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To: Relevant shipowners, ship management companies, shipyards and designers, product manufacturer, related departments of the Headquarters of CCS, the Society's surveyors, Plan Approval Centers

## Technical Notice on Resolutions/Circulars Adopted/Approved by

### IMO MEPC 80

The Marine Environment Protection Committee of the International Maritime Organization, at its 80th session, adopted 14 MEPC resolutions including Amendments to the BWM Convention (Appendix II Form of Ballast Water Record Book)(MEPC.369(80)), Amendments to the 2022 Guidelines on survey and certification of the Energy Efficiency Design Index(EEDI)(Resolution MEPC.365(79)) (MEPC.374(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 (MEPC.375(80)), Guidelines on life cycle GHG intensity of marine fuels (MEPC.376(80)), 2023 IMO Strategy on Reduction of GHG Emissions from Ships (MEPC.377(80)), Designation of the North-Western Mediterranean Sea as a Particularly Sensitive Sea Area (PSSA) (MEPC.380(80)), etc. In addition, 10 MEPC circulars were approved, i.e. Unified interpretations to the BWM Convention (BWM.2/Circ.66/Rev.5), Unified Interpretations to MARPOL Annex VI (MEPC.1/Circ.795/Rev.8), Interim guidance on the use of biofuels under regulations 26, 27 and 28 of MARPOL Annex VI (MEPC.1/Circ.905), etc.

For summary, please refer to attached List of resolutions/circulars adopted/approved by IMO MEPC 80. The original English and translation into Chinese (The original English shall prevail in case of any doubt) will be made public at the column

Technical Service/IMO Resolution & Circular on CCS website ([www.ccs.org.cn](http://www.ccs.org.cn)) .

This Notice is made public on CCS website ([www.ccs.org.cn](http://www.ccs.org.cn)), and is to be notified to relevant ship owners, ship management companies, shipyards, marine product manufacturers by CCS survey units within their responsible areas.

Please contact the Technology & Information Department of CCS for any inquiry in this regard (E-mail address: [ti@ccs.org.cn](mailto:ti@ccs.org.cn)).

Annex- List of resolutions/circulars adopted/approved by IMO MEPC 80

**Annex- List of resolutions/circulars adopted/approved by IMO MEPC 80**

NO.	Provision	Relevant document	Mandatory	Effective/approval date	Ship type	Ship size	Ship date	Summary of IMO requirements
1	Amendments to the BWM Convention (Appendix II Form of Ballast Water Record Book)	MEPC.369(80)	Yes	Adopted on 2023.7.7 Effective on 2025.2.1	Any type	Any size	Any date	Mainly revising Appendix II Form of Ballast Water Record Book of the Convention, using the record method of code (letter) and item (number) and adding operational scenarios of ballast tank cleaning/flushing, removal and disposal of sediments etc.
2	Amendments to the Guidelines for ballast water management and development of Ballast Water Management Plans (G4)	MEPC. 370(80)	No	Adopted on 2023.7.7 To be implemented after release	Any type	Any size	Any date	In relevant paragraphs of the Guidelines mentioning record book and recording requirements, reference is made to the <i>Guidance on ballast water record-keeping and reporting</i> (BWM.2/Circ.80); adding requirements for a completed ballast water reporting form and reference to guidance during PSC inspection.
3	Amendments to the 2017 Guidelines for ballast water exchange (G6)	MEPC. 371(80)	No	Adopted on 2023.7.7 To be implemented after release	Any type	Any size	Any date	In relevant paragraphs of the Guidelines mentioning requirements for ballast water reporting form, reference is made to the <i>Guidance on ballast water record-keeping and reporting</i> (BWM.2/Circ.80).
4	Guidelines for the use of electronic record books under the BWM Convention	MEPC. 372(80)	No	Adopted on 2023.7.7 To be implemented after release	Any type	Any size	Any date	
5	2023 Guidelines for Thermal Waste Treatment Devices (TWTd)	MEPC.373(80)	No	Adopted on 2023.7.7 To be implemented after release	Any type	Any size	Any date	These Guidelines cover the approval, certification and in-service controls applicable to thermal waste treatment devices (TWTd) as equivalent means to incinerators as covered by regulation 16 of MARPOL Annex VI. These Guidelines are written on the basis of a technology-neutral, goal-based approach that can be applied to any thermal waste treatment device using, for example, gasification, hydrothermal carbonization, pyrolysis, plasma or

								other thermal means for the disposal of permitted garbage and other shipboard wastes generated during a ship's normal service.
6	Amendments to the 2022 Guidelines on survey and certification of the Energy Efficiency Design Index (EEDI)(Resolution MEPC.365(79))	MEPC.374(80)	No	Adopted on 2023.7.7 To be implemented after release	EEDI applicable ship type	400GT and above	Any date	In order to clarify the filling limit involved in the filling rate for gas fuel tanks Kgas in EEDI calculation, “filling limit” in the footnote to 4.2.3.2 is replaced by “loading limit” referred to in the IGF Code. Considering that LNG tanks may also be used as fuel tanks, reference is also made to the IGC Code.
7	Amendments to the 2021 Guidelines on the shaft/engine power limitation system to comply with the EEXI requirements and use of a power reserve	MEPC.375(80)	No	Adopted on 2023.7.7 To be implemented after release	EEXI applicable ship type	400GT and above	Any date	Providing specific implementation requirements for the use and report of power reserve, and adding a report module in GISIS for such information.
8	Guidelines on life cycle GHG intensity of marine fuels (LCA Guidelines)	MEPC.376(80)	No	Adopted on 2023.7.7 To be implemented after release	Any type	Any size	Any date	These guidelines provide calculation methods of life cycle GHG intensity of marine fuels and specify sustainability themes/aspects for marine fuels, with fuel code information and some calculation default values in the typical pathway given in the appendix.
9	2023 IMO Strategy on Reduction of GHG Emissions from Ships	MEPC.377(80)	No	Adopted on 2023.7.7 To be implemented after release	--	--	--	Specifying more stringent requirements for reduction of GHG emissions from international shipping, i.e., to 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, taking into account different national circumstances, whilst pursuing efforts towards phasing them out as called for in the Vision consistent with the long-term temperature goal set out in Article 2 of the Paris Agreement. Meanwhile, the Strategy has set two indicative checkpoints: to reduce the total annual GHG emissions from

								international shipping by at least 20%, striving for 30%, by 2030, compared to 2008; and to reduce the total annual GHG emissions from international shipping by at least 70%, striving for 80%, by 2040, compared to 2008. The levels of ambition and indicative checkpoints should take into account the well-to-wake GHG emissions of marine fuels as addressed in the Guidelines on life cycle GHG intensity of marine fuels (LCA guidelines) developed by IMO with the overall objective of reducing GHG emissions within the boundaries of the energy system of international shipping. In addition, the Strategy has increased 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. The IMO GHG Strategy should be subject to a five-yearly review.
10	2023 Guidelines for the control and management of ships' biofouling to minimize the transfer of invasive aquatic species	MEPC.378(80)	No	Adopted on 2023.7.7 To be implemented after release	Any type	Any size	Any date	(1) Contingency action plans, extent of biofouling and recommended actions, inspection and cleaning report are added based on 2011 Guidelines (resolution MEPC.207(62)). (2) Improving the content and form of biofouling management plan and record book.
11	2023 Guidelines for the development of the Inventory of Hazardous Materials	MEPC.379(80)	No	Adopted on 2023.7.7 To be implemented after release	Any type	Any size	Any date	(1) In order to implement controls on cybutryne introduced in the amendments to the AFS Convention, relevant guidance for cybutryne is added based on 2015 Guidelines (resolution MEPC.269(68)). (2) The following contents are added: adding cybutryne and its threshold value in Items to be Listed in the Inventory of Hazardous Materials; adding control requirements for cybutryne; adding cybutryne and its threshold value in the Form of Materials Declaration; adding specific testing technique for cybutryne and simplified approach to detect organotin compounds or

								cybutryne.
12	Designation of the North-Western Mediterranean Sea as a Particularly Sensitive Sea Area (PSSA)	MEPC.380(80)	--	Adopted on 2023.7.7 To be implemented after release	--	--	--	Designating the North-Western Mediterranean Sea as a Particularly Sensitive Sea Area (PSSA), inviting ships to note such information and take relevant measures.
13	Establishment of the date on which MARPOL Annex I regulations, in respect of the Red Sea and Gulf of Aden Special Areas, shall take effect	MEPC.381(80)	Yes	Adopted on 2023.7.7 Effective on 2023.7.7	Any type	Any size	Any date	Deciding that the discharge requirements of MARPOL Annex I regulations in respect to the Red Sea and the Gulf of Aden Special Areas shall take effect on 1 January 2025, as sufficient reception facilities are available in the areas.
14	Establishment of the date on which MARPOL Annex V regulation, in respect of the Red Sea Special Area, shall take effect	MEPC.382(80)	Yes	Adopted on 2023.7.7 Effective on 2023.7.7	Any type	Any size	Any date	Deciding that the discharge requirements of MARPOL Annex V regulation in respect to the Red Sea Special Area shall take effect on 1 January 2025, as sufficient reception facilities are available in the area.
15	Unified interpretations to the BWM Convention	BWM.2/Circ.66/Rev.5	No	Approved on 2023.7.7 To be implemented after release	Any type	Any size	Any date	Regulations B-3.5 and B-3.10 of the BWM Convention: An existing ship which has undergone a major conversion should be deemed as a new ship and meet the D-2 standard from the earlier date.  Appendix I Form of International Ballast Water Management Certificate The date of the commencement of the major conversion should be filled in the item "Date of construction".
16	Protocol for the verification of ballast water compliance	BWM.2/Circ.78	No	Approved on 2023.7.7	--	--	--	The goal of this protocol is to provide a framework that can be used to verify

	monitoring devices			To be implemented after release				<p>the ability of a compliance monitoring device (CMD) to assess non-compliance with the standard described in regulation D-2 (the D-2 standard) of the International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004 (the BWM Convention), and its ability to operate, as claimed by the manufacturer, with regard to the degree or level of non-compliance that can be detected and with regard to the stated intended use of the device. This protocol is intended to support effective implementation of the BWM Convention by enabling the use of ballast water CMDs that satisfy a common level of quality.</p> <p>This protocol specifies requirements for verification testing parameters, reference standard and verification protocol, experimental design, data and quality management, reporting etc.</p>
17	Convention Review Plan for the experience-building phase associated with the BWM Convention	BWM.2/Circ.79	No	Approved on 2023.7.7 To be implemented after release	Any type	Any size	Any date	With regard to issues identified in the implementation of the BWM Convention, developing Convention Review Plan for the experience-building phase. CRP mainly includes overview of EBP, organizational arrangements, review methods and steps, principles for the Convention review, prioritization of issues to be addressed through the Convention review, timeline for the Convention review etc.
18	Guidance on ballast water record-keeping and reporting	BWM.2/Circ.80	No	Approved on 2023.7.7 To be implemented after release	Any type	Any size	Any date	Providing guidance on correctly understanding and completing the revised ballast water record book in Appendix II of the BWM Convention. The guidance includes how to complete the ballast water record book, an example ballast water reporting form, and an example tank-by-tank log form
19	Unified interpretations to MARPOL Annex VI	MEPC.1/Circ.79 5/Rev.8	No	Approved on 2023.7.7 To be implemented after release	Any type	Any size	Any date	With regard to Bunker Delivery Note (BDN) required by regulations 18.5 and 18.6, an electronic format of BDN is acceptable and relevant requirements are given.
20	Interim guidance on the use	MEPC.1/Circ.90	No	Approved on 2023.7.7	Any type	Any size	Any date	Biofuels that have been certified by the CORSIA Sustainability Criteria

	of biofuels under regulations 26, 27 and 28 of MARPOL Annex VI	5		To be implemented after release				(approved by ICAO), and that provide a well-to-wake GHG emissions achieving an emissions intensity not exceeding 33 gCO <sub>2</sub> e/MJ according to that certification, may be assigned a Cf equal to the value of the well-to-wake GHG emissions of the fuel according to the certificate (expressed in gCO <sub>2</sub> eq/MJ) multiplied by its lower calorific value (LCV, expressed in MJ/g). In any case, the Cf value of a biofuel cannot be less than 0. For blends, the Cf should be based on the weighted average of the Cf for the respective amount of fuels by energy. Biofuels not certified as "sustainable" or not fulfilling the well-to-wake emission factor criterion above should be assigned a Cf equal to the Cf of the equivalent fossil fuel type.
21	Revised guidelines for the reduction of underwater radiated noise from shipping to address adverse impacts on marine life	MEPC.1/Circ.906	No	Approved on 2023.7.7 To be implemented after release	Any type	Any size	Any date	The revised guidelines specify comprehensive requirements for the reduction of underwater radiated noise from shipping to address adverse impacts on marine life, including URN Management Planning, technical and operational approaches to reduce URN of new ships and existing ships, especially emphasizing the interrelationships between energy efficiency and URN reduction and principles of applying measures (e.g. applying measures effective for GHG emission), evaluation and monitoring. CFD is recommended as ship design and technical measures for optimizing URN reduction.
22	Guidelines for underwater radiated noise reduction in Inuit Nunaat and the Arctic	MEPC.1/Circ.907	No	Approved on 2023.7.7 To be implemented after release	Any type	Any size	Any date	The guidelines contain additional considerations for underwater radiated noise reduction in Inuit Nunaat and the Arctic based on MEPC.1/Circ.906.
23	Decisions with regard to the categorization and	PPR.1/Circ.7	No	Approved on 2023.7.7 To be implemented	Applicable ship type	---	---	Revising <i>Decisions with regard to the categorization and classification of products</i> . Adding guidance on classification of mixtures containing



	classification of products			after release				components in Appendix 1 to MARPOL Annex II, cross-reference to newly approved PPR.1/Circ.9, requirements for review of products, and revising carriage requirements for methyl acrylate and methyl methacrylate
24	Operational Guide on the Response to Spills of Hazardous and Noxious Substances	IMO publication	No	Approved on 2023.7.7 To be implemented after release	Any type	---	---	The Guide consists of Volume 1 Preparedness and Volume 2 Response, applicable to preparedness in case of maritime incidents at sea or in port and first aid personnel and decision-makers involved in HNS maritime incidents.

Note: In the column “Mandatory”, “Yes” = mandatory; “No” = guidance;

In the columns “Ship size” and “Ship date”, “L” = load line length; “LBP”=length between perpendiculars;

In the column “Ship date”, “Any date”= applicable to ships built at any time; “K” = date of keel laying; “B” = date of construction; “D”= date of delivery; “C” = date of contract for construction.