



Assistance for Action

Aviation and Climate Change Seminar

23 - 24 October 2012

ICAO Headquarters, Montréal, Canada



Introduction to the ICAO Action Plan Web Portal

Blandine Ferrier



Site Overview





APER

Action Plan on Emissions Reduction

- Action Plan on Emissions Reduction
- STEP1 - Background and Contacts
- STEP2 - Baseline and Expected Results
- STEP3 - Mitigation Actions
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Welcome to the Action Plan on Emissions Reduction Website



This interactive website has been developed to assist States that want to prepare and submit to ICAO their Action Plan which outlines their policies and actions for addressing CO₂ emissions from international aviation. It is not finalized yet and should be used only for training purposes.

An action plan is a tool to showcase and communicate both at the global level, its efforts to address GHG emissions from international aviation

In many respects, the action plan resembles the executive activities such as security, planning, and implementing various tasks. The structure of the action plan is intentionally simple in order to facilitate a straightforward communication of the actions that a State intends to take and their expected results.

Background information

- ICAO Guidance Material for the Development of States' s Action Plans
- Assembly Resolution A37-19 – Climate Change
- Basket of Measures
- ICAO website

Navigation bar

Links to documentation

Browser address bar: <https://portal.icao.int/APER/Pages/BackgroundandContactInfo.aspx>

Browser menu: File Edit View Favorites Tools Help

Browser tabs: Pages - BackgroundandContactInfo



International Civil Aviation Organization

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Contact Information

Please enter the contact information for the focal points within your State for your action plan. Please note that the first point of contact individual responsible for submitting the action plan to ICAO. ICAO assistance available at actionplan@icao.int

New ▾ | Actions ▾ | Settings ▾

Name of the Authority	Point of Contact	Street Address	Country	State/Province	City	Telephone Number	Fax Number
-----------------------	------------------	----------------	---------	----------------	------	------------------	------------

Name of the Authority	Civil Aviation Authority of State ABC
Point of Contact	Joe Seguin
Street Address	888 ABC Street
Country	ICAO_test
State/Province	State ABC Province
City	State ABC city
Telephone Number	123-123456
Fax Number	123-123456
E-mail address	jseguin@stateabc.gov
Edit	

Name of the Authority	Air Navigation Services
Point of Contact	Steward Seguin
Street Address	999 ABC Street
Country	ICAO_test
State/Province	
City	ABC
Telephone Number	123-456-678
Fax Number	123-456-678
E-mail address	bbb@icao.int



International Civil Aviation Organization

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Instructions of entering data in this step

Please enter the estimated **baseline** of fuel consumption and CO₂ emissions for international aviation within your State. Then, enter the **projected fuel consumption and CO₂ emissions** (i.e. after implementation of mitigation actions) that your State envisages to reach. Please note that this year-by-year description of the projected Revenue Tonne Kilometres (RTK), fuel consumption, and CO₂ emissions can be done consecutively or periodically.

To simplify the importation of data, please note that you can directly copy/paste from an excel document.

How to compute RTK?

Revenue Tonne Kilometers = (A+B+C)

(Passengers carried x Flight Distance x 100 Kgs)/1000 = Passenger tonne Kilometers (A).

Freight Tons carried x Flight Distance (B)

Mail Tons carried x Flight Distance (C)

ICAO assistance available at actionplan@icao.int

Links

- ▣ Relevant documentation
- ▣ Add new link

Annual Intl fuel efficiency

Start year:

End year:

International CO₂ differ

Start year:

End year:

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Baseline

The baseline (optional) provides a description of future international aviation emissions in the absence of "additional" action and offers a basis of comparison of alternative future scenarios (courses of action). The baseline scenario corresponds to the scenario that reasonably represents the civil aviation CO₂ emissions that would occur in the absence of action. This corresponds to the business as usual or do-nothing additional scenario.

Year	Total Fuel (litres)	International Fuel (litres)	Total CO ₂ Emissions (kg)	International CO ₂ Emissions (kg)
------	---------------------	-----------------------------	--------------------------------------	--

Edit/Input Baseline

Expected Results

Expected results represent the projected fuel consumption and CO₂ emissions (i.e. after implementation of mitigation actions) that the State envisages to reach.

Year	Total RTK	International RTK	Total Fuel (litres)	International Fuel (litres)	Total CO ₂ Emissions (kg)	International CO ₂ Emissions (kg)
------	-----------	-------------------	---------------------	-----------------------------	--------------------------------------	--

Edit/Input Expected Results

Metric used to measure progress

Point of Contact for this step

Please describe the metric that will be used to measure progress towards the expected results.

New | Actions | Settings

New | Actions | Settings

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Calculate fuel efficiency and CO₂ emissions change here

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------	---------------------	-----------------------------	--------------------------------------	--

Add new link

Annual Intl fuel efficiency improvement:

Start year: 2010

End year: 2020

Go

Year	Fuel efficiency
2010	255.99
2020	206.02

Annual average change: -2.1%

International CO₂ difference:

Start year: 2020

End year: 2030

Go

Year	Intl CO ₂
2020	13,091,153,166.6
2030	13,091,153,166.6

The difference: 0.0%

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Measures to mitigate CO2 Emissions

Please click on **NEW** to enter a new measure to mitigate CO2 emissions to select from among the Basket-of- Measures for inclusion in your action plan. You will be asked to provide information regarding its schedule for implementation and its associated incremental improvements / benefits.

The benefits for each measure are estimated for a specific (or several) year(s) and are expressed relative to a scenario that does not include the measure. In the case where benefits are expressed relative to a base-year, they should not be entered in the "Incremental improvements / benefits for each measure" field. On those benefits should be included in the description (field) of the measure.

In principle, each State's aviation system is unique. Airspace, route configuration, fleet and traffic characteristics vary from State to another. Consideration should be given to the fact that, assuming that results (benefits, costs, rates, etc.) of measures implemented by other States apply to them, before validating those results.

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New ▾ Actions ▾ Settings ▾					
	Title	Action	Point of Contact	Start Date	D
<input checked="" type="radio"/>	Fleet replacement program	i. Purchase of new aircraft	Joe Seguin	01/01/2011	3
<input type="radio"/>	Alternative Fuels	i. Development of biofuels	Joe Seguin	04/08/2011	2

Incremental improvements / benefits for each measure

Please click on **NEW** to enter below the benefits / improvements linked to each specific mitigation action described above.

New						
Year	Improvement in	Improvement in	Improvement in	Improvement in	Improvement in	Improvement in
	Total CO ₂	Total CO ₂	International	International	Total CO ₂	Total CO ₂

Title *	<input type="text"/>
Description	<div style="border: 1px solid gray; padding: 5px;"><p>A A1 B I U [bulleted list icons] [numbered list icons] [link icon] [undo] [redo] [back] [forward]</p><div style="height: 100px;"></div></div>
Category	<input type="text"/>
Measure	<div style="border: 1px solid gray; padding: 5px;"><ol style="list-style-type: none">1. Aircraft related technology development2. Alternative Fuels3. Improved air traffic management and infrastructure use4. More efficient operations5. Economic/ market-based measures6. Regulatory measures7. Other</div>
Action *	
Start Date *	
Date of full implementation *	<input type="text"/> 
Economic cost	<input type="text"/>
Currency	<input type="text"/>
Reference to existing legislation	<div style="border: 1px solid gray; padding: 5px;"><p>A A1 B I U [bulleted list icons] [numbered list icons] [link icon] [undo] [redo] [back] [forward]</p><div style="height: 100px;"></div></div>
Legislation is proposed	<input type="checkbox"/>
Compliance	



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This step is the final revision before sending information to ICAO. Once the action plan has been submitted to ICAO, the action plan data for the given reporting year cannot be changed. Evolution/ improvement will be visible when submitting the next plan to ICAO. ICAO assistance available at actionplan@icao.int

Measures Detail Information

Expand All

Baseline	Expand
Expected Results	Expand
Alternative Fuels	Expand
Fleet replacement program	Expand