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ICAO CAPACITY BUILDING SEMINAR ON LOW EMISSIONS AVIATION MEASURES

States' strategy to deal with international aviation emissions: Mitigation Measures

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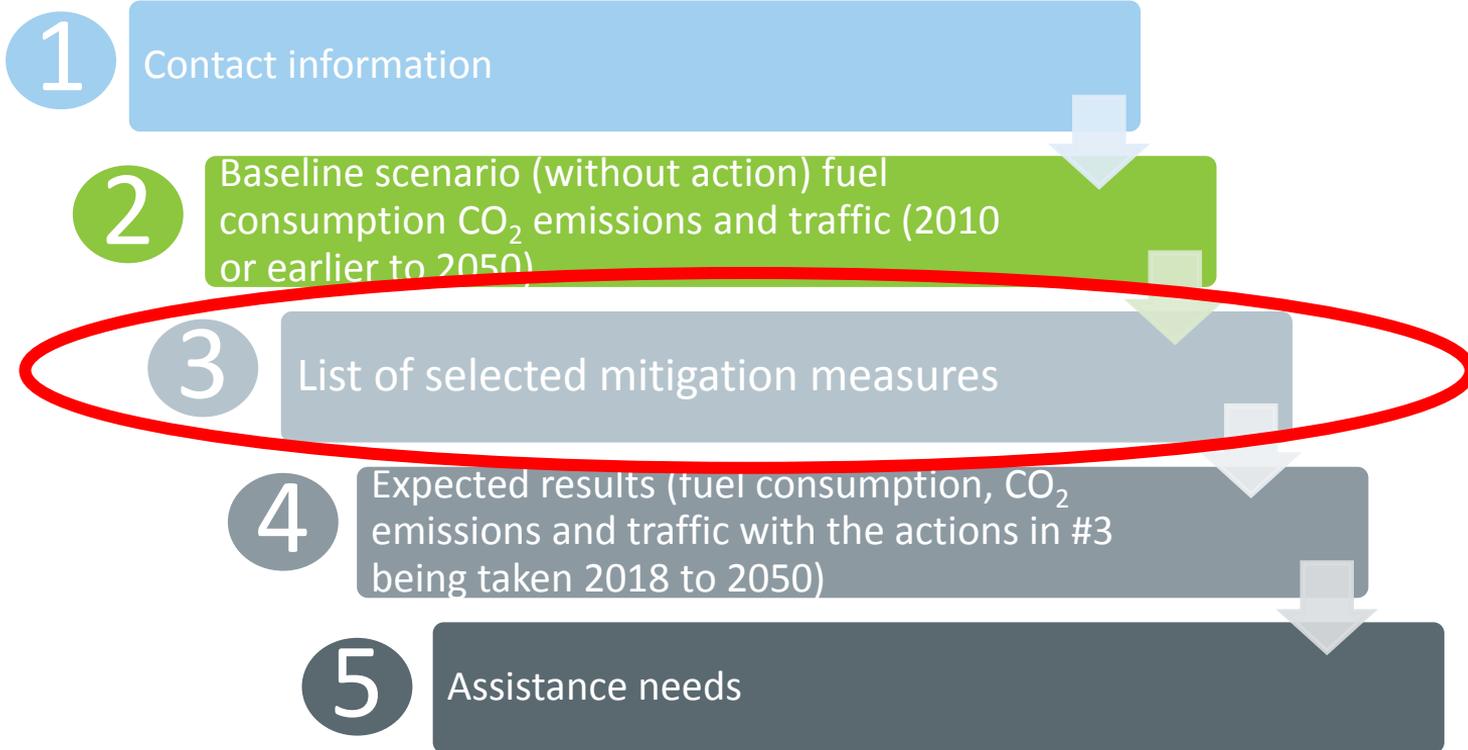


Outline

- ICAO State Action Plan Minimum Content Review
- Defining ICAO's Basket of Measures
 - Mitigation Measures – Seven (7) categories of measures
 - Mitigation Measures – ICAO Basket of Measures
- Guidance on Selecting Measures
- Additional Guidance
- Additional Support
- Summary



State Action Plan Minimum Content





Defining ICAO's Basket of Measures

- High-level Meeting on International Aviation and Climate Change in October 2009 (HLM-ENV/09) endorsed the Programme of Action on International Aviation and Climate Change, which included:
 - global aspirational goals;
 - a basket of measures; and
 - the means to measure progress.



Mitigation Measures – Seven (7) categories of measures:

1. aircraft-related technology development;
2. sustainable aviation fuels
3. improved air traffic management and related infrastructure use
4. more efficient operations
5. economic/market-based measures
6. regulatory measures/other; and
7. airport improvements



Mitigation Measures – ICAO Basket of Measures

As defined in the ICAO 39th Assembly Resolution A39-2:

Technology and standards

Sustainable alternative fuels

Operational improvements

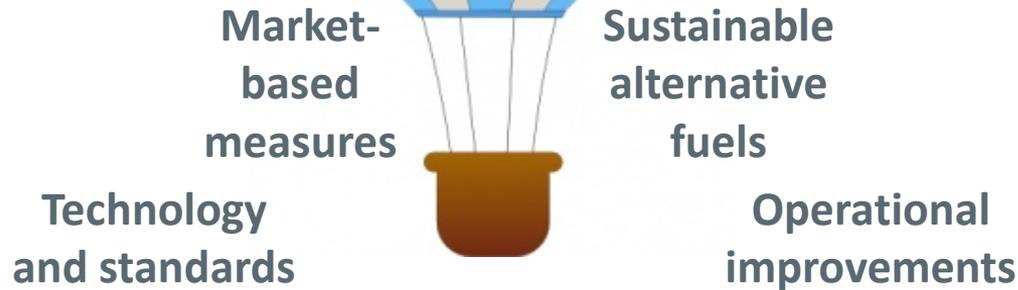
Market-based measures



7 Categories of Measures



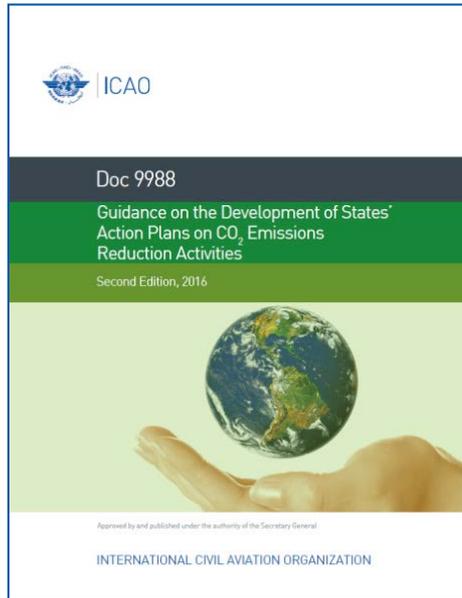
ICAO Basket of Measures



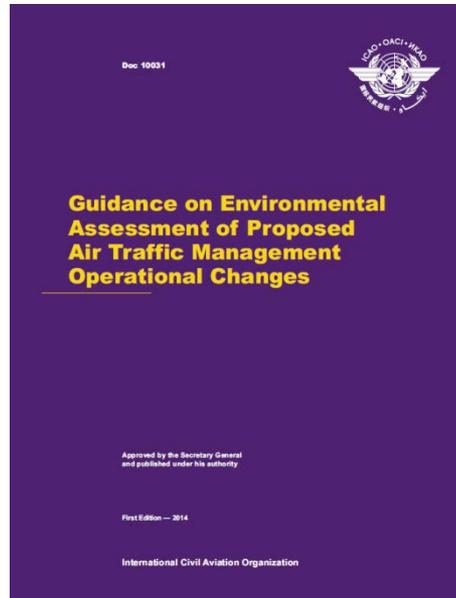


Guidance on Selecting Measures

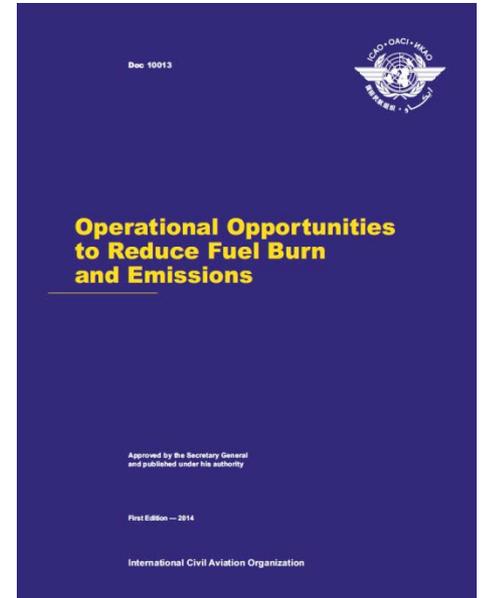
- Reference material:



ICAO Doc 9988



ICAO Doc 10031



ICAO Doc 10013



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Additional Guidance

TRANSFORMING GLOBAL AVIATION COLLECTION 2014

RENEWABLE ENERGY FOR AVIATION:

PRACTICAL APPLICATIONS TO ACHIEVE CARBON REDUCTIONS AND COST SAVINGS

GLOBAL ENVIRONMENT FACILITY
INVESTING IN OUR PLANET

TRANSFORMING GLOBAL AVIATION COLLECTION 2014

FINANCING AVIATION EMISSIONS REDUCTIONS

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REGULATORY AND ORGANIZATIONAL FRAMEWORK TO ADDRESS AVIATION EMISSIONS

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SUSTAINABLE AVIATION FUELS GUIDE

Powered by Sustainable Aviation Fuels

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Additional Support

- ICAO MAC Curve Tool
 - Will help Developing States and SIDS
 - Provides information on financial costs compared to CO₂ emissions reductions benefits



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In Summary

- Selecting appropriate mitigation measures are an integral part of a complete State Action Plan
- ICAO has developed a collection of guidance materials to assist States in the process of selecting mitigation measures
- The ICAO-UNDP-GEF Project has allowed ICAO to develop additional materials to support Member States in the process of selecting and implementing mitigation measures

For more information on this project, please visit ICAO's website:

https://www.icao.int/environmental-protection/Pages/ICAO_UNDP.aspx



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