



**CCS Rule Change Notice For:  
RULES FOR GREEN SHIPS**

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## **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  $V_{ref}$ , 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,  $V_{ref}$  is the relevant speed at 83% of  $MPP_{Motor}$  or  $MCR_{SteamTurbine}$  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  $V_{ref}$ , 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,  $V_{ref}$  is the relevant speed at 83% of  $MPP_{Motor}$  or  $MCR_{SteamTurbine}$  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                                   | <i>a</i>         | <i>b</i> |
|---------------------------------------------|------------------|----------|
| 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 |          |

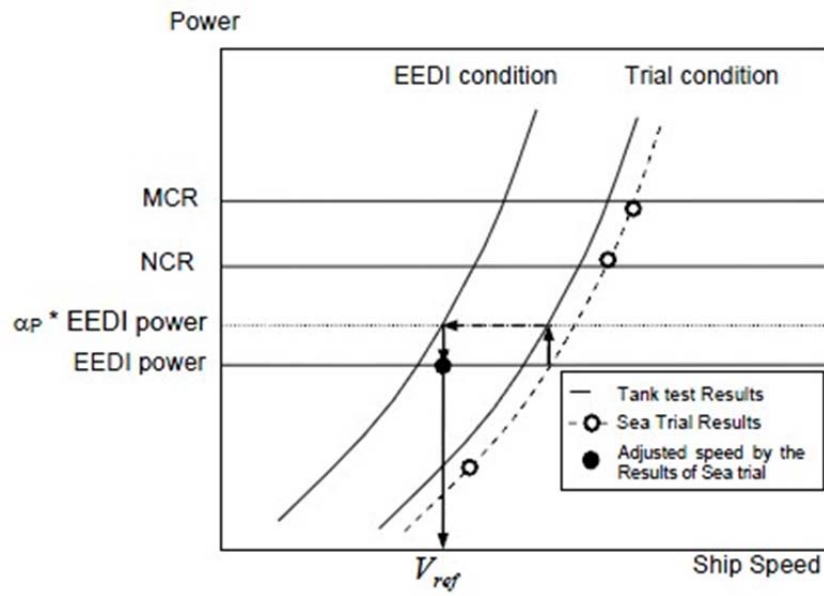
## **Appendix 4 Guidelines for Verification of Basic Design of EEDI Power Curves**

### **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:



$$\alpha_p = \frac{P_{Trial,P}}{P_{Trial,S}}$$

Where:

$P_{Trial,P}$  : power at trial condition predicted by the tank tests

$P_{Trial,S}$  : power at trial condition obtained by the S/P trials

$\alpha_p$  : power ratio