



## OVERVIEW OF THE ICAO WORK ON ENVIRONMENTAL PROTECTION

Ms. Jane Hupe Chief, Environmental Unit Civil Aviation Organization - ICAO

**ICAO Colloquium on Aviation Emissions with Exhibition** 



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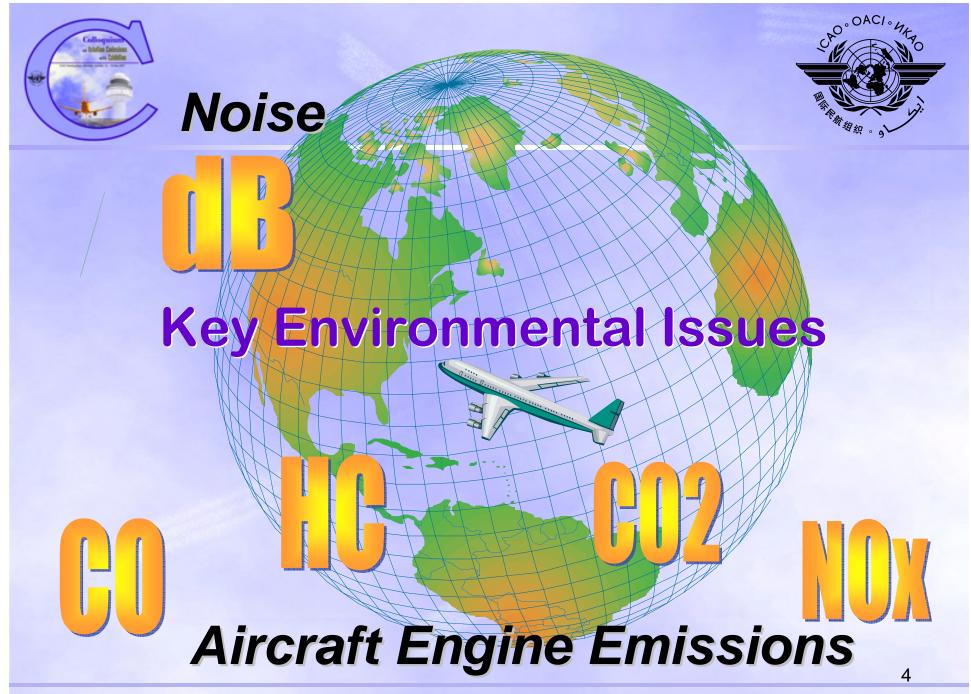


General Information
ICAO and CAEP
ICAO policies and Standards
Recent activities
Next steps

## **ICAO – International Civil** Aviation Organization

Specialized Agency of the United Nations

- Created in 1944 by the Convention on International Civil Aviation (Chicago Convention)
- Membership: 190 Contracting States
- Strategic Objective on Environmental Protection : Minimize the adverse effect of global civil aviation on the environment



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## ICAO ENVIRONMENTAL GOALS



'ICAO is conscious of its responsibility and that of its Contracting States to achieve the maximum compatibility between the safe and orderly development of civil aviation and the quality of the environment. In carrying out its responsibilities ICAO will strive to:

- a) limit or reduce the number of people affected by significant aircraft noise;
- b) limit or reduce the adverse impact of aviation emissions on local air quality; and
- c) limit or reduce the impact of aviation greenhouse gas emissions on the global climate."

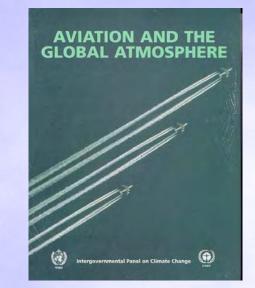


## COOPERATION WITH OTHER ORGANIZATIONS - IPCC



Intergovernmental Panel on Climate Change Special Report on Aviation and the Global Atmosphere

- Prepared at ICAO's request
- Completed April 1999
- Covered both climate change and ozone depletion



Climate Change 2007, the Fourth Assessment Report (AR4) to be published in 2007



## COOPERATION WITH OTHER ORGANIZATIONS -UNFCCC

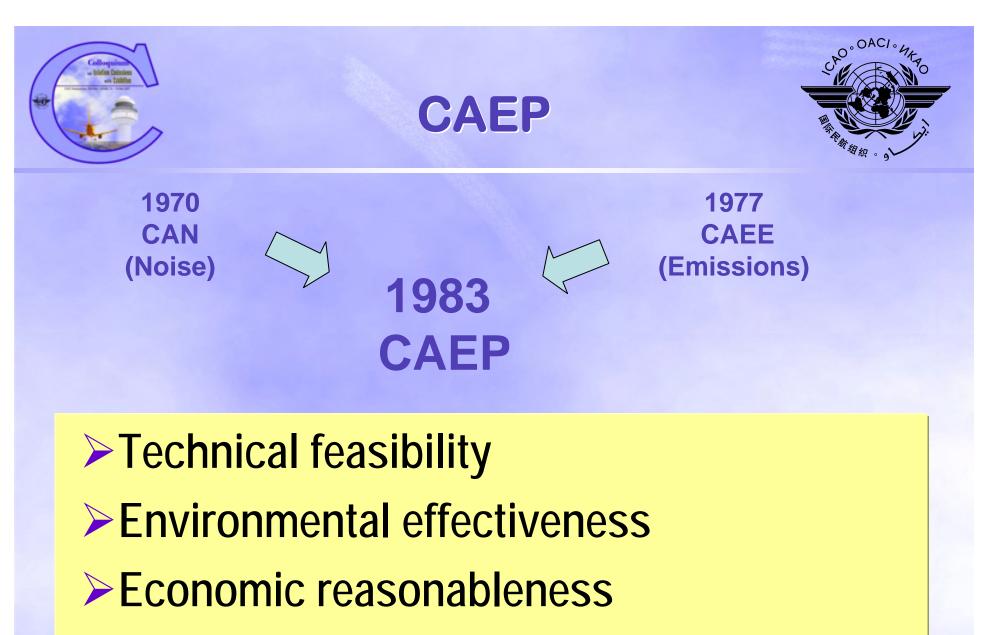


## **Kyoto Protocol**

> Adopted in 1997 and entered into force February 2005

- Commits Annex I Parties (developed Countries) to individual, legally-binding targets to limit or reduce greenhouse gas emissions
- Reductions of at least 5% between 2008-2012 compared to 1990 levels, and to
- Pursue limitation or reduction of emissions of greenhouse gases from aviation bunker fuels, *working through ICAO*





Interdependencies of measures







Argentina Australia Brazil Canada Egypt France Germany

India Italy Japan **Netherlands** Poland Russian Fed. Singapore

South Africa Spain Sweden Switzerland Tunisia **United** - Kingdom **United States** 

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## CAEP Members and <u>Observers</u>



Greece	EC	ICCAIA
Norway	ICSA	IFALPA
ACI	IATA	UNFCCC
ACAC	IBAC	WMO





## ICAO Policies and Standards

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A35-5



Doc 9848



Assembly Resolutions in Force (as of 8 October 2004)

Published by authority of the Secretary General

International Civil Aviation Organization

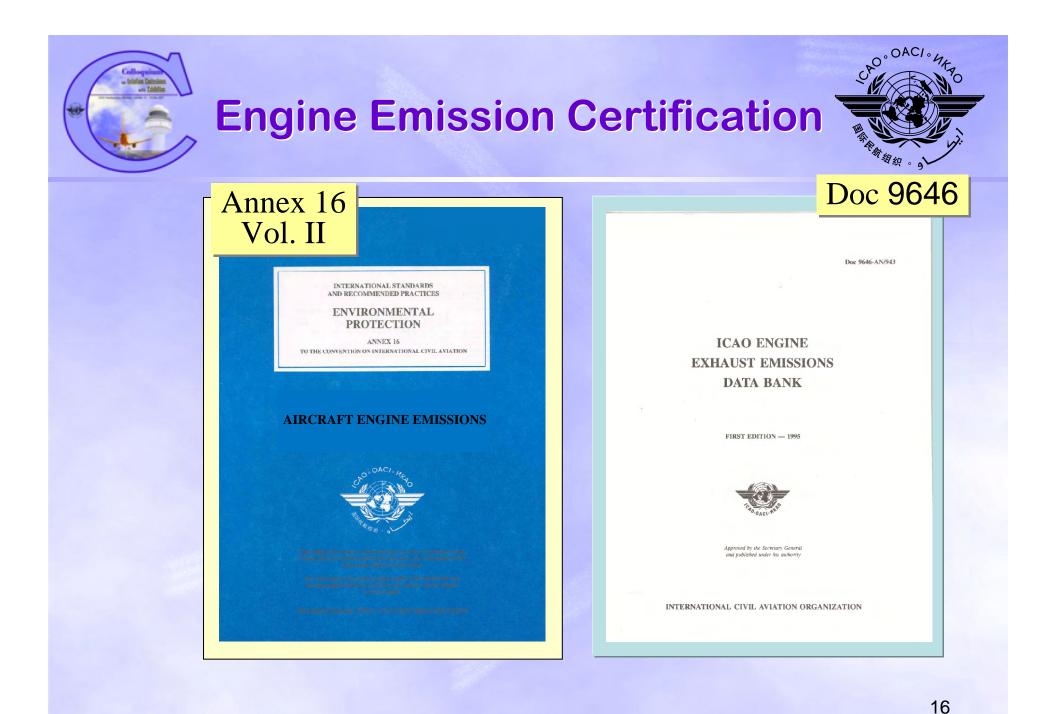
A35-5: Consolidated statement of continuing ICAO policies and practices related to environmental protection



 Appendix A: General
 Appendix B: Development of Standards, Recommended Practices and Procedures and/or guidance material relating to the quality of the environment



# Appendix H: Environmental impact of civil aviation on the atmosphere Appendix I: Market-based measures regarding aircraft engine emissions



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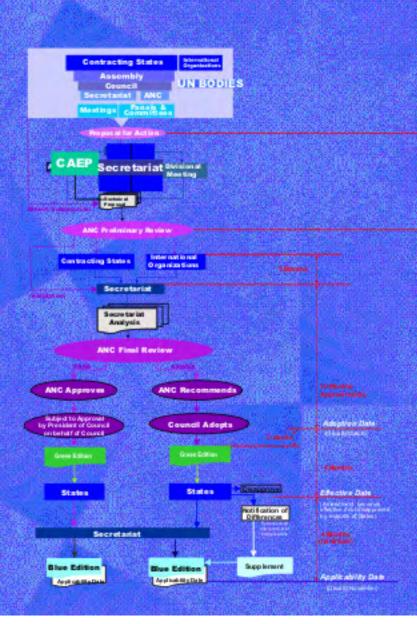
## Making an ICAO Standard

**Origin of Proposal** 

#### **Development Phase**

**Review Phase** 

Adoption/ Publication Phase





## THE SEVENTH MEETING OF THE CAEP (CAEP/7)



Held from 5 to 16 February 2007 Around 200 participants Approved 17 recommendations >11 related with aircraft engine emissions Progress was achieved on technical, operational and market-based measures to mitigate emissions



## THE SEVENTH MEETING OF THE CAEP (CAEP/7)



- ➢New SARPs for Annex 16 Vol. I
- New guidelines on the use of Procedures in the Emissions Certification of Aircraft Engines
- > New mid and long-term technology goals for NOx
- > New Airport Air Quality Guidance Manual
- New ICAO Circ. on noise and emission effects from NADPs
- New report on Voluntary Emissions Trading for Aviations
- New Draft Emissions Trading Guidance
- > New Local Air Quality Emission Charges Guidance
- Changes to the ICAO Policy on Charges for Airports and Air Navigation Services
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## RECENT DEVELOPMENTS AND NEXT STEPS



- ANC, ATC and the ICAO Council considered the CAEP/7 Report (March 07)
- States consulted on proposed SARPs (May 07)
- CAEP started the work in preparation to CAEP/8 (CAEP future work approved by CAEP/7)

## Colloquium

- Review of A35-5 by Council June 2007
- Next CAEP Steering Group November 2007



## Environmental Report

The ICAO Environmental Report 2007 will provide a comprehensive account of the work of the CAEP including a synthesis of keys developments from CAEP/7 and other recent developments

## **Emissions Plan**

 Secretariat is currently preparing the ICAO Emissions Plan summarizing the objectives and achievements of the Organization in this area



## The 36<sup>th</sup> session of the ICAO Assembly will be held from 18 to 28 September 2007

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# For more information on our activities please visit ICAO's website **WANNICAO.INT**

## Or our stand outside the Assembly Hall

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