

Preparing for FuelEU Maritime Regulation

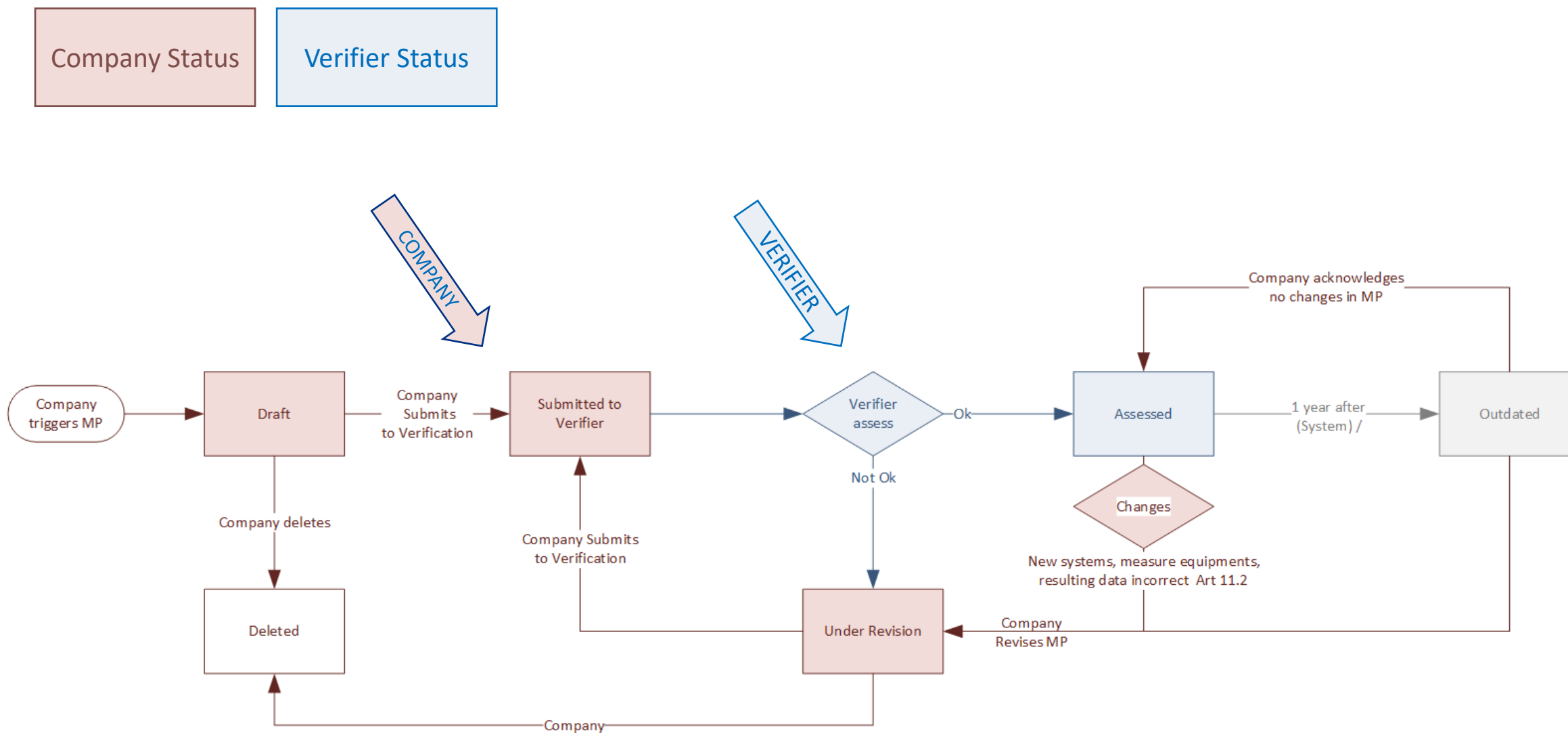
Monitoring Plan

FuelEU Project Team

Lisbon, 04 June 2024

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- **Monitoring Plan Content**
- **FuelEU MP in THETIS-MRV**

FEU MP Workflow



Monitoring Plan Template

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THETIS-MRV

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SUPPORT

Welcome Jack Mariner
Company, Config Administrator, ver 6.2

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New tables for all ships

New tables for all ships

Table B.9 Emission Factors

Procedures for monitoring and reporting the well-to-tank and tank-to-wake emission factors of energy to be used on-board, in accordance with the methods specified in Article 9 and Annexes I and II of FEUM

Title of procedure	Monitoring and reporting the well-to tank and tank-to-wake emission factors of energy to be used on-board
Reference to existing procedure	
Version of existing procedure	
Description of procedure (A brief description of the procedure can be provided if already existing outside the monitoring plan)	
Name of person or position responsible for this procedure	
Location where records are kept	
Name of IT system used (where applicable)	

Table E.5 Internal reviews

Internal reviews and validation of relevant data

Title of procedure	Internal reviews and validation of FuelEU relevant data
Reference to existing procedure	
Version of existing procedure	
Description of procedure (A brief description of the procedure can be provided if already existing outside the monitoring plan)	
Name of person or position responsible for this procedure	
Location where records are kept	
Name of IT system used (where applicable)	

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New tables related to OPS

New tables related to OPS

Table B.4 OPS Equipment

Equipment to allow connection to on-shore power supply (only mandatory for container ships and passenger ships)

	OPS equipment reference no. ↑↓	OPS equipment (name, type) ↑↓	Technical description of OPS equipment specified voltage and frequency, including the gear specified in IEC/IEEE 80005-1 (High Voltage) and IEC/IEEE 80005-3 (Low Voltage) and position onboard	Standards ↑↓
Actions				
Actions				
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Table B.5 ZET Equipment

Zero-emission technology (only mandatory for container ships and passenger ships)

	Zero-emission technology reference no. ↑↓	Zero-emission technology (name, type) ↑↓	Technical description of zero-emission technology
Actions	1		
Actions	2		
<< < page 1 of 1 > >> PDF XLS CSV			

Table B.6 Power demand at berth

Power demand at berth

Established total electrical power demand of the ship at berth (Kw)	Data Source

New tables related to OPS

Table B.8 Completeness of OPS and ZET Systems

Procedures, systems and responsibilities used to update the completeness of the list of fuel consumers, OPS equipment, zero-emission technology and WASP

Title of procedure	Managing the completeness of the list of Fuel Consumers, OPS equipment, zero-emission technology and WASP
Reference to existing procedure	
Version of existing procedure	
Description of procedure (A brief description of the procedure can be provided if already existing outside the monitoring plan)	
Name of person or position responsible for this procedure	
Location where records are kept	
Name of IT system used (where applicable)	

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New tables related to OPS

New tables related to OPS

Table C.1.6 Monitoring energy from OPS

Procedures for monitoring energy provided by on-shore power supply (OPS)

Title of procedure	Monitoring energy provided by on-shore power supply (OPS)
Reference to existing procedure	
Version of existing procedure	
Description of procedure (A brief description of the procedure can be provided if already existing outside the monitoring plan)	
Name of person or position responsible for this procedure	
Location where records are kept	
Name of IT system used (where applicable)	

Table C.1.7 Monitoring energy from ZET

Procedures for monitoring energy provided by zero-emission technology

Title of procedure	Monitoring energy provided by zero-emission technology
Reference to existing procedure	
Version of existing procedure	
Description of procedure (A brief description of the procedure can be provided if already existing outside the monitoring plan)	
Name of person or position responsible for this procedure	
Location where records are kept	
Name of IT system used (where applicable)	

New tables related to OPS

Table D.2 Data gaps for energy consumption from OPS and ZET

Methods to be used to estimate energy consumption from OPS and ZET

Title of method	Method to be used to estimate energy consumption
Back-up monitoring method	
Formulae used	
Description of method to estimate energy consumption	
Name of person or position responsible for this method	
Data sources	
Location where records are kept	
Name of IT system used (where applicable)	

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New tables related to OPS
(Time at Berth)

New tables related to OPS (Time at Berth)

Table C.3.4 Procedures for time at anchorage / quayside

Procedures for determining and recording the time spent at sea and at berth

Title of procedure	Determining and recording the time spent at sea from berth of port of departure to berth of the port of arrival, and time spent at berth (quayside and anchorage)
Reference to existing procedure	
Version of existing procedure	
Description of procedure (A brief description of the procedure can be provided if already existing outside the monitoring plan)	
Name of person or position responsible for this procedure	
Location where records are kept	
Name of IT system used (where applicable)	

Table D.5 Data gaps for time at anchorage / quayside

Methods to be used to treat data gaps regarding time spent at sea and time spent at berth (quayside and anchorage)

Title of procedure	Method to treat data gaps regarding time spent at sea and time spent at berth (quayside and anchorage)
Formulae used	
Description of method to treat data gaps	
Name of person or position responsible for this method	
Data sources	
Location where records are kept	
Name of IT system used (where applicable)	

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New tables related to WASP

New tables related to WASP

Table B.7 WASP

Description of Wind Assisted Propulsion equipment (WASP)

	WAPS reference no. ↑↓	WASP (name, type) ↑↓	Technical description of WASP equipment	Pwind ↑↓	Pprop ↑↓
Actions	1				
Actions	2				
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New tables related to Sailing in Ice

New tables related to sailing in ice

Table C.1.8 Monitoring fuel consumption when sailing in ice

Procedures for monitoring Fuel consumption of each fuel consumer when sailing in ice conditions

Title of procedure	Monitoring fuel consumption of each fuel consumer when sailing in ice conditions
Reference to existing procedure	
Version of existing procedure	
Description of procedure (A brief description of the procedure can be provided if already existing outside the monitoring plan)	
Name of person or position responsible for this procedure	
Location where records are kept	
Name of IT system used (where applicable)	

Table C.3.3 Procedures for monitoring navigation data when sailing in ice

Procedures for determining and recording the date, time and position when entering and leaving the ice conditions, the distance travelled when sailing in ice conditions

Title of procedure	Determining and recording the distance travelled when sailing in ice conditions
Reference to existing procedure	
Version of existing procedure	
Description of procedure (A brief description of the procedure can be provided if already existing outside the monitoring plan)	
Name of person or position responsible for this procedure	
Location where records are kept	
Name of IT system used (where applicable)	

New tables related to sailing in ice

Table D.4 Data gaps regarding navigation data related to sailing in ice


Methods to be used to treat data gaps regarding the date, time and position when entering the ice conditions, the distance travelled when sailing in ice conditions

Title of procedure	Method to treat data gaps regarding time spent at sea and time spent at berth (quayside and anchorage)
Formulae used	
Description of method to treat data gaps	
Name of person or position responsible for this method	
Data sources	
Location where records are kept	
Name of IT system used (where applicable)	

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Ship type	Ro-pax ship

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Table E.5



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