



ICAO

ENVIRONMENT

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ICAO FLYING FOREST FIRE FIGHTING DIALOGUE

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Towards a Global Aerial Fire Management Compact

Riccardo Filippi and Johann Georg Goldammer



The Global Fire Monitoring Center (GFMC)



Towards a Global Aerial Fire Management Compact (I)

What can we learn from established bilateral agreements – the fire management cooperation agreements between the U.S., Canada, Mexico, Australia and New Zealand?

What can we learn from multilateral agreements such as the ASEAN Agreement on Transboundary Smoke Pollution or the European Union's Civil Protection Mechanism?





Towards a Global Aerial Fire Management Compact (II)

How can we expand and improve the existing international voluntary agendas in cross-boundary fire management towards enhanced interoperability, e.g. by including pre-arranged / pre-positioned Aerial Fire Fighting (AFF) resources?





Towards a Global Aerial Fire Management Compact (III)

The AFF component of a Global Fire Management Compact (GAFMC) **should not be** business-driven

The GAFMC **could be** a Public-Private Partnership – following the **model** of the UN Global Compact

The **United Nations Global Compact** – launched in 2000 – is a non-binding United Nations pact to encourage businesses worldwide to adopt sustainable and socially responsible policies





■ Towards a Global Aerial Fire Management Compact (IV)

Critical Issues for Aerial Firefighting within a GAFMC

- Standardized Universal Training
- Tactics
- Strategies
- Communication
- Interoperability
- Cost sharing
- Predictability
- Safety, Effectiveness, Efficiency

- **Towards a Global Aerial Fire Management Compact (V)**

Opportunities for Aerial Firefighting within a GAFMC

- The International Fire Aviation Guidelines: Application and further development
- See next presentation by Richard Alder





■ GAFMC Organizational Structure

Administrative / Technical

- Under UN / UNDRR umbrella, making use of the existing arrangements like the UNEP/OCHA, UCPM, Global Wildland Fire Network (GWFN), International Fire Aviation Working Group (IFAWG) – ICAO
- Draws bilateral / multilateral agreement for participating countries
- Leverages AFF-equipped countries into joining the network
- Assesses compliance requirements for private organizations willing to join the network



■ GAFMC Organizational Structure

Scientific / Strategic

- Assesses the risk index for geographical area
- Assigns additional assets (as provided by participating countries) to locally based AFF assets

Logistics / OCC (Global Operational Control Center)

- Arranges ferry flights or sea transportation for participating propeller driven aerial assets
- Makes provisions for seasonal bases in assisted countries (including fuel agreement and personnel hospitality)



■ GAFMC Organizational Structure

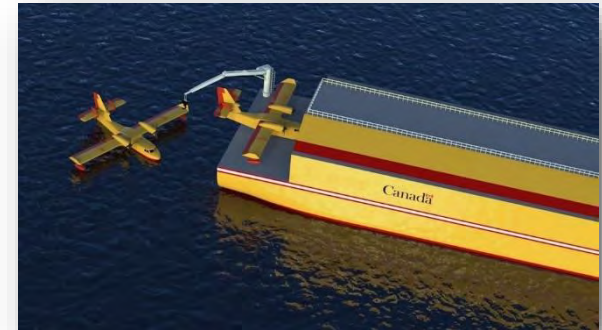
OPS Standardization & Training

- Assures OPS compliance with IFAWG Guidelines, through in-person meetings and distance training / webinars
- Verifies bases compliance and water sources minimum requirements for pick-up
- Addresses appropriate additional requirements for flight crews (e.g. multiple type ratings, night ops)

■ GAFMC Organizational Structure

Some considerations: Trans-Hemispheric Deployment of AFF Resources

- VLATs w/ indirect attack capabilities
- Scoopers w/ direct attack capabilities
- SEATs
- Helicopters
(accent on night ops)



Design:
Marc Godbout  RADIO-CANADA



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