ReFuelEU Aviation

Fuel Monitoring Tool

30/01/2025
Sesión Informativa Implementación
Reglamento ReFuel EU Aviation

Your safety is our mission.

An Agency of the European Union

EASA
European Union Aviation Safety Agency

Agenda

Supporting documents

Fuel Monitoring tool as part of the overall reporting process

Fuel Monitoring Tool

- *Structure*
- *Demonstration*

Questions

Supporting documentation

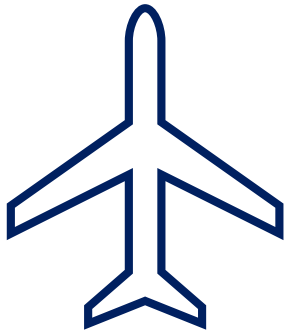
ReFuelEU Aviation Regulation (EU) 2023/2405

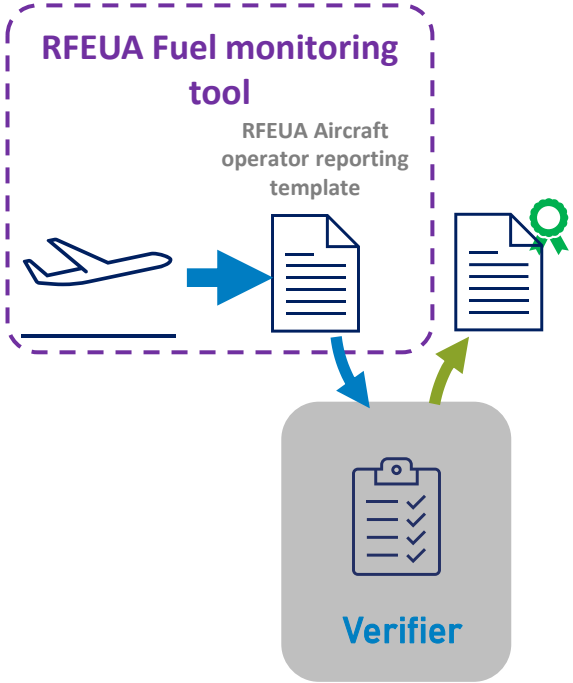
- Interpretative guidelines on the application of the exemptions referred to in Article 5
- List of Aircraft Operators
- List of Union airports
- List of competent authorities of the Member States
- ReFuelEU Aviation Template for Aircraft Operators
- Manual for aircraft operators and verification bodies
- ReFuelEU Aviation Fuel Monitoring Tool

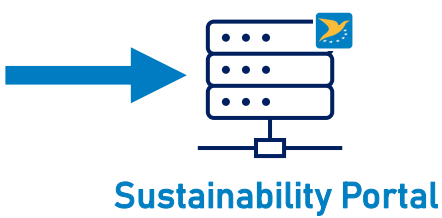
Today's deep dive

Recommended RFEUA Fuel Monitoring Tool

Art.8





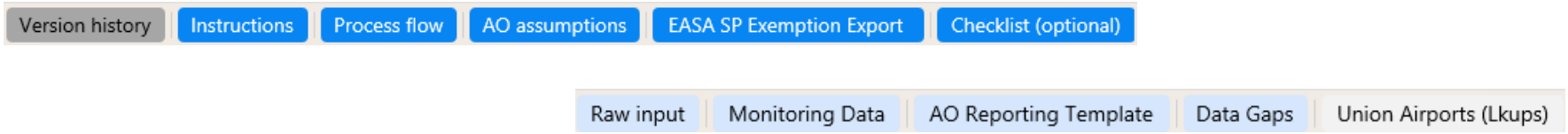


Recommended RFEUA Fuel Monitoring Tool

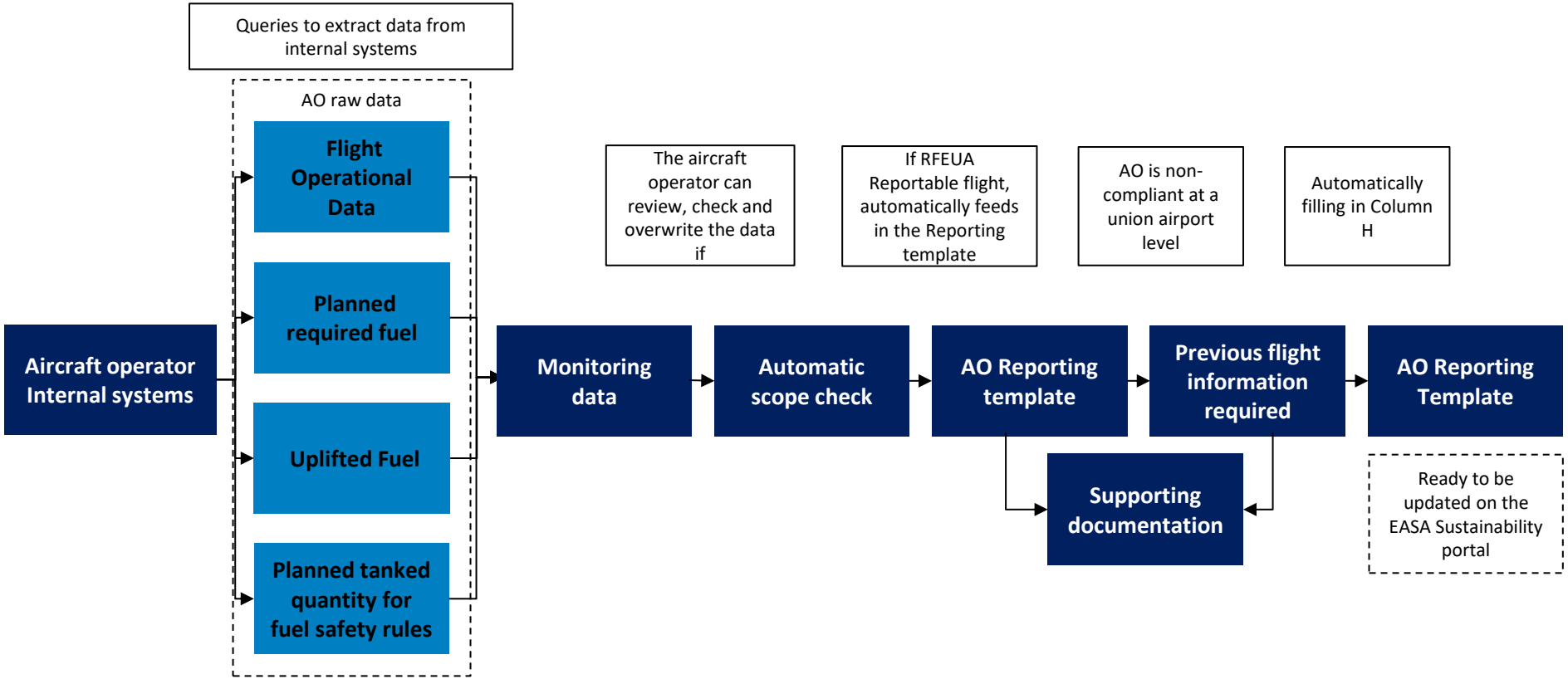
Objectives:

- → Gathering all the raw data for the RFEUA reporting requirements
- → Create a common template for all AO and verification bodies
- → Automatically feed in the ReFuelEU Aviation Template for Aircraft Operators
- → Support AO in regards with the column H

While this document is stated in the RFEUA Manual for AO and verifiers, it does not constitute a legally binding document.
Its aim is to simplify the reporting duties and verification process of airlines under RFEUA.
Every AO willing to use this template is free and encouraged to customise and make this tool its own



The RFEUA fuel monitoring tool flow



Version History

Version history		
Version:	**Roll out date**	**Correction**
Version 1.1	04/12/2024	**Union Airports list updated**, with airport names and codes for: ESMA, ESSB, LFOB, LFSB, LIME, & LIRA
Version 1.2	22/01/2025	**- Instructions:** Monitoring Data and Union Airports (Lkups) explanation updated. **- AO Assumption cell B5:** "Reporting ~~Year~~ Period" - **Raw Input column R**: Formula changed for Aviation Fuel Quantity to account for Tonnes and not Kg. **-Raw Input column Q Block Time (hrs):** Updated formula to calculate block hours, ensuring accurate calculation of time differences for flight arriving next day. - **Monitoring Data column AQ to AY:** Updated to reflect if previous flight information is missing. New feature in column AY to identify missing information. - **AO Reporting Template column H:** Update, Column H turns to zero for each Union airport where any of the flight under consideration or previous flight has missing information.

AO Assumptions

Aircraft operator manual inputs		
Operator ICAO Call Sign	XXX	
Reporting Period	2024	

AO Fuel scheme definition

Content:

For aircraft operators not following the EASA fuel scheme defined in the AMC, this tab povides the source for further explanation on the type of fuel scheme used and the fuel category definitions.

Exemption Article 5(3)

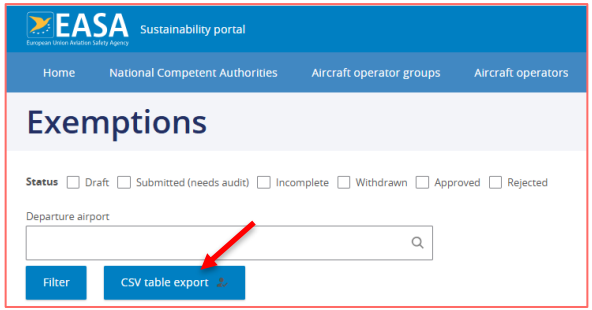
This section allows aircraft operators to enter their **approved exempted routes** under Article 5(3) of the ReFuelEU Aviation regulation. After submitting a request via the EASA Sustainability Portal and receiving approval, operators can input **the exported data in the *EASA SP Exemption Export* tab, ensuring it only includes their approved routes.**

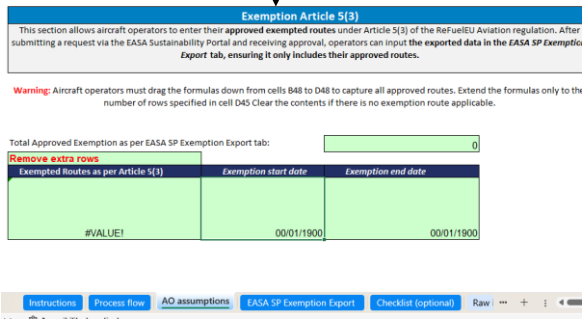
Exemption Step by step exclusion

Extract list of 5(3) exemptions directly from the Sustainability Portal

Copy paste it in the **EASA SP Exemption Report** tab

The tool will automatically exclude the exempted routes from the final report





Raw data input

Raw Data input:
This tab serves as a raw data input feed, directly sourced from system queries, before any verification or intervention by the aircraft operator. It should contain only data extracted from the aircraft operator's internal systems, allowing the operator to trace changes and backtrack any queries to the raw data.

Monitoring data

- → This monitoring table serves as a working tab for the aircraft operator.
- → Once all the data is correctly input in the *Raw Input* tab, **the monitoring data should reflect exactly the same data. If not, ensure you drag down the formulas sufficiently to cover the last row of your input data.**

Reporting flow and structure:							
Flight Operational Data	Planned Required Fuel	Uplifted Fuel	Planned tanked quantity for fuel safety rules	Actual operational consumption	Scope Checks	Previous flight information	Supporting Documentation

AO Reporting template

- When all the checks are completed in the *Monitoring Data* tab, the aircraft operator should be able to directly extract the data from this tab and input it into the "official" ReFuelEU reporting template to be uploaded to the EASA sustainability portal.
- Some formulas in this tab rely on allocated name ranges. Please cross-check and update them as needed in certain cases.

The AO reporting template tab can be copy pasted in the ReFuelEU Template to upload on the Sustainability portal

Union Airport Name	ICAO Code of Union Airport	Total flights operated departing from the Union Airport (Nº flights)	Total flights hours operated departing from the Union Airport (Nº hours)	Yearly aviation fuel required (tonnes)	Yearly actual aviation fuel uplifted (tonnes)	Yearly non-tanked quantity (tonnes)	Yearly tanked quantity for fuel safety rules (tonnes)
#CALC!	#CALC!	0	0.00	0.00	0.00	0.00	
#N/A		0	0.00	0.00	0.00	0.00	
#N/A		0	0.00	0.00	0.00	0.00	
#N/A		0	0.00	0.00	0.00	0.00	

Union Airport Name	ICAO Code of Union Airport	Total flights operated departing from the Union Airport (N° flights)	Total flights hours operated departing from the Union Airport (N° hours)	Yearly aviation fuel required (tonnes)	Yearly actual aviation fuel uplifted (tonnes)	Yearly non-tanked quantity (tonnes)	Yearly tanked quantity for fuel safety rules (tonnes)
						0.00	
						0.00	
						0.00	
						0.00	
						0.00	
						0.00	
						0.00	
						0.00	
						0.00	
						0.00	

Data Gaps

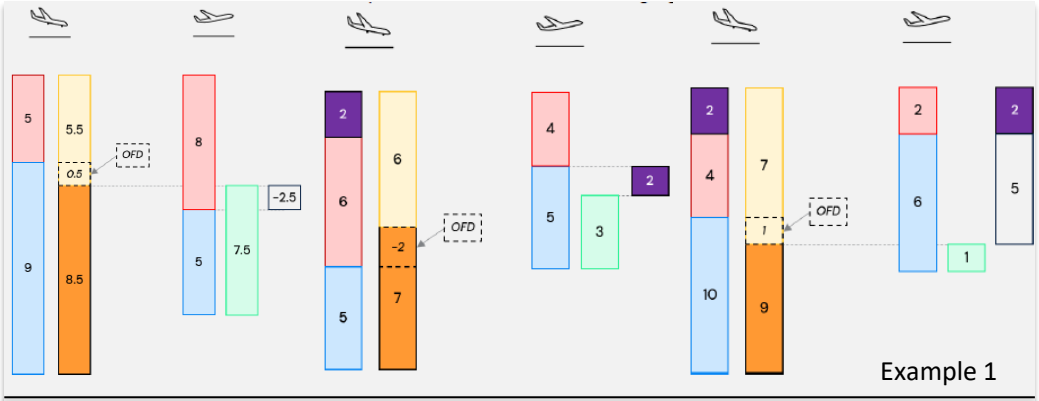
This tab aims at providing a placeholder for the aircraft operator to gather and justify missing data.

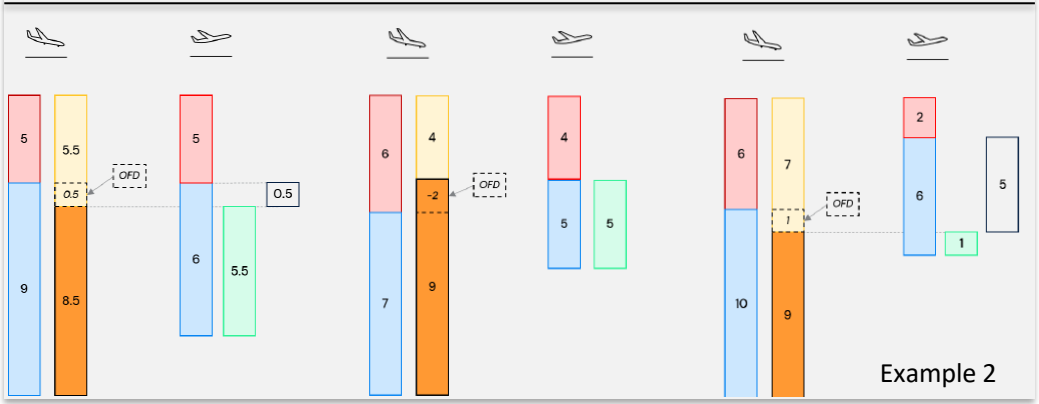
In this tab:

- → Aircraft operators can provide explanations on why data is missing and highlight biggest challenges
- → Verification bodies can use this tab to verify and validate/negate the report
- → Challenges highlighted in this tab will be reviewed and used to adapt and improve the manuals and the tools

Percentage Of Data Gaps			
Number of Flights Impacted	**Type of data missing**	**Reason**	**Mitigation Process**

Examples of the Manual applied to the Tool





The examples from the Manual were applied to the tool

Yearly aviation fuel required (tonnes)	Yearly actual aviation fuel uplifted (tonnes)	Yearly non-tanked quantity (tonnes)	Yearly tanked quantity for fuel safety rules (tonnes)
18.00	28.00	0.00	
16.00	11.50	2.90	0.50
12.00	26.00	0.00	
17.00	11.50	3.80	5.50

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Questions

easa.europa.eu/connect

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