



07 July 2023

Kepada : Semua pengguna jasa BKI

Perihal : Laporan Singkat IMO Meeting Marine Environment Protection Committee (MEPC 80)

Ringkasan

Informasi Teknik ini merupakan ringkasan hasil pertemuan ke-80 dari IMO Marine Environment Protection Committee (MEPC 80) yang diselenggarakan secara hibrid dari tanggal 03 sd 07 Juli 2023.

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Beberapa agenda yang didiskusikan selama pertemuan tersebut antara lain:

| Nomor Agenda | Topik |
|--------------|--|
| 3 | <i>Consideration and adoption of amendments to mandatory instruments</i> |
| 4 | <i>Harmful aquatic organisms in ballast water</i> |
| 5 | <i>Air pollution prevention</i> |
| 6 | <i>Energy efficiency of ships</i> |
| 7 | <i>Reduction of GHG emissions from ships</i> |
| 8 | <i>Follow-up work emanating from the Action Plan to address marine plastic litter from ships</i> |
| 9 | Pollution Prevention and response |
| 10 | <i>Reports of other sub-committees</i> |
| 11 | <i>Identification and protection of Special Areas, ECAs and PSSAs</i> |

Agenda diatas adalah beberapa isu teknis yang dibahas pada saat pertemuan. Lampiran singkat terkait isu teknis disampaikan pada lampiran dokumen ini.

Informasi lebih lanjut

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Informasi

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BRIEF INFORMATION ON IMO MEETING OF THE MARINE ENVIRONMENT PROTECTION COMMITTEE (MEPC) 80TH SESSION (MEPC 80)

**A. CONSIDERATION AND ADOPTION OF AMENDMENTS TO MANDATORY INSTRUMENTS
(AGENDA ITEM 3)**

Draft amendments to appendix II of the BWM Convention concerning the form of the Ballast Water Record Book

MEPC consider and adopt proposed amendments to appendix II of the Ballast Water Management (BWM) Convention concerning the form of the Ballast Water Record Book, which had been approved by MEPC 79, as set out in the annex to document MEPC 80/3.

This Committee then confirmed the contents of the requisite resolution and agreed that the entry-into-force date of the amendments to appendix II of the BWM Convention will be 1 February 2025.

B. HARMFUL AQUATIC ORGANISMS IN BALLAST WATER (AGENDA ITEM 4)

Ballast water management systems

MEPC 80 have approved the following BWMS for Final Approval :

- a) BalClor® Smart BWMS
- b) EcoGuardian NF™ Ballast Water Management System
- c) HiBallast 2.0™ BWMS
- d) ERMA FIRST BWTS, model FIT 75-3000

Temporary storage of treated sewage and grey water in ballast tanks

Guidance on the temporary storage of grey water or treated sewage in ballast tanks

Recognizing that there were two alternative proposals in documents MEPC 79/4/11 and MEPC 80/4/12 that did not necessarily align on several points, the Review Group agreed to use document MEPC 79/4/11 as the basis and take into account elements of document MEPC 80/4/12 as appropriate. It was also noted that elements of document MEPC 79/4/8 should also be taken into account in the consideration of the proposed guidance.

The Committee noted that, owing to time constraints, the Group had not been able to finalize the proposed draft guidance on the temporary storage of grey water or treated sewage in ballast tanks, and invited interested Member States and international organizations to work intersessionally and submit further concrete proposals to the next session for such guidance.

Consequential amendments to the BWM Convention

The Committee noted that, owing to time constraints, the Group had not been able to consider the proposed amendments to regulations A-2, B-1 and B-2 of the BWM Convention contained in document MEPC 79/4/8 concerning the discharge of grey water or treated sewage temporarily stored in ballast tanks, and deferred their consideration to the next session.

Review of the BWM Convention

Convention Review Plan

The Committee approved the Convention Review Plan under the experience-building phase associated with the BWM Convention, as set out in annex 1 to document MEPC 80/WP.13, and instructed the Secretariat to disseminate it by means of BWM.2/Circ.79.

Application of the BWM Convention to ships operating in challenging water quality

The Committee noted that, owing to lack of consensus on various matters as well as time constraints, the Group had not been able to finalize draft guidance on the application of the BWM Convention to ships operating in challenging water quality, however several delegations intended to work intersessionally with a view to achieving this at the next session.

In light of this, the Committee encouraged delegations to work together with the broadest possible participation, using document MEPC 80/4/8 as the starting point, with a view to the finalization of guidance on the application of the BWM Convention to ships operating in challenging water quality at the next session.

Ballast water record-keeping and reporting

Guidance on ballast water record-keeping and reporting

The Committee approved the Guidance on ballast water record-keeping and reporting, as set out in annex 5 to document MEPC 80/WP.13, and instructed the Secretariat to disseminate it by means of BWM.2/Circ.80.

Consequential amendments to Guidelines (G4) and (G6)

The Committee adopted resolution on “**Amendments to the Guidelines for ballast water management and development of Ballast Water management plans (G4)**”.

Furthermore, the Committee also adopted resolution on “**Amendments to the Guidelines for ballast water exchange (G6)**”.

Electronic Ballast Water Record Books

The Committee adopted resolution on “**Guidelines for the use of electronic record books under the Ballast Water Management Convention**”.

In addition, the Committee approved draft amendments to regulations A-1 and B-2 of the BWM Convention concerning the use of electronic record books under the Convention, and requested the Secretary-General to circulate the amendments in accordance with article 19(2)(a) of the BWM Convention, with a view to adoption by MEPC 81.

Modifications to BWMS with existing type approval

The Committee invited interested Member States and international organizations to work intersessionally and submit concrete proposals to the next session on guidance or a unified interpretation to address the issue of modifications to BWMS with existing type approval, taking into account the relevant comments made at this session including the potential linkage with the BWMS Code and the CRP.

PSC inspections during the experience-building phase

The Committee encouraged Member States to conduct more sampling and analysis as part of port State control inspections, in order to gather more meaningful knowledge on the operation of installed ballast water management systems, while maintaining the non-penalization elements of the experience-building phase associated with the BWM Convention, within the context of existing provisions and at the same time recognizing the role of flag State implementation in this matter.

C. AIR POLLUTION PREVENTION (AGENDA ITEM 5)

Development of interim guidance on the use of biofuels and biofuel blends

Air pollution Working Group at this session were tasked to consider the need to develop interim guidance on the use of biofuels and biofuel blends. The Committee, having noted the Group's discussion on this matter, and having agreed that approval of the interim guidance should not, in any case, prejudge future decisions on the application of LCA frameworks to any kinds of fuels, including

biofuels, following further development of the LCA guidelines, approved Circular on ***“Interim guidance on the use of biofuels under regulations 26, 27 and 28 of MARPOL Annex VI”***.

Due to time constraint, the Working Group had not finalized the consideration of documents submitted by two member states, and consequently deferred the consideration of these documents to MEPC 81.

Engine emission testing and certification for NO X Tier III

A study presenting NO X emissions from Tier III engines in ECAs suggesting that based on further research, data and real-world information, a potential additional test cycle for NOX Tier III may be established which better reflected real-world ship operations within ECAs as ships were operating at lower loads than 25%.

This Committee having noted the Working Group's discussion on the matter, invited interested Member States and international organizations to provide any relevant information on in-service engine NOX emission measurement campaigns, including findings from recent studies, to a future session.

Draft amendments to MARPOL Annex VI related to low-flashpoint fuels and other fuel oil related issues

Air pollution Working Group consider two documents on these issues, whereas one is aiming to resolve the inconsistency regarding the reporting of flashpoint on the bunker delivery note resulting from the different terminologies used in SOLAS chapter II-2 and MARPOL Annex VI as well as the consistent use of definitions of "oil fuel", "oil" and "fuel oil" in SOLAS and MARPOL; and proposing amendments to MARPOL Annex VI addressing the inconsistencies; and proposal to amendments regulation 18.4 of MARPOL Annex VI to clarify that gases used as a fuel, low-flashpoint fuels, ethane, liquefied petroleum gas, such as propane and butane, methyl/ethyl alcohols, hydrogen and ammonia would be exempted from sampling provided that the sulphur content of these fuels was documented by suppliers.

This Committee approved draft amendments to regulations 2, 14, 18 and appendix I of MARPOL Annex VI, with a view to adoption at MEPC 81.

Amendments to the 2021 Guidelines for exhaust gas cleaning systems

IACS proposed a minor amendment relevant to the EGCS Electronic Record Book (ERB) in the 2021 Guidelines for exhaust gas cleaning systems (resolution MEPC.340(77)) by inserting a footnote referring to Guidelines for the use of electronic record books under MARPOL (resolution

MEPC.312(74)) having to view to facilitating uniform and universal implementation and which was then agreed by the committee.

D. ENERGY EFFICIENCY OF SHIPS (AGENDA ITEM 6)

Draft Amendments to MARPOL Annex VI regulation 27 and Appendix IX

The Draft Amendments on the above is agreed to:

- Containerships should report both tonne-mille and TEU-mile data
- Incorporate total transport work in the IMO DCS using actual tonne-mile, TEU-mile and/or passenger-mile data. The requirement to collect and report transport work data only applies to ships which Annex VI regulation 28 applies.
- Allow non-anonymised data of a company's ship to be made public at the request of the company

IMO Ship Fuel Oil Consumption Data Collection System (DCS) and GISIS database Revision

Proposals related to IMO Data Collection System for Fuel Oil Consumption and GISIS submission requirements were under consideration at MEPC 80, namely :

- Revision of the IMO DCS to the increase granularity of reported fuel oil consumption data collection
- Transferring IMO DCS reporting requirements from Appendix IX of MARPOL Annex VI into new guidelines
- Implementing TEU-miles as the sole metric for measuring cargo transported by containership

Furthermore, accessibility and management of database are proposed to amend and improve 2022 Guidelines for the development of the IMOShip Fuel Oil Consumption Database (MEPC 349(78)) and GISIS Fuel Oil Consumption database module.

Two resolutions related to Energy Efficiency Design Index are adopted :

- MEPC 374 (80) Amendments to the 2022 Guidelines on the survey and certification of the Energy Efficiency Design Index (EEDI) to clarify the filing rate for a gas fuel tank in the EEDI Calculation
- MEPC 375(80) Amendments to the 2021 Guidelines on the Shaft/Engine Power limitation system to comply with the EEXI requirements and use of a power reserve

E. REDUCTION OF GHG EMISSIONS FROM SHIPS (AGENDA ITEM 7)

IMO 2023 Strategy on reduction of GHG emissions from ships

MEPC 80 has finalized and adopted the IMO 2023 Strategy on reduction of GHG emissions from ships, where it supersedes the IMO 2018 Initial GHG Strategy. Whereas the new level of ambitions added the following text :

- Uptake of zero or near zero GHG emission technologies, fuels and/or energy sources to represent at least 5%, striving for 10 %, of the energy used by International Shipping by 2030.
- Peak GHG emissions from international shipping as soon as possible and to reach net zero GHG emissions by or around, i.e. close to 2050.

New “indicative checkpoints” are added in **bold** :

- Reduce the total annual GHG emissions from international shipping by at least 20%, striving for 30% **by 2030**, compared to 2008; and
- Reduce the total annual GHG emissions from international shipping by at least 70%, striving for 80% **by 2040**, compared to 2008

A. FOLLOW-UP WORK EMANATING FROM THE ACTION PLAN TO ADDRESS MARINE PLASTIC LITTER FROM SHIPS (AGENDA ITEM 8)

Under this Agenda items, the committee discuss on reducing the loss of fishing gear, Reducing the environmental risk of plastic pellets transported by ship and Action plan on Marine Plastic Litter. New requirement will be develop for fishing vessel to have an onboard management of fishing gear, including updating of MARPOL Annex V. The application of a management plan for fishing gear is expected to specific fishing vessel types.

With regards to transport of plastic pellets, MEPC 80 request for concrete proposal on possible mandatory measures and regulatory changes to prevent shipping of plastic pellets in bulk, and establishment of Correspondence Group on Pollution Response to develop a draft guide on clean-up of plastic pellets from ship-source spills.

In terms of the Action Plan on Marine Plastic Litter from ships, the discussion was then deferred to MEPC 81. Future submissions will be considered on revised ToR (terms of reference) for IMO study on marine plastic litter and or comment on GLO litter partnerships can work to fulfil the terms of reference for the study.

B. IDENTIFICATION AND PROTECTION OF SPECIAL AREAS, ECAS AND PSSAS (AGENDA ITEM 11)

MEPC 80 have adopted the following for protection of Special Areas and PSSAs

- MEPC 382(80) for Establishment of the date on which regulation 15.3,15.5 and 34.3 to 34.5 of MARPOL Annex I, in respect of the Red Sea and Gulf of Aden Special Areas, shall take effect
- MEPC 381(80) Establishment of the date on which regulation 6 of MARPOL Annex V, in respect of the Red Sea Special Area shall take effect
- MEPC 377(80) Designation of the North-Western Mediterranean Sea as Particularly Sensitive Sea Area.

C. PROVISIONAL LIST OF RESOLUTIONS APPROVED BY MEPC 80

As being discussed by the working groups established during this session, the Committee have approved several Resolutions relevant to Conventions under the purview of MEPC as follows :

- 1) RESOLUTION MEPC.369(80) – Amendments to Appendix of the BWM Convention Concerning the form of the Ballast Water Record Book
- 2) RESOLUTION MEPC.370(80) - Amendments to The Guidelines For Ballast Water Management and Development of Ballast Water Management Plans (G4)
- 3) RESOLUTION MEPC.371(80) - Amendments to the Guidelines for Ballast Water Exchange (G6)
- 4) RESOLUTION MEPC.372(80) - Guidelines for the use of Electronic Record Books under the Ballast Water Management Convention
- 5) RESOLUTION MEPC.372(80) - Guidelines For the use of Electronic Record Books under the Ballast Water Management Convention
- 6) RESOLUTION MEPC.373(80) - 2023 Guidelines for Thermal Waste Treatment Devices (TWTD)
- 7) RESOLUTION MEPC.374(80) - Amendments to the 2022 Guidelines on Survey And Certification of the Energy Efficiency Design Index (EEDI) (RESOLUTION MEPC.365(79))
- 8) RESOLUTION MEPC.375(80) - Amendments to the 2021 Guidelines on the Shaft/Engine Power Limitation System to Comply with the EEXI Requirements and use of A Power Reserve
- 9) RESOLUTION MEPC.376(80) - Guidelines on Life Cycle GHG Intensity of Marine Fuels

- 10) RESOLUTION MEPC.377(80) - 2023 IMO Strategy for the Reduction of Green House Gases from Ships
- 11) RESOLUTION MEPC.378(80) - 2023 Guidelines for the Control and Management of Ships' Biofouling to Minimize the Transfer of Invasive Aquatic Species
- 12) RESOLUTION MEPC.379(80) - 2023 Guidelines for the Development of the Inventory of Hazardous Materials
- 13) RESOLUTION MEPC.380(80) - Designation of the North-Western Mediterranean Sea as a PSSA
- 14) RESOLUTION MEPC.381(80) - Establishment of the Date on Which the Discharge Requirements Of Regulations 15.3,15.5 And 34.3 To 34.5 of MARPOL Annex I in Respect to the Red Sea and the Gulf of Aden Special Areas, Shall Take Effect
- 15) RESOLUTION MEPC.382(80) - On the establishment of the Date on Which the Discharge Requirements of Regulation VI of MARPOL ANNEX V, in Respect to the Red Sea Special Area, shall take effect

D. PROVISIONAL LIST OF CIRCULARS APPROVED BY MEPC 80

This Committee have approved several circulars relevant to Conventions under the purview of MEPC as follows:

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|----|-----------------------|---|
| 1) | BWM.2/Circ.66/Rev.5 | Unified Interpretations To The BWM Convention and the BWMS Code |
| 2) | BWM.2/Circ.78 | Protocol For Verification of Ballast Water Compliance Monitoring Devices |
| 3) | BWM.2/Circ.79 | Convention Review Plan Under the Experience-Building Phase associated with the BWM Convention |
| 4) | BWM.2/Circ.80 | Guidance On Ballast Water Record-Keeping and Reporting |
| 5) | MEPC.1/Circ.795/Rev.8 | Unified Interpretations to Regulations 18.5 and 18.6 of MARPOL Annex VI |
| 6) | MEPC.1/Circ.905 | Interim Guidance on the use of Biofuels under Regulations 26, 27, and 28 of MARPOL Annex VI (DCS And CII) |

- 7) MEPC.1/Circ.906 Revised Guidelines for the Reduction of Underwater Radiated Noise from Shipping to Address Adverse Impacts on Marine Life
- 8) MEPC.1/Circ.907 Guidelines for Underwater Radiated Noise Reduction in Inuit Nunaat And The Arctic
- 9) MSC-MEPC.1/Circ.5/Rev.5 Organization and Method of Work of The Maritime Safety Committee and the Marine Environment Protection Committee and their Subsidiary Bodies
- 10) PPR.1/Circ.7/Rev.1 Decisions with regard to the Categorization and Classification of Products