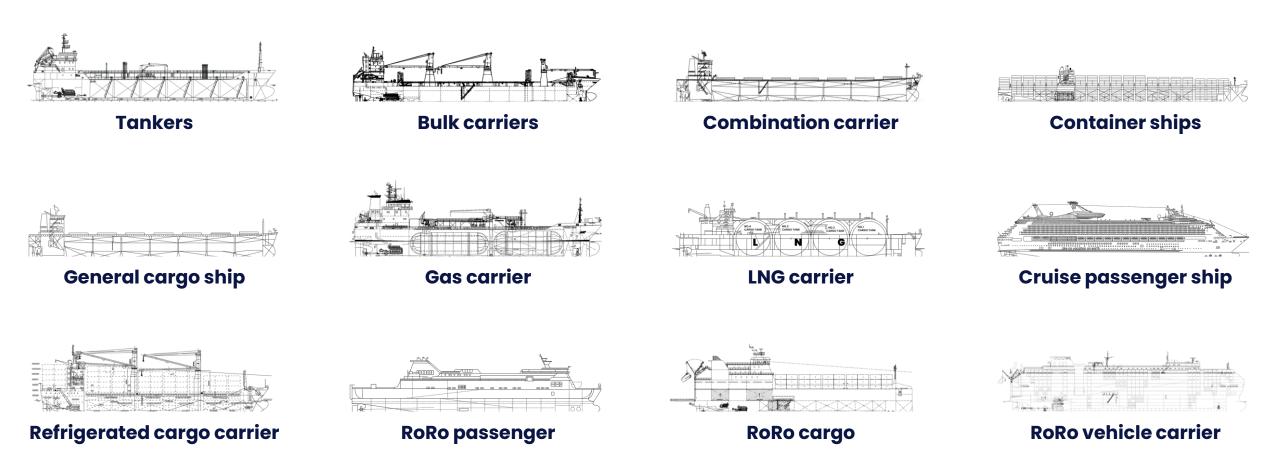
## **Carbon Intensity Indicator (simplified)**



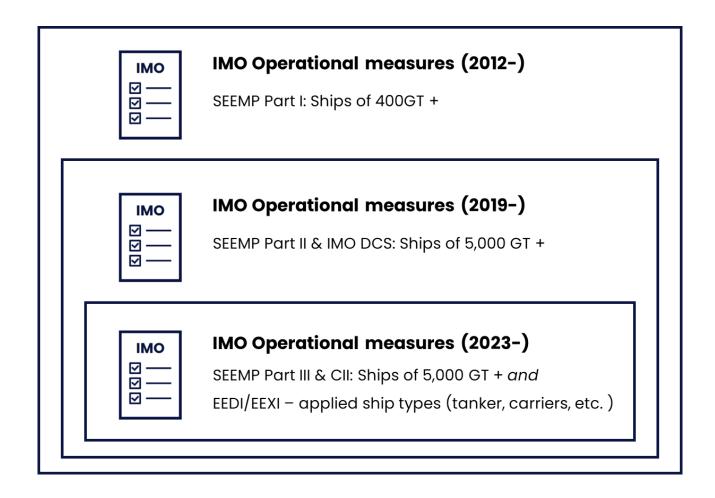
# **Applies to...**



# **Process of CII** SOC Compliance Capacity Fuel Distance Store SOC onboard **SEEMP III** Corrective **IMO DCS** Update **Actions** Non-compliance D Write Correction Plan П

SEEMP III is to be updated with a Fuel Data Collection Plan every 3 years, data reported into IMO DCS every year Results are verified by Recognized Organization (RO), resulting in Statement of Compliance (SOC) after approval

#### Relation to SEEMP and IMO DCS



### CII Calculation in 3 steps

Step 1 - Calculate CII Attained			
Ship type	Bulk Carrier		
GT	34,515		
Deadweight	61,215	[mT]	
Distance sailed	93,960	[nm/year]	CU CO <sub>2</sub> emissions
Fuel consumption	8,500	[mT / year]	$-CII_{Attained} = \frac{CO_2emissions}{Deadweight or GT \cdot Distance Travelled}$
Fuel type	HFO		
Emission factor	3.114	[mT/mT]	
CO <sub>2</sub> emissions	26,469,000,000	[g/year]	
CII Attained	4.60	[g/mT nm]	

Step 2 - Calculated CII Reference				
а	4,745			
С	0.622		a	
Capacity	61,215	Deadweight	$CII_{Reference} = a \cdot Capacity^{-c}$	
CII Reference	5.00			

Step 3 - Calculate CII Rating			
Reduction (R)	11%	2026 as reference	100 -R CV
CII Required	4.45		$CII_{Required} = \frac{100 - R}{100} \cdot CII_{Reference}$
Attained / Required	1.03		$CII_{Pating} = \frac{CII_{Attained}}{CII_{Pating}}$
CII Rating	С		$CII_{Rating} = \frac{GII_{Ratinea}}{CII_{Required}}$

### From number to letter

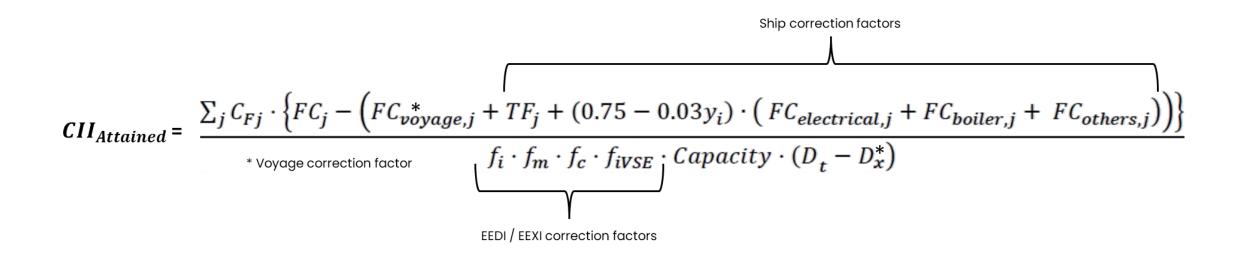
if	then	explanation
CII Rating < d1	А	If CII Rating (number) is under d1 value, CII rating (letter) is A
CII Rating < d2	В	If CII Rating (number) is under d2 value and above d1, CII rating (letter) is B
CII Rating < d3	С	If CII Rating (number) is under d3 value and above d2, CII rating (letter) is C
CII Rating < d4	D	If CII Rating (number) is under d4 value and above d3, CII rating (letter) is D
CII Rating > d4	Е	If CII Rating (number) is above d4 value, CII rating (letter) is E

CII Number	CII Letter	Bulk carrier example
1.03	С	The calculated CII rating is 1.03, below d3 for a bulk carrier, resulting in a C

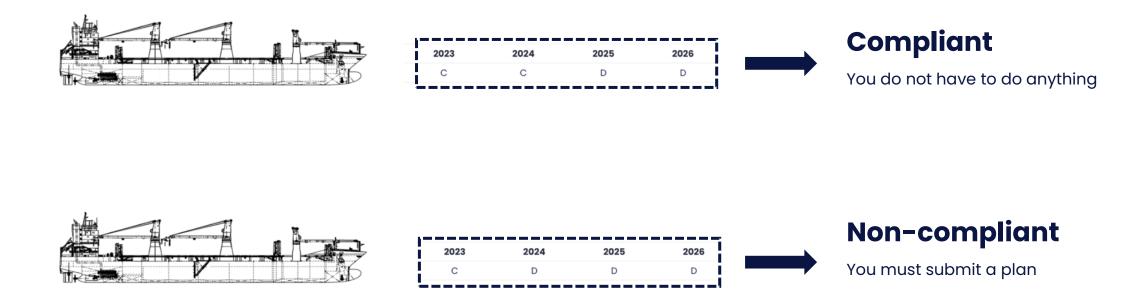
Your rating – the letter ranging from A to E – is determined using 'd-values' that are fixed values for ship types

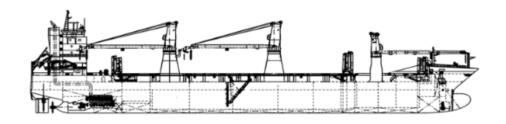
If you receive a D-rating for three consecutive years, or an E-rating for a single year, you are non-compliant

### **Correction factors**



## **CII Rating and result**







2023	2024	2025	2026
С	С	С	С

Ship main type	Bulk Carrier  v
Ship type	General Bulk Carrier ~
Fuel type	HFO ~
GT	34,515
Deadweight	61,000 mT
Distance sailed	93,960 nm per year
Fuel consumption	8,500 mt per year

You are compliant to CII. Change the parameters to see how it impacts your rating or ask the Regulator AI for more clarifications.

Ask Regulator Al