

Extension of the EU ETS to maritime transport

Webinar sessions

Sustainability

22 Sept 2023



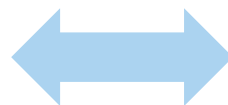
INTRODUCTION

- **New EU legislation and THETIS-MRV**
- **New features and changes from THETIS-MRV users' perspective**
 - THETIS-MRV KEY PLAYERS
 - SHIPPING COMPANY UPDATE
 - MONITORING PLAN
 - EMISSION REPORT (ship level)
 - REPORT AT COMPANY LEVEL
 - ROLE OF ADMINISTERING AUTHORITIES
 - VERIFIER ROLE
 - DOCUMENT of COMPLIANCE
- **KEY MILESTONES and DATES**

NEW EU legislation and THETIS-MRV

MRV Regulation (EU) 2015/757
(Monitoring, Reporting and
Verification)

ETS Directive 2003/87/EC
(Emissions Trading System)



THETIS-MRV IT TOOL

The screenshot shows the homepage of the THETIS-MRV IT TOOL. The browser address bar displays <https://mrv.emsa.europa.eu/>. The navigation menu includes 'EMSA THETIS-MRV', 'Login', 'EU MRV', 'CO₂ EMISSION REPORT', 'REGISTER', and 'FAQ'. The main content area features a welcome message and instructions on how to access the system, listing roles such as Company, Verifier, and Flag state. At the bottom, there are two main sections: 'I am a registered user' with a 'Login' button and links for 'I have forgotten my password' and 'I have forgotten my username'; and 'Not a registered user' with a 'Register Now' button.

**New Release
in progress**

UNION
REGISTRY
IT TOOL

THETIS-MRV KEY PLAYERS

SHIPPING COMPANIES

Note:

- Registered Owner
- ISM Company

CHANGE

ADMINISTERING AUTHORITIES (AA)

Note:

- authority responsible for administering the EU ETS in respect of a shipping company

NEW

VERIFIERS

Note:

- same role
- new verifications

CHANGE

SHIPPING COMPANIES UPDATE

SHIPPING COMPANIES

- Registered Owner
- ISM Company

CHANGE

Actions

- Companies need to agree on the responsible entity for both ETS and MRV obligations
- If a Shipowner decides to delegate the responsibility to an **ISM Company**, need for a mandate
- Ship's Effective Date, the date since the ship has been under the company's responsibility

EMSA THETIS-MRV MY FLEET CONFIG SUPPORT

Company

Company * 1233761 - Sagres Shipping

Ship in Company effect date * 01-07-2022

Nature ISM Company

Number	Name	Sagres Shipping	Principal place of business	Europe
Address	City	Lisboa	Country	Portugal

Contact Person

Name	Title	Job Title	
Address	Email	Telephone	123456789

Save Reset Close

Ship in Company effect date 01-07-2022

Contact Person

SHIPPING COMPANY OBLIGATIONS

EU MRV Regulation

CHANGE

MONITORING PLAN (MP)

Upcoming template

- mandatory to submit to the Administering Authority, after being assessed by the Verifier, and before 1 April 2024
- MP to be filled in and submitted through THETIS-MRV platform*

EU MRV Regulation

CHANGE

EMISSION REPORT (ER) (Ship level)

Upcoming template

Note:

- GHG emissions at ship level
- Calculations, methods to be published (EU) MRV Regulation - Annex I & II (revised)

EU MRV Regulation , and ETS Directive

NEW

REPORT AT COMPANY LEVEL (fleet level)

Upcoming template

Note:

- ETS relevant GHG emissions at company level
- Calculations, methods to be published (EU) MRV Regulation - Annex I & II (revised)

next

ROLE OF ADMINISTERING AUTHORITIES

SHIPPING
COMPANIES

ADMINISTERING
AUTHORITIES (AA)

Note:

- authority responsible for administering the EU ETS in respect of a shipping company;

VERIFIERS

NEW

Role

- **Approve the Ship Monitoring Plan**, after satisfactory assessment made by an accredited verifier.
- Receive **the Ship Emission Report**, after verification by an accredited verifier.
- Receive **the report at company level**, after verification by an accredited verifier.
- Ensure **overall company compliance** with MRV and ETS obligations.

Extension of the EU ETS to maritime transport

ADMINISTERING AUTHORITY ATTRIBUTION

NEW

ADMINISTERING AUTHORITY

Attribution

SHIPPING COMPANIES

HOW ?

Companies Registered at THETIS-MRV:

- a) EEA company -> the EEA Member State where the company is registered
- b) Non-EEA company -> the EEA Member State where there is the greatest number of port calls (last 4 preceding years)
- c) Non-EEA company and newcomer – EEA Member State of the first port call

WHEN ?

- By 1 February 2024, the Commission will publish the first **attribution list**
- If not on the list (e.g. new company), the shipping company will have to register at THETIS-MRV, assign ships, and request for the Attribution
- Then, every two years a new list is published

The screenshot shows the THETIS-MRV system interface. At the top, there is a navigation bar with 'EMSA THETIS-MRV', 'MY FLEET', 'CONFIG', and 'SUPPORT' options. A user profile for Ricardo Centeno is displayed, showing his status as 'Active', city as 'Lisbon', and country as 'Portugal'. Below this, there are tabs for 'Users', 'Companies', 'Verifiers', 'States', 'Flag', and 'System configuration'. The 'Companies' tab is active, showing a table of registered shipping companies. The table has columns for 'Number', 'Name', 'Nature', 'Country', 'Established partnersh...', 'Ships in myFleet', 'Registered by', and 'Attributed to'. An arrow points from the 'Attribution' text in the diagram to the 'Attributed to' column in the table.

Number	Name	Nature	Country	Established partnersh...	Ships in myFleet	Registered by	Attributed to
5605150	MADOR GE...	Manager	Turkey	3	11	ali...	Spain
12120	ART	Manager	Greece	1	1	Nik...	Greece
1446275	S AASEN BU...	Shipowner	Norway	0	0	Tor...	
10013	SAHI SHIPPI...	Manager	Japan	1	15	Asa...	Netherlands
	SCO TANKERS	Manager	Turkey	1	3	Has...	Romania
510818	SIA PACIFIC...	Manager	Singapore	1	6	PHA...	Spain


example

next

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MONITORING PLAN (MP)

SAME PRINCIPLE, new features

- MP must be done and submitted only through THETIS-MRV 
- Ships with MP already on THETIS-MRV can be updated, adding only the new data

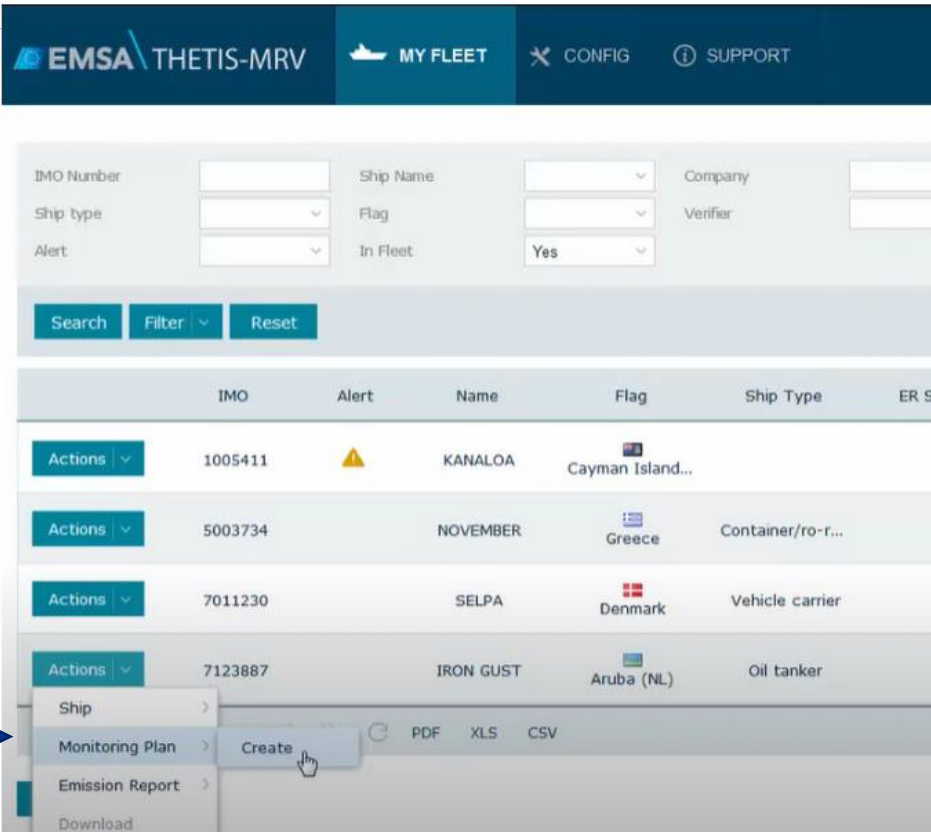
MP – Template Annex I - EU 2016/1927

Added requirements and new Tables:

- ship sub-types
- emission sources types, and class
- fuel types,
- emission factors
- slippage coefficient, per emission source
- carbon capture and storage technologies
- procedures for data flow activities
- procedures for risk assessment

Note: 6 new tables out of 40

reminder



The screenshot shows the THETIS-MRV web interface. At the top, there is a navigation bar with the EMSA logo, 'THETIS-MRV', and links for 'MY FLEET', 'CONFIG', and 'SUPPORT'. Below the navigation bar is a search form with fields for 'IMO Number', 'Ship Name', 'Company', 'Ship type', 'Flag', 'Verfier', 'Alert', and 'In Fleet'. There are 'Search', 'Filter', and 'Reset' buttons. Below the search form is a table with columns: 'IMO', 'Alert', 'Name', 'Flag', 'Ship Type', and 'ER St'. The table contains four rows of ship data. For the first row, the 'Alert' column has a yellow warning triangle icon. A dropdown menu is open for the 'Monitoring Plan' column, showing options: 'Ship', 'Monitoring Plan', 'Emission Report', and 'Download'. The 'Monitoring Plan' option is selected, and a sub-menu is open with 'Create' highlighted. Other options in the sub-menu include 'PDF', 'XLS', and 'CSV'.

EMISSION REPORT (ship level)



SAME
PRINCIPLE,
new features

EMISSION REPORT – Template Annex II

Added requirements and new PART:

Part A - Ship and company data identification

Part B - Verification

- indication of National Accreditation Body

Part C⁽¹⁾ – Information on the monitoring method

Part D⁽¹⁾ – Results from annual monitoring

- CH₄ and N₂O, and the GHG emissions expressed in tonnes CO₂ equivalent
- energy efficiency indicator, consumption/ emission per time at sea

PART E⁽²⁾ - Results from annual monitoring to follow ETS Directive

- determination of GHG emissions, and emissions derogation conditions:
 - Biomass, RFNBO and RCF
 - Voyage geographical scope
 - CCS/CCU
 - Small islands, outermost regions, public service
 - Ice class
 - Phase-in



New
Part E

⁽¹⁾ methods and calculations as per MRV (EU) Annex I

⁽²⁾ as per MRV (EU) Annex II

REPORT AT COMPANY LEVEL (fleet level)



REPORT AT COMPANY LEVEL – new template to be adopted

Part A – *Data identifying the company and the ships*

- list of the ships, which are under the responsibility of the company

Part B – *Verifier data*

Part C – *Aggregated emissions data at company level*

- sum of all ships' total aggregated emissions of GHG to be reported under ETS Directive
- results for the purpose of submission to the Union Registry

Part D – *Methodology used by the company to aggregate emissions data at company level*

Reporting obligation if a ship change company

CASE

EU MRV Regulation

Ship with Company A

CHANGE
on e.g.
1 March 2024

Ship change to Company B

Obligations

Obligations

EU MRV Regulation

Partial Emission Report:

- Period? Emissions from 1 Jan to 1 March
- When? to be submitted as soon as possible to all relevant authorities, to Company B, and no later than 3 months after the change, also, release ship from THETIS-MRV

Report at Company Level:

- Allowances period? Emissions from 1 Jan to 1 March for this ship
- to be submitted to the Administering Authority by 31 March of the year after*

ETS

Emission Report:

- Period? Emissions from 1 Jan to 31 December
- When? By 31 March of the year after *

Report at Company Level :

- Allowances Period? Emissions from 1 March to 31 December for this ship
- to be submitted to the Administering Authority by 31 March of the year after*

next

ROLE OF VERIFIERS

SHIPPING
COMPANIES

ADMINISTERING
AUTHORITIES (AA)

VERIFIERS

- same role
- new verifications

CHANGE

Role

VERIFIERS

VERIFIER Tasks

- Assessment of ship Monitoring Plan (MP) submitted by the shipping companies
 - MP changes, shall be re-assessed and re-submitted to Administering Authorities
- Assessment of the conformity of ship emission reports (ER), acc to 2016/1927 Annex II
- Verification of emission reports (ER)
- Verification of partial emission reports
 - Where there is a change of company, the verifier at the end of the year should not verify again the partial emission report at ship level
- Verification of reports at company level

Verifiers must follow amended Regulation EU 2016/2072 and be accredited by a National Accreditation Body pursuant to Regulation EC No. 765/2008

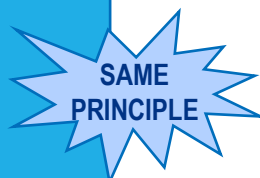


**SAME
PRINCIPLE**

DOCUMENT of COMPLIANCE

To be amended MRV IR (EU) 2016/1927 Annex III

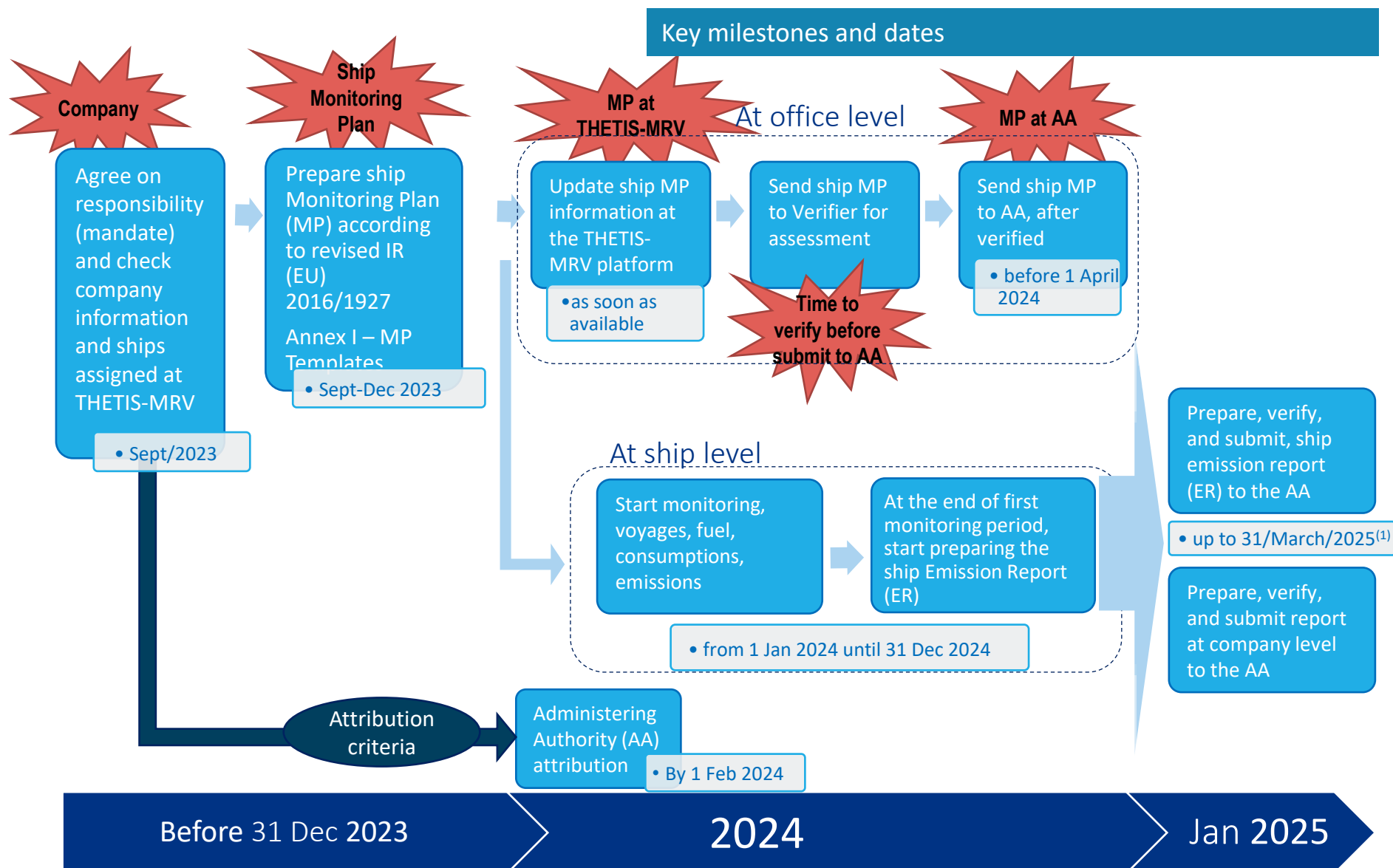
DOCUMENT of COMPLIANCE –
Revised Implementing Regulation
(EU) 2016/1927 Annex III



Note:

- Same general information
- Issued only after the full year annual ship emission report, and not with any partial emission report

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⁽¹⁾ or earlier, but not earlier than by 28 February



THANK YOU