES REPRESENTED IN THE ACTION PLAN TEAM

S/N	Name of Agency	Responsibility
1.	Nigerian Civil Aviation Authority (NCAA)	Responsible for safety, Security and Economic Regulations of the industry.
2.	Federal Airports Authority of Nigeria (FAAN)	Responsible for the management and services of Federal Airports.
3.	Nigerian Airspace Management Agency (NAMA)	Responsible for the management and services of Air Navigation Services.
4.	Nigerian Airlines	Operators of International Flights
5.	Nigerian Ministry of Environment	Responsible for Environment Policy
6.	Ground Handling Companies	Responsible for handling of airline operations at the airports



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RESPONSIBILITIES OF NIGERIAN ACTION PLAN TEAM





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NIGERIAN STATE ACTION PLAN



**First
submitted to
ICAO in 2015**

**Updated in
year 2021**

**The various
measures
contained in
the State
Action Plan
are being
implemented**



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THE PROCESS FOR UPDATING THE NIGERIAN STATE ACTION PLAN



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THE ICAO ASSEMBLY RESOLUTIONS

**ICAO
Resolution
A37-19**

**ICAO
Resolution
A38-18**

**ICAO
Resolution
A39-2**

**ICAO
Resolution
A40-18**



NIGERIAN STATE ACTION PLAN (SAP) COMMITTEE



NIGERIA'S UPDATED STATE ACTION PLAN

MEETINGS AND WORKINGS OF THE COMMITTEE TO UPDATE THE SAP

COLLATION OF DATA FROM FOCAL POINTS

APER TOOLS – DOC 9988, ENVIRONMENTAL BENEFIT TOOL (EBT), FORM M, IFSET, RULE OF THUMB

ANALYSIS OF THE DATA FOR THE BASELINE AND EXPECTED RESULTS

THE FINAL DOCUMENT IS UPLOADED ON APER WEBSITE AND SUBMITTED TO ICAO



STEPS TAKEN TO UPDATE THE SAP

1. The State Action Plan Committee worked as a team.

2. Mitigation measures were identified, discussed agreed upon and quantified.

3. Data were collated through Form M and fuel savings from airports and air navigation service providers were analyzed using EBT and IFSET.



THE UPDATED NIGERIA'S STATE ACTION PLAN

CONTENTS/FORMAT

1

- OVERVIEW OF NIGERIAN CIVIL AVIATION INDUSTRY

2

- ASPIRATIONAL GOAL FOR EMISSIONS REDUCTION

3

- NEW NIGERIA'S COLLABORATIONS

4

- QUANTIFIED MITIGATION MEASURES

5

- BASELINE AND EXPECTED RESULTS



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EFFORTS MADE TO MITIGATE CO2 EMISSIONS



**FUEL EFFICIENCY IMPROVEMENT OF AIRCRAFT
USED BY OPERATORS IN NIGERIA**



**IMPROVEMENT IN AIRPORTS
INFRASTRUCTURE**



**IMPROVEMENT IN AIR NAVIGATION FACILITIES
AND TRAFFIC MANAGEMENT SYSTEM
INCLUDING PBN**



**FUEL CONSERVATION TECHNIQUES BY
GROUND HANDLING COMPANIES**



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UPDATES ON SOME MITIGATION MEASURES

1. Implementation of the Performance Based Navigation (PBN) by NAMA.

2. Development of Environmental sustainability in some major airports and Airport Carbon Accreditation by FAAN

3. Drastic reduction of carbon emissions and GSEs with low carbon engines by ground handling companies.



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CONCLUSION



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The Measures contained in the updated Nigerian State Action Plan is being implemented and the resultant effect is the gradual reduction of CO₂ emissions

NIGERIA'S UPDATED ACTION PLAN TO REDUCE CO₂ EMISSIONS FROM INTERNATIONAL CIVIL AVIATION





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THANK YOU
FOR YOUR
ATTENTION

