

Update on FuelEU implementation

FuelEU Maritime

Unit 3.2 Digital Solutions

December 4th, 2025


1. Upcoming enhancements (version 10.5, December 2025):


- WtT EF MP
- XML upload enhancement
- Norway and Iceland Voyages and Ports reporting
- Update list of Port codes


2. Attribution of Companies to Administering States


3. Rounding rules and Ice derogations


Deployment updates to come are usually listed in the “support” page under “What is planned in the future releases of THETIS-MRV?” section.




 MY FLEET

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 SUPPORT

Welcome Caroline Vodrazka
System administrator, ver 10.3.1

Menu

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What to do in case I need support?

Where can I get information on the Legal Regulations?

Where can I get information on THETIS-MRV system?

To whom can I address questions on the EU MRV Regulation, EU ETS Directive, or Fuel EU Regulation?

To whom can I address questions on THETIS-MRV system?

Where can I get information about the XML interface?

What has changed in THETIS-MRV?

What is planned in the future releases of THETIS-MRV?

This section describes the main content of the future releases of THETIS-MRV. The content and the release dates are indicative and subject to change.

Version 10.4 (planned for December 2025)

- XML upload module enhancement to allow larger number of Voyages/Ports in one file

Version 10.5 (planned for end December 2025)

- Ad-hoc enhancement for reporting the voyages to/from Norway and Iceland (FuelEU)

Version 11.1 (planned for February 2026)

- FuelEU Compliance balance

Version 11.2 (planned for April 2026)

- FuelEU Compliance balance MB, QCL, bulk download
- Various enhancements for MRV/ETS MP, ER, CER

WtT EF in MP

WtT EF depends on the particular production pathway of a Biofuel or RFNBO.

In some cases, Companies cannot indicate the default WtT EF before having a Proof of Sustainability (PoS).

Currently, the WtT is mandatory in the Fuel EU MP.

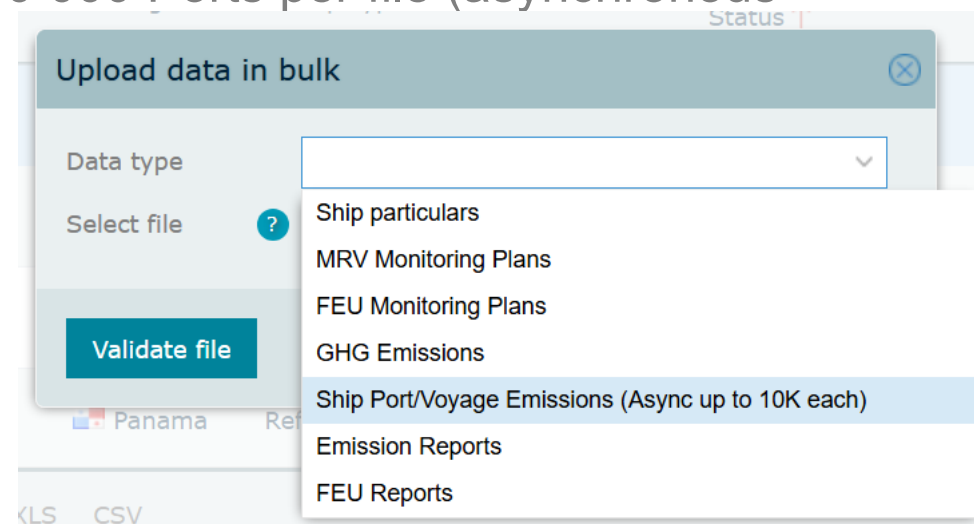
- EMSA will release the new THETIS-MRV version where this field will no longer be required;
- For the time being, we suggest to define it as 0 (zero) in the MP and change it once the Company reports the fuel consumption.

XML Bulk upload

Currently, THETIS-MRV allows to upload files with 40 Voyages + 40 Ports at once.

A user is able to upload a large number of voyages and ports but with several uploads.

- EMSA will release the new THETIS-MRV version where bigger files will be uploaded at once;
- The user will be able to upload up to 10 000 voyages + 10 000 Ports per file (asynchronous upload).



Norway and Iceland solution

Currently, THETIS-MRV considers Norway (NO) and Iceland (IS) as EEA countries since the system is based in the one unique reporting principle.

Until NO and IS have transposed the Fuel EU Regulation into their respective national legal systems, THETIS-MRV will need to consider these 2 countries out of the Fuel EU legal scope, including Port Calls and Voyages to and from these 2 countries.

- EMSA will release the new THETIS-MRV version where the Voyages and Ports reported into NO and IS will be considered as “Non-EEA under FEU” by the system (this will not affect ETS reporting as EEA countries);
- Once NO and IS implement the Fuel EU Regulation into their legislation, the system will be updated accordingly.

Upcoming enhancements



	Reporting period	Departure			Arrival			Through Ice	CO _{2eq} emissions [m tonnes]	Company
		Port / Underway from	EEA Port	ATD / From Date	Port / Underway to	EEA Port	ATA / To Date ↑			
<input type="checkbox"/>	Actions	2025	Oslo	<div>✓ (Non-EEA under FEU)</div>	01-12-2025 02:45	Marseille (GPM)	✓		MRV: 65.102 ETS: 65.102 Fuel EU: 77.5154	MRV/FEU: ROSCO IT

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Total Voyage CO₂ Emissions 0 m tonnes

Voyage

From *

Port

To *

Port

Port of departure *

Port

Underway from port

Underway from EEA port

Underway from Non-EEA port

ATD *

Voyage activity

Regular navigation

Additional notes

Date of record

(Manual entry)

Reporter

Created by

MRV/ETS Company

FEU Company

Save

Reset

Voyage

From *

Underway from port

To *

Port

Port of departure *

Select country of departure

Select port of departure

Port of arrival *

Select country of arrival

Select port of arrival

From Date / Time *

ATA *

Latitude / Longitude (Decimal Degrees) *

Voyage activity

Regular navigation

Norway and Iceland solution – for FEU RP already created

This update will not affect the calculations already done in the system > for the cases where FEU RP is already created, only if the user wishes to update the calculations, they are able to do so.

- The system will update the Voyage and Port emissions in Ship page and FEU RP page but will not change the calculation already done.
- If calculations are to be updated, the user should go to the Totals table under FEU RP tab “Annual Monitoring Results” and click on the EDIT button. A new window with the editable table will be display and the user is able to click on the “Refresh from Ship page” button.

Edit Fuel EU Totals										
Energy consumption	Fuel amount consid... [m tonnes]	Fuel amount [m tonnes]	Electricity amount [MWh]	Energy amount consid... [GJ]	Energy amount [GJ]	WTt CO _{2eq} [m tonnes]	TIW CO _{2eq} [m tonnes]	WTt GHG Intensity [gCO _{2eq} /MJ]	TIW GHG Intensity [gCO _{2eq} /MJ]	GHG Intensity [gCO _{2eq} /MJ]
Total	598.155	1102.25	0	24652.0	45067.9	340.258	1913.32	13.8	77.61	91.41
From Voyages between ports under a MS jurisdiction	44.6	67.91	0	1904.42	2848.48	27.4236	145.436	14.4	76.37	90.77
From Voyages which departed from ports under a MS jurisdiction	396.51	396.51	0	16217.0	16217.0	221.697	1263.12	13.67	77.89	91.56
From Voyages to ports under a MS jurisdiction	124.545	605.33	0	5142.86	24614.6	71.1541	398.786	13.84	77.54	91.38
Occurred within ports under a MS jurisdiction	32.5	32.5	0	1387.75	1387.75	19.9836	105.979	14.4	76.37	90.77
Assigned to outermost regions Art. 2.1 (c)	0	0	0	0	0	0	0	0	0	0
Assigned to Port Calls in national small islands Art. 2.3	0	0	0	0	0	0	0	0	0	0
Assigned to voyages under national small islands Art. 2.3	0	0	0	0	0	0	0	0	0	0
Assigned to Port Calls in national outermost regions Art. 2.4	0	0	0	0	0	0	0	0	0	0
Assigned to voyages under national outermost regions Art. 2.4	0	0	0	0	0	0	0	0	0	0
Assigned to transnational PSC/PSO Art. 2.5	0	0	0	0	0	0	0	0	0	0
Assigned to national PSC/PSO Art. 2.6	0	0	0	0	0	0	0	0	0	0
From RFNBO	0	0		0	0	0	0	0	0	0
Assigned to OPS			0	0						
Assigned to SSE			0	0						
Assigned to ZET			0	0						
Additional energy due to ice conditions				0						
Additional energy due to ice class				0						
<div>Save Refresh from Ship page Close</div>										

Port Codes

The port codes “LOCODES” will be updated to include the missing ports, as requested by users.

This will avoid any errors when uploading the XML files on Voyages and Port records.

Attribution of Companies to Administering States



Foreseen for early January 2026.

EMSA

THETIS-MRV

MY FLEET

MY COMPANIES

CONFIG

SUPPORT

Welcome Jack Mariner

Company, Config Administrator, ver 10.4.0

Menu

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Info

Ship BRAMBLELEAF Verification Report for MRV Emission Report 2024 is Satisfactory. DoC is available for download.

Info

Ship SOUTH MAGIC Verification Report for MRV Emission Report 2023 is Satisfactory. DoC is available for download.

Info

Ship SOUTH MAGIC Verification Report for FEU Report 2025 is Satisfactory

Name

Jack Mariner

Status

Active

City

Luxembourg

Entity

Company

Email

jack.mariner@test.com

Country

Luxembourg

Users

Companies

	IMO number	Name ↑	Country	Established partnerships	Ships in My Fleet		Attributed to
					MRV/ETS	FEU	
Actions	0000102	ABC Shipping	Australia	1	0	0	
Actions	0000120	ABC Ships	Australia	0	0	0	
Actions	0000080	Deepsea tankers	Portugal	2	2	0	ETS: Portugal
Actions	0000001	Oceanix	Belgium	2	1	2	ETS: Belgium FEU: Belgium

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Add Company

Rounding rules

Currently, THETIS-MRV system is already updated for rounding requests done under ETS framework. They are still parameters that need to be enhanced for Fuel EU.

- This will be in place early next year (Q2 2026).

	Unit	To be implemented according to FEU needs
Mass Fuel	m Tonnes	no changes
Volume	m ³	5 decimals
Mass Cargo		no changes
Density	M tonnes/m ³	no changes
Emissions	m Tonnes	no changes
GHG Intensity	gCO ₂ eq/MJ	5 decimals
LCV	MJ/g	5 decimals
EF WtT	gCO ₂ eq/MJ	5 decimals
Cf CO ₂	gGHG/gFuel	no changes
Cf CH ₄	gGHG/gFuel	no changes
Cf N ₂ O	gGHG/gFuel	no changes
Cf slip	Fraction (0..1)	no changes
Slip EF	gGas/ gFuel	no changes
Energy	GJ	5 decimals in MJ, meaning 8 decimals GJ
Electricity	MWh	5 decimals in kWh, meaning 8 decimals MWh
Electricity EF	gCO ₂ eq/kWh	5 decimals
Distance	n mile	5 decimals
Time	hour	no changes
Compliance Balance	gCO ₂ eq	8 decimals for the m tonnes of CO ₂ eq, in order to get 2 decimals for the gCO ₂ eq
GHGIE target	gCO ₂ eq/MJ	5 decimals
GHGIE actual	gCO ₂ eq/MJ	5 decimals
Penalty	€	integer

Ice derogation

Currently, THETIS-MRV system calculates Energy deductions in ice conditions and the additional energy due to ice is estimated considering the additional consumption when in ice navigation.

However, the system considers the whole energy and distance reported, instead of the energy and distance to be considered only under Fuel EU scope, according to ESSF SAPS WS1 experts.

The current calculations are not correct.

- The correct calculations will be in place early next year (Q2 2026).
- The current interim solution is to update the final values in the Totals table of the Fuel EU Report, as previously mentioned,



Thank you!

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