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Indonesia Aviation Biofuels Policy



Presented by :

SAPTANDRI WIDIYANTO

Alternate Representative of Indonesia to ICAO
DGCA Indonesia Transport Attache in Canada

AVIATION BIOFUELS IN INDONESIA: INTERNATIONAL POLICY BACKGROUND



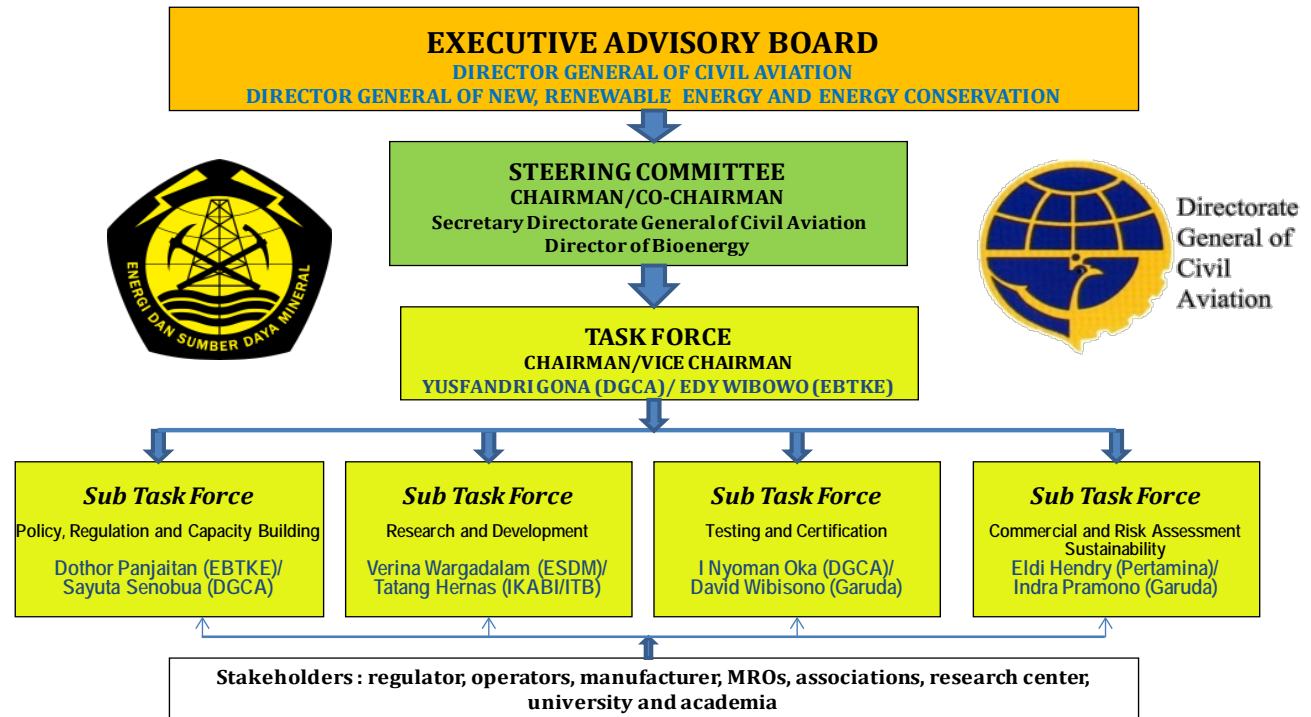
Indonesia submitted its **State Action Plan to Reduce Emissions in The Aviation Sector to ICAO in May 2013** with a basket of measures including:

- Carbon Emission Reduction In **Flight Operators, Air Traffic Management, Airport Operations, Application of Carbon Markets**
- **Use of Renewable Energy Sources (Bio Fuel, Renewable Energy)**

In 2013 it was launched the Indonesia Aviation Biofuels and Renewable Energy Task Force



INDONESIA AVIATION BIOFUEL AND RENEWABLE ENERGY TASK FORCE (INDONESIA ABRETF)
DG DECREE NO.: 517 K/73/DJE/2014 & KP. 429 YEAR 2014



COLLABORATION OF NATIONAL & INTERNATIONAL STAKEHOLDERS IN ABRETF



Directorate
General of
Civil
Aviation



INDONESIA INITIATIVE IS FRAMED AMONG OTHER GLOBAL PARALELL EFFORTS

Country	Year	Total Target
European Union	2020	application drop-in biofuel 4% , 2 MTon/year
United State of America	2018	application drop-in biofuel 1.000 MGallon /year
China	2020	application drop-in biofuel 3% , 4.2 MTon/year
Indonesia Initiatives	2016 -2020 2025	Application drop-in up to 3% , Totally 1, 76 Mkl 5% mixed target
Etc.		

REGULATORY FRAMEWORK: TRANSPORT BIOFUELS MANDATES

INDONESIA AIMS TO ESTABLISH A 2% USE OF AVIATION BIOFUELS BY 2018 AND 5% BY 2025

Ministry of Transportation Decree No. KP 201/2013;
Ministry of Energy & Mineral Resources Decree No. PM 32/2008 revised to No. PM 12/2015 concerning on Provision, Utilization, and Procedures of Commerce of Biofuels as Other Fuel

1. Priority of biofuel utilization,
2. **Mandatory of biofuel Implementation**
 - Biodiesel for Land Transportation/Ground Services 15% by Q2/2015; 20% by 2016 and 30% by 2020
 - **Biojet Fuels for Aviation 2% by 2018, 3% by 2020 and 5% by 2025**
 - **Renewable Energy for Airport Operational 7.5 MW up to 2020**
 - **Implementation of energy conservation in the airport**
3. Standard and quality of biofuel,
4. Pricing policy,
5. Commercial activities of biofuel,

AVIATION BIOFUELS IN INDONESIA: SUSTAINABILITY IS A TOP PRIORITY

ICAO
INTERNATIONAL CIVIL AVIATION ORGANIZATION

- ✓ **Sustainability is a top priority** for the aviation industry and also for the Indonesian Aviation Biofuels and Renewable Energy initiatives



- ✓ The Indonesia Government **has developed the Indonesia Sustainable Palm Oil (ISPO) standard**, to warrantee the sustainability of the feedstocks used.

- ✓ **Indonesia is supporting** with important resources the **development of a global sustainability framework in ICAO** through the work of CAEP.
- ✓ **In this effort is closely cooperating with the United States**



ICAO 39TH ASSEMBLY:

APPROVAL OF THE CARBON OFFSETTING AND REDUCTION SCHEME FOR INTERNATIONAL AVIATION (CORSA)



REGIONAL
COOPERATION

Indonesia has volunteer to participate in the first implementation phase and to facilitate regional cooperation as pilot country

INTERNATIONAL COOPERATION



The Federal Aviation Administration (FAA) and Indonesian Directorate General of Civil Aviation (DGCA) signed in 2015 an agreement to promote developing and using sustainable, alternative aviation fuels and additional environmental collaboration between the two nations.



Thank you