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THE COUNCIL OF ICAO

المكتب التمثيلي لدولة الإمارات العربية المتحدة
لدى الايكاو

Vision for the Sustainability of Alternative Fuels for Aviation: Is there an Additional Role for ICAO ?

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ICAO – Aviation and Sustainable Alternative Fuels

Agenda

- General Observations
- Challenges Ahead
- The Big Dilemma
- ICAO's Work on Alternative Fuels
- Is There an Additional Role for ICAO?
- Some Ideas for a Model Legal Framework
- Concluding Remarks



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General Observations

- Aviation – catalysis – fosters economic and social development
- 3-4% annual CO₂ emissions growth
- Alternative Fuels could reduce civil aviation's carbon footprint





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Challenges Ahead

- A number of challenges ahead
 - Sustainability Criteria
 - GHGs Lifecycle
 - Scale-up production
 - **Sufficient allocation to civil aviation**
 - Aviation will compete with other modes of transportation





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And the Big Dilemma is.....

- Assuming that all other pending issues are resolved (sustainability criteria, lifecycle, scale-up production), how do we ensure that alternative fuels are allocated to civil aviation in sufficient quantities to achieve meaningful reductions of CO₂ emissions?



- Other modes of transportation most likely will attempt to lay hands on the trophy....
- These modes of transportation may have significant lobbying power
- Very difficult to envision “aviation” as the “only” preferred buyer...



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ICAO's Work.

- ICAO Workshop Aviation and Alternative Fuels (10-12 February 2009)
- ICAO Conference on Aviation Alternative Fuels (CAAF – Rio de Janeiro, 16-18 November 2009)
- A37-19 “Climate Change” Resolution
- ICAO Aviation and Sustainable Alternative Fuels Workshop (Montreal, 18-20 October 2011)
- Hitherto ICAO’s Role: Forum to exchange information





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Is there an Additional Role for ICAO?





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Is there an Additional Role for ICAO?

- Yes there is.....

- ICAO could draft guidance materials or a model legal framework that would assist Member States in ensuring that alternative fuels are earmarked in sufficient quantities for the aviation sector;
- ICAO could engage further Member States participation in alternative fuels development.





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The Legal Framework

- Legal Framework should:
 - Indicate why it is relevant
 - Set general principles for research, development and deployment;
 - Ensure that sufficient supply is earmarked for the aviation sector;**
 - Provide a robust economic incentive structure;
 - Tax reliefs – tax exemption programs





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The Legal Framework

- Legal Framework should:
 - Establish a regulatory body, defining its jurisdiction and main prerogatives
 - Induce public / private participation & cooperation
- Legal Framework should not:
 - Impose a heavy administrative burden that may jeopardize production





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Concluding remarks

- An Additional Role for ICAO:

- The organization's activities should move from a forum seeking to facilitate exchange of information to concrete actions that may further assist Member States to profit from potential benefits of alternative fuels.

- This may include:

- Inducing further Member States participation & engagement;
 - Designing cooperation schemes; and
 - Developing guidance materials – model regulatory framework
 - This will most likely be one element but certainly not the whole equation
 - other factors will also need to be considered





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Thank You