

Compliance Balance Module

FuelEU Maritime

Unit 3.2 Maritime Digital Solutions

24 June 2025

1. Workflow
2. Initial and Adjusted Compliance Balance
3. Mock-ups for the Flexibility Mechanism: request for Borrowing or Pooling
4. Verified Compliance Balance and request for Banking
5. Penalties tab: Administering State (AS) will be able to confirm the amount of penalties to be paid.
6. Issuance of CB Report and Document of Compliance by the system

FuelEU coming versions

1. Fuel EU Report (FEU RP) - Verified as Satisfactory
2. Initial Compliance Balance (ICB) generated in Fuel EU Report Module

June 2025

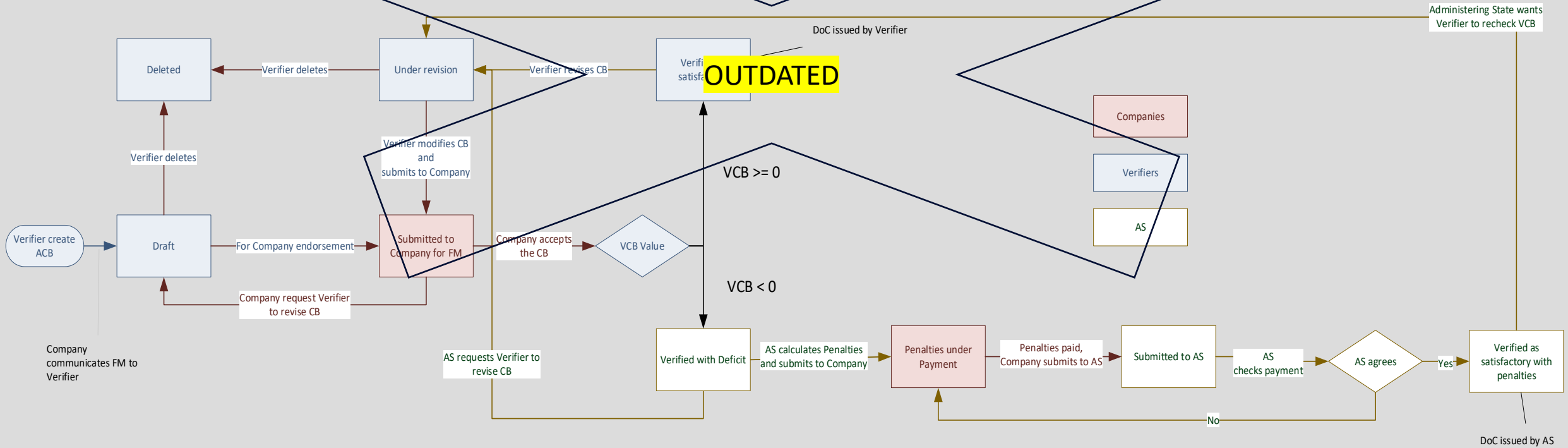


3. Compliance Balance Module »
Adjusted Compliance Balance (ACB) = ICB +/- residuals previous period
4. Flexibility Mechanism
5. Verified Compliance Balance (positive or negative)
6. Payment of Penalties (when due)
7. Document of Compliance issuance

Next release

- The exchanges linked to the FM will be done outside of the system.
- The Company communicates FM decisions/choices to Verifier that updates the information in the system and records the VCB of the ship.

Compliance balance Status Diagram



My Compliance Balances



Search Form

My Fleet My Companies **My Compliance Balances** Config Support

Message board

Archive

IMO Number Ship Name
 Reporting Period FM type
 FEU Company FEU Verifier CB Status Penalty
 Alert In Fleet

	IMO ↑↓	Name ↑↓	Reporting Period ↑↓	CB status	Reporting period GHG Intensity [gCO2eq/MJ] ↑↓	Full RP Initial CB [m tonnes] ↑↓	Previous RP amount [m tonnes] ↑↓	RP Adjusted CB [m tonnes] ↑↓	FM amount [m tonnes] ↑↓	Full RP Verified CB [m tonnes] ↑↓	Penalty [€] ↑↓	FEU Verifier ↑↓	FEU Company ↑↓
<input type="button" value="Actions"/> <input type="button" value="Edit"/>	8654823	ALASKA	2025	Verified as satisfactory	91.10	-962.32	0.00	-962.32	+ 962,32 (Borrowing)	0.00	€ -	CPE Veritas	MMD Trading Corporation
<input type="button" value="Actions"/> <input type="button" value="Download"/>	8654824	ALASKA	2026	Verified as satisfactory	86.10	1766.58	-1058.55 (Borrowing)	708.03	708,03 (Banking)	708.03	€ -	CPE Veritas	MMD Trading Corporation
<input type="button" value="Actions"/>	5422445	CAPTAIN BOSH	2025	Verified as satisfactory with penalties	90.09	-411.08	0.00	-411.08	0,00	-411.08	€ 262,031	Mar Service	New Company
<input type="button" value="Actions"/>	8454654	ALPACA	2025	Verified as satisfactory	91.61	-1240.67	0.00	-1240.67	1240.67 (pool)	0.00	€ -	Mar Service	Delmar
<input type="button" value="Actions"/>	5456873	ROGER RABIT	2025	Verified as satisfactory	81.70	4167.90	0.00	4167.90	- 877,00 (Pooling) + 0.00 (Banking)	3290.90	€ -	Sea Verifiers	Naval Shipping
<input type="button" value="Actions"/>	5456874	ROGER RABIT	2026	Verified as satisfactory	75.78	7398.82	877 (Banked surplus)	8275.82	- 3167,90 (Pooling) + 5000.00 (Banking)	5107.92	€ -	New verifier	Delmar

Compliance Balance Report





My Fleet My Companies My Compliance Balances **Config** Support

Message board

MyCB **CB Report** OPS Port calls Additional checks Delete Submit to Company for FM Accept FM Revise CB Submit penalties to Company Submit payment to AS Verified by AS Download

Data history

IMO	8145965	Name	SEA GLORY	FEU Company	JD Trading Corporation	CB status	Verifid as Satisfactory	AS 
Ship type	Container/ Ro-Ro cargo ship	Flag	 Panama	Verifier	CPE Veritas Portugal	Reporting Period	2025	

CB Report Particulars Ship, Company, Verifiers and AS details **Compliance Balance** Borrowing Pooling Banking Penalties Non-compliant port calls Compliance Balance Report Revision Document of Compliance

Compliance Balance Report



Compliance Balance

Adjusted Compliance Balance

GHG intensity of the energy used [gCO2eq/MJ]	00.00
Amount energy used excluding OPS	0000.00
Amount energy used from RFNBO	0000.00
Amount of energy from OPS	00
Amount of energy used from SSE	00

Initial Compliance Balance [m tonnes CO2eq]	0000.00
Previous VP Banked Surplus compliance [m tonnes CO2eq]	00000.00
Previous VP Advance compliance surplus incl. aggravation [m tonnes CO2eq]	0000.00
Adjusted Compliance Balance [m tonnes CO2eq]	0000.00
Advance Compliance Balance Surplus limit [m tonnes CO2eq]	
Number of consecutive years with FuelEU Penalty for CB	0
Number of non-compliant Port Calls	

Request Flexibility Mechanism

Request for Borrowing
Request for Pooling
No Request

Verified Compliance Balance

Verified Compliance Balance [m tonnes CO2eq]	0000.00	Current VP Banked Surplus compliance [m tonnes CO2eq]	00000.00
Current VP Pooled amount of compliance [m tonnes CO2eq]	00000.00	Current VP Advance compliance surplus [m tonnes CO2eq]	0000.00

Edit

Request for Banking

Banking
No Banking

Compliance Balance Report

Adjusted Compliance Balance

Borrowing

Compliance Balance [m tonnes CO2eq]

-600.00

Borrowing




Advance compliance Surplus [m tonnes CO2eq]

600.00

Advance compliance surplus incl. aggravation [m tonnes CO2eq]

-660.00

Request Borrowing ?

Year N	Year N	Year N+1
		
$CB = (A) < 0$	$CB + (A) = 0$	$CB - 1,1x(A) \geq 0$
Deficit = (A) Ship non-compliant	Advance compliance surplus = (A)	Aggravated

Compliance Balance Report



Compliance Balance

Adjusted Compliance Balance

GHG intensity of the energy used [gCO ₂ eq/MJ]	00.00
Amount energy used excluding OPS	0000.00
Amount energy used from RFNBO	0000.00
Amount of energy from OPS	00
Amount of energy used from SSE	00

Initial Compliance Balance [m tonnes CO ₂ eq]	0000.00
Previous VP Banked Surplus compliance [m tonnes CO ₂ eq]	00000.00
Previous VP Advance compliance surplus incl. aggravation [m tonnes CO ₂ eq]	0000.00
Adjusted Compliance Balance [m tonnes CO ₂ eq]	0000.00
Advance Compliance Balance Surplus limit [m tonnes CO ₂ eq]	
Number of consecutive years with FuelEU Penalty for CB	0
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Request Flexibility Mechanism

- Request for Borrowing
- Request for Pooling
- No Request

Verified Compliance Balance

Verified Compliance Balance [m tonnes CO ₂ eq]	0000.00
Current VP Pooled amount of compliance [m tonnes CO ₂ eq]	00000.00

Current VP Banked Surplus compliance [m tonnes CO ₂ eq]	00000.00
Current VP Advance compliance surplus [m tonnes CO ₂ eq]	0000.00

Edit

Request for Banking

- Banking
- No Banking

Compliance Balance Report

Adjusted Compliance Balance



Received 2050.23 ton CO2eq

Received 1240.67 ton CO2eq

Given – 3290.90 tons CO2eq

Pool

- Create pool
- Request approval
- Revise Pool
- Delete pool
- Approve Pool
- Disapprove Pool
- Download Pool

Creation date 03/04/2026 14:34 Pool Verifier Ocean Verifier Pool status Draft

- Possible status:
- Not created
 - Draft
 - Approval requested
 - Approved by all Verifiers

	IMO ↑↓	Name ↑↓	Flag ↑↓	CB Status ↑↓	Compliance Balance before Pool [m tonnes] ↑↓	Allocation of Compliance Balance [m tonnes] ↑↓	Compliance Balance after Pool [m tonnes]	FEU Verifier ↑↓	FEU Company ↑↓
Actions Remove ship	5224823	PIRINEU		Draft	-950.23	2050.23	1100	CPE Veritas	MMD Trading Corporation
Actions	8454654	ALPACA		Draft	-1240.67	1240.67	0	Mar Service	New Company
Actions	5422446	ROGER RABIT		Under revision	4167.9	-3290.90	877.00	Sea Verifiers	Naval Shipping

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Total Compliance Balance of the Pool [m tonnes] 1977,00

- Add ship
- Upload data in bulk

Compliance Balance Report



Compliance Balance

Adjusted Compliance Balance

GHG intensity of the energy used [gCO2eq/MJ]	00.00
Amount energy used excluding OPS	0000.00
Amount energy used from RFNBO	0000.00
Amount of energy from OPS	00
Amount of energy used from SSE	00

Initial Compliance Balance [m tonnes CO2eq]	0000.00
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Previous VP Advance compliance surplus incl. aggravation [m tonnes CO2eq]	0000.00
Adjusted Compliance Balance [m tonnes CO2eq]	0000.00
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Number of consecutive years with FuelEU Penalty for CB	0
Number of non-compliant Port Calls	

Request Flexibility Mechanism

Request for Borrowing
Request for Pooling
No Request

Verified Compliance Balance

Verified Compliance Balance [m tonnes CO2eq]	0000.00
Current VP Pooled amount of compliance [m tonnes CO2eq]	00000.00

Current VP Banked Surplus compliance [m tonnes CO2eq]	00000.00
Current VP Advance compliance surplus [m tonnes CO2eq]	0000.00

Edit

Request for Banking

Banking
No Banking

Compliance Balance Report



Compliance Balance

Adjusted Compliance Balance

GHG intensity of the energy used [gCO ₂ eq/MJ]	00.00
Amount energy used excluding OPS	0000.00
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Amount of energy from OPS	00
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Verified Compliance Balance

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Current VP Pooled amount of compliance [m tonnes CO ₂ eq]	00000.00	Current VP Advance compliance surplus [m tonnes CO ₂ eq]	0000.00

Edit

If positive, Company may bank the positive amount

Request for Banking

- Banking
- No Banking

Compliance Balance Report

Verified Compliance Balance



My Fleet My Companies My Compliance Balances **Config** Support

Message board

MyCB **CB Report** OPS Port calls Additional checks Delete Submit to Company for FM Accept FM Revise CB Submit penalties to Company Submit payment to AS Verified by AS Download Data history

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CB Report Particulars Ship, Company, Verifiers and AS details Compliance Balance Borrowing Pooling **Banking** Penalties Non-compliant port calls Compliance Balance Report Revision Document of Compliance

Compliance Balance [m tonnes CO2eq] 7669.00

Banking

Banking Surplus compliance [m tonnes CO2eq] 5000.00

Save Reset

Compliance Balance Report



Compliance Balance

Adjusted Compliance Balance

GHG intensity of the energy used [gCO2eq/MJ]	00.00
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Amount energy used from RFNBO	0000.00
Amount of energy from OPS	00
Amount of energy used from SSE	00

Initial Compliance Balance [m tonnes CO2eq]	0000.00
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Request Flexibility Mechanism

- Request for Borrowing
- Request for Pooling
- No Request

Verified Compliance Balance

Verified Compliance Balance [m tonnes CO2eq]	0000.00	Current VP Banked Surplus compliance [m tonnes CO2eq]	00000.00
Current VP Pooled amount of compliance [m tonnes CO2eq]	00000.00	Current VP Advance compliance surplus [m tonnes CO2eq]	0000.00

Edit

Request for Banking

If negative, the Verified CB goes to the Administering State associated for the calculation of the Penalties

Compliance Balance Report Penalties



If negative, the Verified CB goes to the Administering State associated for the calculation of the Penalties

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Compliance Balance Penalty

GHG intensity of the energy used [gCO2eq/MJ]	00.00	Compliance Balance [m tonnes CO2eq]	0000.00
Compliance balance Penalty [€]	0000.00	Number of consecutive years with FuelEU Penalty for CB	0

OPS Penalty

Total number of hours at berth in non-compliance	0000.00	Number of non-compliant Port Calls	00
OPS Penalty [€]	0000.00		

Download CB/OPS Penalty doc

Comments / instructions payment

Proof of payment

Upload document

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Supporting documents generated by the system:

- Penalty document
- Compliance Balance Report

But also, the legally binding document: Document of Compliance



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 **EMSA**
European Maritime Safety Agency