

## **Notice of Shanghai Maritime Administration on the Verification of the Ship Energy Efficiency Management Plan (SEEMP)**

SEEMP verification of ships of Chinese nationality sailing internationally will be carried out based on “Regulation on the Management of Energy Consumption Data and Carbon Intensity of Ships” in order to meet the requirements for the establishment and verification of Ship Energy Efficiency Management Plan (SEEMP) revised in MARPOL Annex VI in 2021.

Shanghai Maritime Safety Administration of PRC  
November 11, 2022

### **Ship Energy Efficiency Management Plan (SEEMP)**

From 1 January 2023, ships of 5,000 GT (Gross Tonnage) and above must have a verified Ship Energy Efficiency Management Plan, or SEEMP Part III, on board to document how their vessel plans to achieve its Carbon Intensity Indicator (CII) targets.

In November, 2022, “Regulation on the Management of Energy Consumption Data and Carbon Intensity of Ships” issued by China Maritime Safety Administration clarified the requirements for data collection of energy consumption and carbon intensity management of ships, and granted Shanghai Maritime Safety Administration to take charge in the verification of SEEMP and issuing of COC to ships of Chinese nationality sailing internationally.

### **What is SEEMP?**

SEEMP is a requirement of the revised MARPOL Annex VI which formally enters force in November 2022 with the aim of reducing the carbon intensity of shipping. It includes three aspects: 1) a guidance to shipowners and operators on how they can improve their vessels’ efficiency and achieve its CII targets; 2) a description of how shipowners and operators will collect and report the data of their vessels; 3) a description of how the vessel will operate and maintain its fuel efficiency throughout the year in line with its overall targets of CII.

### **What are the requirements of SEEMP?**

SEEMP Part I has been a requirement since 2013 for all internationally trading ships over 400 GT.

SEEMP Part II has been a requirement since 2019, for ships of 5000 GT and above, and relates to the IMO DSC requirements, and is required to be issued with a Confirmation of Compliance (COC).

SEEMP Part III will be a requirement from January 1, 2023, for ships of 5000 GT and above, and is required to be issued with a verified SEEMP Part I, SEEMP Part II and its COC, and a COC of SEEMP Part III.

### **Which ships does this apply to?**

The SEEMP Part III applies to any ship on international voyages of 5,000GT and above,

and is one of the following ship types defined in MARPOL Annex VI, Regulation 2:

- Bulk carrier
- Tanker
- Container ship
- General cargo ship
- Ro-ro cargo ship
- Gas carrier
- LNG carrier
- Ro-ro cargo ship (vehicle carrier)
- Ro-ro passenger ship
- Combination carrier
- Cruise passenger ship
- Refrigerated cargo carrier

### **How to establish SEEMP Part III?**

SEEMP Part III shall be established in accordance with the “Guidelines for the Establishment of the SEEMP for 2022” and the “Template of SEEMP Part III”. For vessels requiring revisions of its annual energy consumption data, the data collection methods related to voyage adjustment and energy consumption revision shall be listed. If this is not specified, the annual energy consumption data verification and CII rating shall not be accepted.

### **What changes should be made to the existing SEEMP?**

Shipowners and operators shall have self-examination of SEEMP Part I and Part II on their vessels. If it meets the standards, the SEEMP verified by and COC issued by CCS remain valid; otherwise, the SEEMP should be revised according to the “Guidelines for the Establishment of the SEEMP for 2022”.

SEEMP Part II for cargo ships, for example, LNG carriers and methanol carriers, should be revised. The revised SEEMP shall complete its verification and get COC before January 1, 2023, which should be kept onboard.

### **What are the verification types of SEEMP?**

Ships conforming to the following conditions shall apply to Shanghai Maritime Safety Administration for SEEMP verification:

SEEMP Part I, Part II

Before operation; with major renovation; with a change to the shipowner, operator or manager responsible for the safe operation of the ship and the management and control of pollution; with the nationality converted from foreign into Chinese; other cases.

SEEMP Part III

1. Initial verification: same as that of SEEMP Part I, Part II
2. Periodic verification: voluntarily updating SEEMP or requiring to update SEEMP rating at least every two years
3. Additional verification: problems occurred in the review of the implementation of

SEEMP by the authority; obtaining E in annual CII or D for three consecutive years  
Periodic verification shall be applied to Shanghai Maritime Safety Administration  
within three months prior to the end of the SEEMP Three-Year Implementation Plan;  
ships with E in annual CII or D for three consecutive years shall improve the action plan  
with feasibility and integrate it into SEEMP, and apply to Shanghai Maritime Safety  
Administration before April 30 of the rating year.

**What do I need to do now?**

It is required to develop a new SEEMP Part III Ship Operational Carbon Intensity Plan  
and submit it to <https://www.sh.msa.gov.cn/Seecc>. Materials which should be  
submitted and approved by Shanghai Maritime Safety Administration are as follows:

附件 3:

《船舶能效管理计划》验证材料清单

基本材料	
1	《〈船舶能效管理计划〉验证申请书》
2	《船舶能效管理计划》
3	《船舶国籍证书》
4	《国际能效证书》
5	《客船安全证书》或《货船（构造）安全证书》
6	《稳性手册》（至少包含船舶基本信息和载重吨页）
7	《船舶总布置图》
8	《船舶安全管理证书》
9	《船舶入级证书》
10	船舶主机和其他燃油消耗设备型式认可证书（如主机、副机、锅炉、惰性气体发生器等）
11	船舶试航报告（至少包含船舶基本信息和服务航速页）
附加材料	
12	《高速船安全证书》（适用于 SOLAS 第 X 章的高速滚装客船）；
13	SEEMP 引用的《船舶安全管理体系程序或须知文件》（适用于 SEEMP 内有引用）
14	整改行动计划可行性评估报告（适用于年度营运碳强度评定为 E 或三年连续为 D 船舶的附加验证）
15	二氧化碳排放监测设备的技术资料（如有）
16	燃油消耗监测设施设备技术资料（如有）
17	航行距离监测设施设备技术资料（如有）
18	航行时间监测设施设备技术资料（如有）
19	年度营运碳强度指标计算相关修正涉及的设施设备技术资料（如有）： （1）穿梭油轮的证明材料 （2）船对船（STS）过驳作业计划 （3）EEDI/EEXI 技术案卷 （4）电能计量设备、气体运输船和液化天然气运输船上货物冷却/再液化系统、液货船电动卸货泵、对货物加热和蒸汽驱动货油泵的锅炉、液货船具有独立发电机的卸货泵的类型认可证书及使用说明书等技术资料；
20	委托证明及委托人和被委托人身份证明（委托时）
21	主管机关要求的其他相关材料

**What are the operational processes of the ship energy consumption data and SEEMP?**

- 1) Company registration
- 2) Vessel management
- 3) Shipowner user management
- 4) SEEMP application, filling-in and submission
- 5) SEEMP supplement or corrections
- 6) Certificate obtained