WHEN TRUST MATTERS





## EEXI and CII

Regulatory Framework to Reduce Carbon Emission

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## GHG industry framework



### The IMO has set its ambitions...

...however Financial Institutions, Cargo owners and Charters are increasing their influence...



### The IMO ambitions

## IMO

### Vision:

 "IMO remains committed to reducing GHG emissions from international shipping and, as a matter of urgency, aims to phase them out as soon as possible in this century"

### Ambitions:

- Reduce the average carbon intensity (CO2 emissions per transport work) by 40% in 2030 and 70% in 2050 compared to 2008.
- Reduce total GHG emissions from shipping by at least 50% in 2050 compared to 2008

#### Units: GHG emissions



Total: Refers to the absolute amount of GHG emissions from international shipping. Intensity: Carbon dioxide  $(CO_2)$  emitted per tonne-mile.

### The regulatory framework to reduce GHG emissions



Other regulatory bodies, like the EU, will likely set additional requirements. Hence, this is not the end of the story...

### .... but there is more to come





## The regulations explained



### It starts with DCS data (EU MRV)



IMO DCS CII EEXI

SEEMP

**Design** measures to reduce CO<sub>2</sub> emissions:

- Energy Efficiency Design Index (EEDI) (for NBs)
- Energy Efficiency Existing Ship Index (EEXI)



#### EEXI:

- Calculated once in a lifetime a design index, not operational
- Is based on standard reference conditions, no onboard measurements needed
- Ships to comply with the EEXI by the end of 2023
- EEXI Technical File must be submitted to class for approval. The new IEE certificate will subsequently be issued.



### SEEMP III – individual plan for improvement

#### Scope:

- Mandatory elements added to the SEEMP:
  - Measuring the CII (eg, EEOI, AER)
  - Setting a mandatory CII target in line with IMO ambitions

#### **Requirements:**

- Operational: Enhanced SEEMP with mandatory rating scheme (rating A-E)
- Ships must document the CII and at verification audits prove that they are compliant with reduction trajectory towards abt 40% in 2030
- Application scope and handling of inferior ships to be resolved
- Technical guidelines to be developed these include definitions, the ship reduction rates and calculation guidelines
- To be developed by end-2022





### CII - Carbon Intensity Indicator rating

#### Scope:

 Cargo, ro-pax and cruise ships above 5000 GT

#### **Requirements:**

 Every year from 2023: Annually calculate and report Carbon Intensity Indicator and rating A to E. Each ship needs to achieve rating C or better

#### **Enforcement:**

- If rating D for 3 consecutive years or rating E: develop and implement an approved corrective action plan as part of SEEMP to achieve rating C or better
- Annual Statement of Compliance issued.

#### **Other elements:**

- Review to be conducted by 1 January 2026, e.g.:
  - Reduction factors for 2027-2030
  - Strengthened corrective actions
  - Need for enhancement of the enforcement mechanism



IMO DCS

CII

EEXI

SEEMP

## Your ships, your fleet – what now?



# Owners must identify their own "decarbonization stairway" to manage carbon risk



### CII compliance options: there are many ways to Rome...



## Thank you for your attention!

