

Diretoria de Portos e Costas

Secretaria Executiva da CCA-IMO

SGT 07- Descarbonização e Pegada de Carbono (Setor Naval)

12MAI

Comte. Fernando

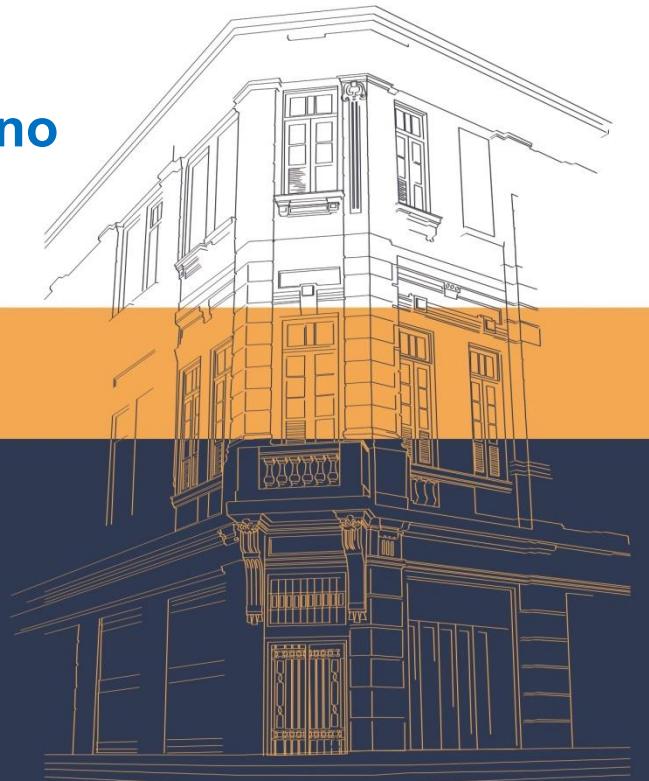
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DIRETORIA DE
PORTOS E COSTAS



MARINHA
DO BRASIL





ROTEIRO

CENÁRIO

SESSÕES na IMO

AÇÕES DECORRENTES

PRÓXIMOS EVENTOS

CONCLUSÃO

CENÁRIO

- ✧ ESTRATÉGIA IMO 2023 – MEPC 377(80)
- ✧ CICLO DE VIDA COMBUSTÍVEIS – MEPC 391(81)
- ✧ PREPARAÇÃO PARA O 5th IMO GHG STUDY
- ✧ EXPECTATIVA PARA A APROVAÇÃO DA CESTA DE MEDIDAS
- ✧ IMPACTOS DECORRENTES DAS MEDIDAS A SEREM ADOTADAS
- ✧ PLENÁRIO DIVIDIDO (Like-Mindeds, Europeus continentais e Ilhas oceânicas Pacífico – Marshall Islands)

SESSÕES IMO - ISWG GHG 19 (31MAR A 01ABR)

- ✧ RESERVA POSIÇÃO USA
- ✧ ARÁBIA SAUDITA PEDE A DECISÃO PELO VOTO
- ✧ TERMOS DE REFERÊNCIA PARA OS GHG 20 e 21 (guidelines, LCA e 5th Study)
- ✧ LISTA DE *GUIDELINES**
- ✧ MINUTA DE ALTERAÇÃO AO ANEXO VI (GFI, TABELA DE Z, Curvas tiers 1 e 2, balance, valores *remedial*, GFI registry, ZNZ 19 e 14gCO2/MJ, fundo e *revenue disbursement*)

SESSÕES IMO - MEPC 83 (07 A 11ABR)

- ✧ *Work Plan Plastic Litter*
- ✧ *Review Ballast Water Convention*
- ✧ ECA north east atlantic
- ✧ CG OCCS
- ✧ *Guidelines eficiência operacional [Resoluções 400(83) e 401(83)]*
- ✧ Anexo VI - Cap 5 “*Regulations on the IMO Net-Zero Framework*”

SESSÕES IMO - MEPC 83 (ANEXO VI - CAP. 5)

- ❖ Reg 30 AB 5000 / 400 revisão (Reg 44)

- ❖ Reg 32

$$GFI_{attained} = \frac{\sum_{j=1}^J EI_j \times Energy_j}{Energy_{total}}$$

- ❖ Reg 34 SFCSs - FLL* - coordenação informal (16MAI – 09hrs)

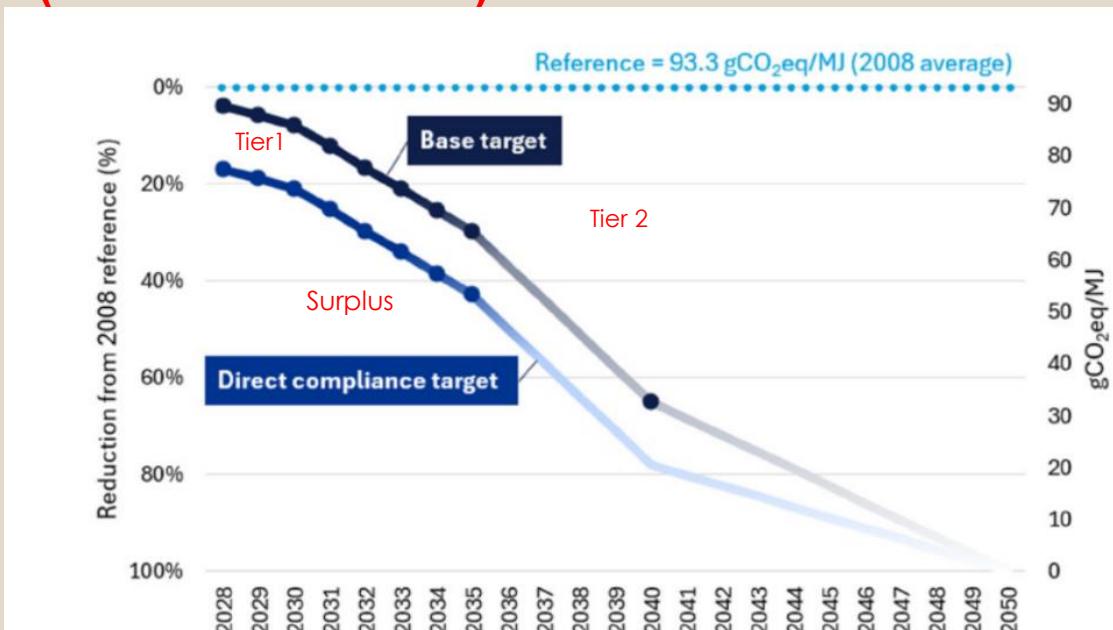
- ❖ Reg 35 – *base target/direct compliance target*

$$GFI_T = (1 - Z_T/100) \cdot GFI_{2008}$$

Year _T	Z _T for Base target	Z _T for Direct compliance target
2028	4.0%	17.0%
2029	6.0%	19.0%
2030	8.0%	21.0%
2031	12.4%	25.4%
2032	16.8%	29.8%
2033	21.2%	34.2%
2034	25.6%	38.6%
2035	30.0%	43.0%

SESSÕES IMO - MEPC 83 (ANEXO VI - CAP. 5)

✧ *Balance the deficit*



Year	2028	2029	2030	2031	2032	2033	2034	2035
Base	4%	6%	8%	12.4%	16.8%	21.2%	25.6%	30%
Direct	17%	19%	21%	25.4%	29.8%	34.2%	38.6%	43%

Fonte DNV
IMO MEPC 83: GHG requirements approved,
taking effect from 2028

SESSÕES IMO - MEPC 83 (ANEXO VI - CAP. 5)

- ✧ Reg 36 - *Remedial Units 2028/30 – Tiers 1 US\$ 100 e 2 (surplus de outros navios e/ou outro período) ou US\$ 380** - 2028/30
- ✧ Reg 37 – *report & verification*/ship account*/statement of compliance*
- ✧ Reg 38 – *GFI registry*/ship account fee**
- ✧ Reg 39 – *ZNZ 19gCO2eq/MJ (2034) e 14gCO2eq/MJ (2035 -) / reward**
- ✧ Reg 40 – *Fundo (Comitê governing provisions e Governing Board operating procedures)*

SESSÕES IMO - MEPC 83 (ANEXO VI - CAP. 5)

❖ Reg 41 – *disbursement of revenue*

- .1 researching, developing and making globally available and deploying zero and near-zero GHG emission technologies, fuels and/or energy sources, supporting the energy transition of shipping, and developing the necessary maritime, coastal and port-related infrastructure and equipment;
- .2 enabling a just transition for seafarers and other maritime workforce;
- .3 facilitating information-sharing, technology transfer, capacity-building, training and technical cooperation supporting the implementation of the regulations in this chapter;
- .4 supporting the development and implementation of National Action Plans (NAPs),¹⁰⁵ including fleet renewal and upgrade; and
- .5 addressing, as appropriate, disproportionately negative impacts on States, including on food security, resulting from the implementation of the regulations in this chapter;¹⁰⁶ and

SESSÕES IMO - MEPC 83 (ANEXO VI - CAP. 5)

- ✧ Reg 42 – cooperação técnica
- ✧ Reg 43 – *Food security*
- ✧ Reg 44 – Revisão a cada 5 anos (AB 400)
- ✧ Reg 46 – *Audit Scheme*

SESSÕES IMO - ISWG APEE 1 (02 A 04ABR)

- .3 instruct the working group on air pollution and energy efficiency expected to be established during MEPC 83 to further consider the following matters with a view to finalization:
- .1 definition of the CII reduction (Z) factors for 2027 to 2030 (paragraphs 12 to 26);
 - .2 draft amendments to MARPOL Annex VI and associated guidelines regarding IMO DCS accessibility (paragraphs 27 to 37 and annexes 1 and 2);
 - .3 work plan for phase 2 of the review of the short-term GHG reduction measure (paragraphs 86 to 92 and annex 3); and

SESSÕES IMO - ISWG APEE 1

- ✧ INDICADORES AER e EEOI
- ✧ cgHRS

56 In this regard, the Group requested the IMO Secretariat to calculate the new reference line and rating boundaries for the proposed cgHRS metric for cruise passenger ships based on existing IMO DCS data, and noted that the Secretariat had begun the process by carrying out a regression analysis using 2019 IMO DCS data.

26 Subsequently, the Group recommended that the Committee note the status of the discussion on the matter as well as the Chair's observations, and instruct the working group on air pollution and energy efficiency expected to be established during MEPC 83 to further consider the definition of CII reduction (Z) factors with a view to finalization.

SESSÕES IMO - ISWG APEE 1

◊ Reg 27

- 11 The Secretary-General of the Organization shall grant the Administration of a ship or any organization duly authorized by it⁵⁴ access to all the reported data for all the preceding calendar years in the IMO Ship Fuel Oil Consumption Database for that ship.
- 12 Parties shall have access to a non-anonymized database containing data for all ships to which this regulation applies strictly for their analysis and consideration.
- 13 The Secretary-General of the Organization shall maintain an anonymized database such that identification of a specific ship will not be possible, and facilitate access to public user accounts.
- 14 The IMO Ship Fuel Oil Consumption Database shall be undertaken and managed by the Secretary-General of the Organization, pursuant to guidelines to be developed by the Organization.⁵⁵

AÇÕES DECORRENTES

- ✧ GESAMP/SUBMISSÕES (**02MAI-etanol milho /29AGO**)
- ✧ CG OCCS
- ✧ CG URN
- ✧ CERTIFICATION SCHEME
- ✧ AVALIAÇÃO DE IMPACTOS
- ✧ *GUIDELINES*

PRÓXIMOS PASSOS

- ✧ GESAMP (30JUN a 06JUL e 03 a 07NOV)
- ✧ MEPC ES.2/ISWG GHG 20 (14 a 17OUT e 20 a 24OUT)
- ✧ CG OCCS – 2025/2026
- ✧ CG URN – 2025/2026
- ✧ MEPC 84 – 27ABR a 01MAI 2026 (*guidelines*)
- ✧ MEPC 85 – 16 A 20NOV 2026
- ✧ 2027 – Entrada em vigor (16 meses após adoção)

CONCLUSÃO

❖ APROVADAS (ABR) – ACEITAS (OUT) [MARPOL Art 16 subp (III)]

- (iii) an amendment to an appendix to an Annex to the Convention shall be deemed to have been accepted at the end of a period to be determined by the appropriate body at the time of its adoption, which period shall be not less than ten months, unless within that period an objection is communicated to the Organization by not less than one third of the Parties or by the Parties the combined merchant fleets of which constitute not less than 50 per cent of the gross tonnage of the world's merchant fleet whichever condition is fulfilled;



❖ SUBMISSÃO DE ROTAS DE BIOCOMBUSTÍVEIS

❖ ESQUEMA DE CERTIFICAÇÃO

❖ GESAMP

❖ IMPACTOS

❖ OCCS

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