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ENERGY EFFICIENCY OF SHIPS

Amendments to the 2015 industry guidelines on calculation and verification of Energy Efficiency Design Index (EEDI)

Submitted by IACS and ASEF

SUMMARY

Executive summary:	This document discusses amendments to the 2015 industry guidelines for calculation and verification of the Energy Efficiency Design Index (EEDI), and the role of the verifier in conducting the verification of EEDI
Strategic direction, if applicable:	3
Output:	3.5
Action to be taken:	Paragraph 7
Related documents:	MEPC 62/5/21; MEPC 64/4/32 MEPC 68/3/14, MEPC 64/INF.22; MEPC 68/INF.30 and MEPC 76/INF.28

Background

1 The first version of the industry guidelines, which provided the agreed procedures for the computation and verification of the EEDI to be used by the verifiers as well as the submitters when verifying and computing the EEDI, was submitted to the Committee in documents MEPC 64/4/32 and MEPC 64/INF.22 by BIMCO, CESA, IACS, ICS, INTERCARGO, INTERTANKO, ITTC, OCIMF and WSC. Those guidelines were made part of IACS procedural requirement PR 38 "Procedure for calculation and verification of the Energy Efficiency Design Index (EEDI)" applied to all cases of classification societies' involvement in conducting the survey and certification of EEDI in accordance with regulations 5, 6, 7, 8 and 9 of MARPOL Annex VI.

2 The first revision of the original industry guidelines was subsequently submitted to the Committee in 2015 as documents MEPC 68/3/14 and MEPC 68/INF.30 by IACS et al., as the "2015 industry guidelines for calculation and verification of the Energy Efficiency Design Index (EEDI)" (hereinafter "2015 industry guidelines").

3 The industry guidelines contain substantial items of the *2018 Guidelines on the method of calculation of the attained Energy Efficiency Design Index (EEDI) for new ships* (resolution MEPC.308(73)) and the *2014 Guidelines on survey and certification of the Energy Efficiency Design Index (EEDI)* (resolution MEPC.254(67)), as amended by resolutions MEPC.261(68) and MEPC.309(73)). Therefore, it became imperative to keep the industry guidelines updated each time the IMO guidelines are revised to maintain alignment of the former with the latter. In order to avoid such frequent consequential revisions and the associated administrative burden, the industry guidelines have been revised by deleting those items which are already covered by the IMO guidelines, and instead adding references to the IMO guidelines, where necessary.

4 After introducing the necessary amendments to the 2015 industry guidelines, the document was renamed as the "2020 industry guidelines for calculation and verification of the Energy Efficiency Design Index (EEDI)" (hereinafter "2020 industry guidelines").

5 The 2020 industry guidelines remain consistent with both the *2018 Guidelines on the method of calculation of the attained Energy Efficiency Design Index (EEDI) for new ships* (resolution MEPC.308(73)) and the *2014 Guidelines on survey and certification of the Energy Efficiency Design Index (EEDI)* (resolution MEPC.254(67)), as amended by resolutions MEPC.261(84) and MEPC.309(73) (see MEPC.1/Circ.855/Rev.2). The industry guidelines do not deviate from the adopted MARPOL regulations and other related IMO guidelines.

Summary of changes which appear in the 2020 industry guidelines

6 Compared with the 2015 industry guidelines, which were submitted to the Committee as an annex to document MEPC 68/INF.30, the 2020 industry guidelines introduce the following changes:

.1 deletion of items covered by the IMO guidelines and instead adding references to those IMO guidelines, as necessary;

.2 updates based on the latest IMO guidelines and references; and

.3 clarification of the application of Electric Power Table (EPT) for passenger ships and ro-ro passenger ships, in particular, in order to facilitate the consistent implementation of the IMO guidelines contained in resolution MEPC.308(73), as amended, in aspects of calculation of P_{AE} value and the use of EPT, as reflecting the industry practice.

Action requested of the Committee

7 The Committee is invited to consider the foregoing together with the 2020 industry guidelines contained in the annex to document MEPC 76/INF.28 and take action as appropriate.