

# AESA-WG: TREATMENT, UNDER THE EU ETS, OF ALTERNATIVE ENERGY SOURCES IN AVIATION

progress update

*13<sup>th</sup> EU ETS compliance conference*

22/11/2022



## AESA-WG: *ad hoc* working group on treatment, under the EU ETS, of Alternative Energy Sources in Aviation

- **Objective:** development and update of additional guidance for the EU ETS Competent Authorities, beyond and complementing the official one, on the treatment of alternative energy sources, *inter alia* sustainable biomass.
  - *could* include FAQs intended for AOs and Verifiers as final users and/or material for support and capacity building for AOs and Verifiers and, if appropriate, for fuel suppliers.
- **Work in progress:** *quick guide* on supporting documentation required for zero-rating claims associated to sustainable biofuels for aviation in the EU ETS.
- **Future work:** further guidance (examples, templates use), thresholds, small emitters and ESF use, CORSIA,



## Technical Guidance on supporting documentation required for zero-rating claims associated to sustainable biofuels for aviation in the EU ETS

Issue 1.0

- *'quick guide'*: first version ready to be released
  - non binding, open to be modified
    1. **Glossary** – stand-alone reading
    2. **Documentation requirements**
      1. **MP** – procedures
      2. **MRR criteria for biomass in aviation**
    3. **Document evidences**
      - **Option 1 (Accounting for physically traceable fuel)**
      - **Option 2 (Simplified approach for accounting of biofuels)**
      - **Evidences for Sustainability Compliance**





- **Future work**

- Further guidance
  - Examples of procedures for monitoring biofuel use
  - Definition of source stream (data aggregation and report)
  - Treatment of the NCV
  - Attribution to flights in option 2
  - Small emitters cases
- Treatment of biofuels for thresholds calculation (inclusion on EU ETS, small emitters)
- Use of biofuels while using the Emissions Trading System Support Facility (ETS SF) – verification requests
- CORSIA (Corsia Eligible Fuels) - implementation
- Non-biological origin fuels (RCFs, RFBNOs...)



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  - Further guidance
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    - **Definition of source stream (data aggregation and report)**
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  - **Use of biofuels while using the Emissions Trading System Support Facility (ETS SF) – verification requests**
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- Definition of source stream (data aggregation and report)

Fuel No.	Name of fuel	preliminary EF [t CO2 / t fuel]	NCV [GJ/t]	biomass content (sustainable) [%]	biomass content (non-sustainable) [%]
1	Jet kerosene (Jet A1 or Jet A)	3.15	44.10	0.00	0.00
2	Jet gasoline (Jet B)	3.10	44.30	0.00	0.00
3	Aviation gasoline (AvGas)	3.10	44.30	0.00	0.00
4	Jet A1 10% SAF HEFA UCO	3.15	44.10	10.00	0.00
5	Jet A1 neat (100%) SAF FT-MSW	3.15	44.10	100.00	0.00
6	Jet A1 neat (100%) SAF (no sost) HEFA UCO	3.15	42.80	0.00	100.00
7	Jet A1 5% SAF UCO (coprocesado)	3.15	44.10	0.00	5.00

aviation biofuel can only be used blended, however the PoS refer to the neat sustainable blending component, can a fuel be reported as 100% sustainable biomass? (vs. max 50%)

Can fuels with same process/feedstock but different life cycle emissions can be declared as the same fuel? Criteria?

\* Relevant for AER section 9

Fuel No.	Name of fuel	Fuel type	Feedstock	Conversion process	Life cycle emissions
4	Jet A1 10% SAF HEFA FT-MSW	Jet-A1	MSW	Fischer-Tropsch	84.93
5	Jet A1 neat (100%) SAF HEFA UCO	Jet-A1	UCO	HEFA	18.80
6	Jet A1 neat (100%) SAF HEFA UCO	Jet-A1	UCO	HEFA	18.80
7	Jet A1 5% SAF (coprocesado)	Jet-A1	UCO	coprocesado	90.20



- Attribution to flights (option 2)

Aerodrome Pair (use 4-letter ICAO designator)		Total number of flights per aerodrome pair	Total emissions [t CO2]
Aerodrome of departure	Aerodrome of arrival		

*Propose criteria to best assign, non-physically traceable fuel (to an aircraft section 9 AER and 8a and 11)*

- Use of biofuels while using the Emissions Trading System Support Facility (ETS SF)
  - Modify report vs. add additional complementary report
  - Verification needs
- CORSIA (Corsia Eligible Fuels) – implementation
  - Sections on CEF (information required, evidences, treatment of non biological CEF...)

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