

# CCS Rule Change Notice For: RULES FOR GREEN SHIPS

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#### **CONTENTS**

Appendix 1 Guidelines on the Method of Calculation of the Attained EEDI for Ships
Appendix 1-2 Guidelines on the Method of Calculation of the Attained EEDI for Seagoing Ships
Engaging on Domestic Voyage
Appendix 3 Interim Guidelines for Determining Minimum Propulsion Power to Maintain the
Manoeuvrability of Ships in Adverse Conditions
Annex Assessment Procedures to Maintain the Manoeuvrability under Adverse Conditions 1
Appendix 4 Guidelines for Verification of Basic Design of EEDI Power Curves
Chapter 3 Calculation of Power Curves Required for EEDI Technical File1

#### Appendix 1 Guidelines on the Method of Calculation of the Attained EEDI for Ships

The existing paragraph 3.6 is replaced by the following:

"3.6 The essential parameters of Vref, Capacity and P for determining EEDI for a ship are interrelated and should be consistent with each other. As for LNG carriers having diesel electric or steam turbine propulsion systems, Vref is the relevant speed at 83% of MPP<sub>Motor</sub> or MCR<sub>SteamTubine</sub> respectively."

#### Appendix 1-2 Guidelines on the Method of Calculation of the Attained EEDI for Seagoing Ships Engaging on Domestic Voyage

The existing paragraph 3.6 is replaced by the following:

"3.6 The essential parameters of Vref, Capacity and P for determining EEDI for a ship are interrelated and should be consistent with each other. As for LNG carriers having diesel electric or steam turbine propulsion systems, Vref is the relevant speed at 83% of MPP<sub>Motor</sub> or MCR<sub>SteamTubine</sub> respectively."

### Appendix 3 Interim Guidelines for Determining Minimum Propulsion Power to Maintain the Manoeuvrability of Ships in Adverse Conditions

#### Annex Assessment Procedures to Maintain the Manoeuvrability under Adverse Conditions

The Table 1.1 is replaced by the following:

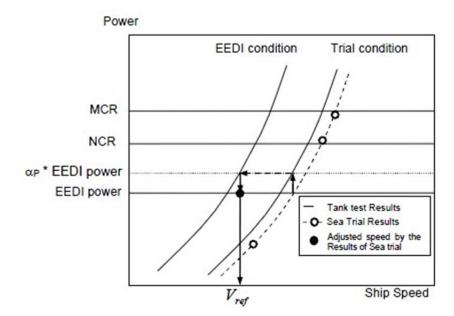
Ship type	a	b
Bulk carrier which DWT is less than 145,000	0.0763	3374.3
Bulk carrier which DWT is 145,000 and over	0.0490	7329.0
Tanker	0.0652	5960.2
Combination carrier	see tanker above	

## Appendix 4 Guidelines for Verification of Basic Design of EEDI Power Curves Chapter 3 Calculation of Power Curves Required for EEDI Technical File

The existing paragraph 3.1.2 is replaced by the following:

"The power curves are to be calculated under EEDI condition and trial condition, as shown in Figure 3.1.2."

The Figure 3.1.2 is replaced by the following:



$$\alpha_{\mathrm{P}} = \frac{\mathrm{P}_{Trial,P}}{\mathrm{P}_{Trial,S}}$$

Where:

 $\mathbf{P}_{\textit{Trial},P}$ : power at trial condition predicted by the tank tests

 $\mathbf{P}_{\textit{Trial},S}$ : power at trial condition obtained by the S/P trials

 $\alpha_{
m P}$  : power ratio