

一、二等船長：First and second class captains  
 一、二等大副：First and second class chief officers  
 一、二等船副：First and second class officers  
 三等船長：Third class captain  
 三等船副：Third class officer  
 航海實習生：Nautical intern  
 一、二等輪機長：First and second class chief engineers  
 一、二等大管輪：First and second class second engineers  
 一、二等管輪：First and second class engineers  
 電技員：Electric technician

三等輪機長：Third class chief engineers  
 三等管輪：Third class engineers  
 輪機/電技實習生：Engineer/Electric technician intern  
 甲板助理員：Deck assistant  
 輪機助理員：Engineer assistant  
 助理級航行當值：Assistant level sailing on duty  
 助理級輪機當值：Assistant level engineer on duty  
 泵匠：Pump technician  
 電技匠：Electric technician  
 乙級船員：Class B crew

## Annex 1

The crew members of each rank in Annex I shall be subject to professional training programs in accordance with the 2010 amendments to the STCW Convention.

項次 Items	職務 Duties 訓練項目 Training programs	一、二等船長	一、二等大副	一、二等船副	三等船長	三等船副	航海實習生	一、二等輪機長	一、二等大管輪	一、二等管輪	電技員	三等輪機長	三等管輪	輪機／電技實習生	甲板助理員	輪機助理員	助理級航行當值	助理級輪機當值	泵匠	電技匠	乙級船員
1	電子海圖顯示與資訊系統 (ECDIS) Electronic chart display and information system	✓	✓	✓																	
2	領導統御與駕駛臺資源管理 Leadership and bridge resource management	✓	✓	✓																	
3	操作級雷達及 ARPA Radar navigation, radar plotting and use of ARPA	✓	✓	✓			✓														
4	管理級雷達及 ARPA Radar, ARPA, bridge teamwork and search and rescue	✓	✓																		
5	助理級航行當值 Rating forming part of a navigational watch																✓				
6	甲板助理員 Able seafarer deck														✓						
7	領導統御與機艙資源管理 Leadership and engine-room resource management							✓	✓	✓	✓										
8	助理級輪機當值 Rating forming part of an engine -room watch																	✓		✓	
9	輪機助理員 Able seafarer engine															✓					
10	電技匠 Electro-technical rating																			✓	
11	通用級 GMDSS 值機員 General operator' s certificate for GMDSS	✓	✓	✓	○	○	✓														
12	限用級 GMDSS 值機員 Restricted operator' s certificate for GMDSS				✓	✓															
13	油輪與化學液體船貨物操作基本訓練 Basic training for oil and chemical tanker cargo operations	△	△	△	△	△		△	△	△	△	△	△		△	△	△	△	△	△	△

一、二等船長：First and second class captains  
 一、二等大副：First and second class chief officers  
 一、二等船副：First and second class officers  
 三等船長：Third class captain  
 三等船副：Third class officer  
 航海實習生：Nautical intern  
 一、二等輪機長：First and second class chief engineers  
 一、二等大管輪：First and second class second engineers  
 一、二等管輪：First and second class engineers  
 電技員：Electric technician

三等輪機長：Third class chief engineers  
 三等管輪：Third class engineers  
 輪機/電技實習生：Engineer/Electric technician intern  
 甲板助理員：Deck assistant  
 輪機助理員：Engineer assistant  
 助理級航行當值：Assistant level sailing on duty  
 助理級輪機當值：Assistant level engineer on duty  
 泵匠：Pump technician  
 電技匠：Electric technician  
 乙級船員：Class B crew

項次 Items	職務 Duties 訓練項目 Training programs	一、二等船長	一、二等大副	一、二等船副	三等船長	三等船副	航海實習生	一、二等輪機長	一、二等大管輪	一、二等管輪	電技員	三等輪機長	三等管輪	輪機／電技實習生	甲板助理員	輪機助理員	助理級航行當值	助理級輪機當值	泵匠	電技匠	乙級船員
14	油輪貨物操作進階訓練 Advanced training for oil tanker cargo operations	△	△					△	△										△		
15	化學液體船貨物操作進階訓練 Advanced training for chemical tanker cargo operations	△	△					△	△										△		
16	液化氣體船貨物操作基本訓練 Basic training for liquefied gas tanker cargo operations	△	△	△	△	△		△	△	△	△	△	△		△	△	△	△	△	△	△
17	液化氣體船貨物操作進階訓練 Advanced training for liquefied gas tanker cargo operations	△	△					△	△										△		
18	客船訓練 (包含群眾管理訓練、安全訓練、危機處理及行為管理訓練) Passenger ships (Crowd management training, Safety training, Crisis management and human behaviour training)	△	△	△				△	△	△	△				△	△	△	△		△	△
19	駛上駛下客船訓練 (包含群眾管理訓練、安全訓練、危機處理及行為管理訓練、旅客安全及貨物安全與船體完整性訓練) Ro-Ro passenger ships (Crowd management training, Safety training, Crisis management and human behavior training, Passenger safety, cargo safety and hull integrity training)	△	△	△				△	△	△	△				△	△	△	△		△	△
20	IGF 章程基本訓練 Basic training for ships subject to the IGF Code	△	△	△	△			△	△	△		△	△			△		△	△		
21	IGF 章程進階訓練 Advanced training for ships subject to the IGF Code	△			△			△	△	△		△	△								

一、二等船長：First and second class captains  
 一、二等大副：First and second class chief officers  
 一、二等船副：First and second class officers  
 三等船長：Third class captain  
 三等船副：Third class officer  
 航海實習生：Nautical intern  
 一、二等輪機長：First and second class chief engineers  
 一、二等大管輪：First and second class second engineers  
 一、二等管輪：First and second class engineers  
 電技員：Electric technician

三等輪機長：Third class chief engineers  
 三等管輪：Third class engineers  
 輪機/電技實習生：Engineer/Electric technician intern  
 甲板助理員：Deck assistant  
 輪機助理員：Engineer assistant  
 助理級航行當值：Assistant level sailing on duty  
 助理級輪機當值：Assistant level engineer on duty  
 泵匠：Pump technician  
 電技匠：Electric technician  
 乙級船員：Class B crew

項次 Items	職務 Duties 訓練項目 Training programs	一、二等船長	一、二等大副	一、二等船副	三等船長	三等船副	航海實習生	一、二等輪機長	一、二等大管輪	一、二等管輪	電技員	三等輪機長	三等管輪	輪機／電技實習生	甲板助理員	輪機助理員	助理級航行當值	助理級輪機當值	泵匠	電技匠	乙級船員
22	船舶極區水域營運基本訓練 Basic training for ships operating in polar waters	△	△	△																	
23	船舶極區水域營運進階訓練 Advanced training for ships operating in polar waters	△	△																		
24	基本安全訓練 (包含人員求生技能、防火及基礎滅火、基礎急救、人員安全及社會責任) Basic training (Personal survival techniques, Fire prevention and basic fire fighting, Elementary first aids, Personal safety and social responsibility)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	救生艇筏及救難艇操縱 Proficiency in survival craft and rescue boats	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
26	快速救難艇 Proficiency in fast rescue boat	△	△	△				△	△	△	△				△	△	△	△		△	△
27	進階滅火 Advanced fire fighting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
28	醫療急救 Medical first aid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓							
29	船上醫護 Medical care	✓	✓																		
30	船舶保全人員 Ship security officer	◎	◎																		
31	保全意識 Security awareness training	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32	保全職責 Security training for seafarers with designated security duties	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
33	高速船型式等級訓練 High speed craft type rating training	△	△	△	△	△		△	△	△	△	△	△								
34	高速船基本訓練 High speed craft basic training														△	△	△	△		△	△

一、二等船長：First and second class captains  
 一、二等大副：First and second class chief officers  
 一、二等船副：First and second class officers  
 三等船長：Third class captain  
 三等船副：Third class officer  
 航海實習生：Nautical intern  
 一、二等輪機長：First and second class chief engineers  
 一、二等大管輪：First and second class second engineers  
 一、二等管輪：First and second class engineers  
 電技員：Electric technician

三等輪機長：Third class chief engineers  
 三等管輪：Third class engineers  
 輪機/電技實習生：Engineer/Electric technician intern  
 甲板助理員：Deck assistant  
 輪機助理員：Engineer assistant  
 助理級航行當值：Assistant level sailing on duty  
 助理級輪機當值：Assistant level engineer on duty  
 泵匠：Pump technician  
 電技匠：Electric technician  
 乙級船員：Class B crew

項次 Items	職務 Duties 訓練項目 Training programs	一、二等船長	一、二等大副	一、二等船副	三等船長	三等船副	航海實習生	一、二等輪機長	一、二等大管輪	一、二等管輪	電技員	三等輪機長	三等管輪	輪機／電技實習生	甲板助理員	輪機助理員	助理級航行當值	助理級輪機當值	泵匠	電技匠	乙級船員
35	客船安全訓練 Passenger ships safety training	△	△	△	△	△		△	△	△	△	△	△		△	△	△	△		△	△

# 1. Annotation of symbols :

✓ : Training programs mandatory for crew members of all ranks.

○ : The third-class captain and the ship's deputy can choose to participate according to their own needs.

△ : Training programs to be completed by crew members on special ships.

◎ : Training programs to be completed by crew members who are assigned for ship security.

# 2. Remarks :

Professional training programs of item numbers 11、13-19、22、23、25、26、30-35 will be further noted to explain the qualifications of the crew for program participation.

Note :

Item	Training program	Explanation
11	General operator' s certificate for GMDSS	Third-class captain and officer can choose to participate in item 11 of the training programs “General operator’ s certificate for GMDSS” in accordance with their own needs, to replace item 12 “Restricted operator’ s certificate for GMDSS” .
13	Basic training for oil and chemical tanker cargo operation	Personnel employed on tanker and chemical liquid vessels may be exempted from training if they are not assigned to perform duties related to liquid cargo or liquid cargo equipment.
14	Advanced training for oil tanker cargo operations	Employed to be the captain, chief officer, chief engineer, second engineer and pumper of the tanker with a gross tonnage of more than 500. However, other Class A crew members and Class B crew members with qualifications are allowed to participate in the training according to their own or the shipping company's business needs.
15	Advanced training for chemical tanker cargo operations	Employed to be the captain, chief officer, chief engineer, second engineer and pumper of the chemical liquid vessel with a gross tonnage of more than 500. However, other Class A crew members and Class B crew members with qualifications may participate in the training according to their own or the shipping company's business needs.

一、二等船長：First and second class captains  
 一、二等大副：First and second class chief officers  
 一、二等船副：First and second class officers  
 三等船長：Third class captain  
 三等船副：Third class officer  
 航海實習生：Nautical intern  
 一、二等輪機長：First and second class chief engineers  
 一、二等大管輪：First and second class second engineers  
 一、二等管輪：First and second class engineers  
 電技員：Electric technician

三等輪機長：Third class chief engineers  
 三等管輪：Third class engineers  
 輪機/電技實習生：Engineer/Electric technician intern  
 甲板助理員：Deck assistant  
 輪機助理員：Engineer assistant  
 助理級航行當值：Assistant level sailing on duty  
 助理級輪機當值：Assistant level engineer on duty  
 泵匠：Pump technician  
 電技匠：Electric technician  
 乙級船員：Class B crew

16	Basic training for liquefied gas tankers cargo operation	Personnel employed in the affairs of a liquefied gas carrier may be exempted from training if they are not assigned to perform duties related to liquid cargo or liquid cargo equipment.
17	Advanced training for liquefied gas tanker cargo operations	Employed to be the captain, chief officer, chief engineer, second engineer and pumper of the liquefied gas carrier with a gross tonnage of more than 500. However, other Class A crew members and Class B crew members with qualifications may participate in the training according to their own or the shipping company's business needs.
18	Passenger ships (Crowd management training, Safety training, Crisis management and human behavior training)	1. All crew members employed to work on passenger ships with a gross tonnage of more than 500 or sailing between direct ports cross strait of more than 556 Kilometers. All crew members employed to work on the passenger ship. 2. The ones who have the certificate of the "Ro-Ro passenger ships" will be exempted from training.
19	Ro-Ro passenger ships (Crowd management training, Safety training, Crisis management and human behavior training, Passenger safety, cargo safety and hull integrity training)	All crew members employed to work on Ro-Ro passenger ships with a gross tonnage of more than 500, or sailing between the direct ports cross strait of more than 300 miles. All crew members employed to work on the passenger ship.
22、23	Basic training for ships operating in polar waters and Advanced training for ships operating in polar waters	This training is carried out on July 1, 2018 in accordance with the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers.
25	Proficiency in survival craft and rescue boats	1. This training may be exempted if the personnel under the general affairs department are not assigned to discharge or operate the lifeboat and rescue boat. However, due to the business needs of oneself or the shipping company, one may be permitted to participate in this training. 2. For third class officer, third class engineer, assistant level sailing on duty, assistant level engineer on duty, the nautical intern, engineer intern and electric technician intern, etc., this training certificate can

一、二等船長：First and second class captains  
 一、二等大副：First and second class chief officers  
 一、二等船副：First and second class officers  
 三等船長：Third class captain  
 三等船副：Third class officer  
 航海實習生：Nautical intern  
 一、二等輪機長：First and second class chief engineers  
 一、二等大管輪：First and second class second engineers  
 一、二等管輪：First and second class engineers  
 電技員：Electric technician

三等輪機長：Third class chief engineers  
 三等管輪：Third class engineers  
 輪機/電技實習生：Engineer/Electric technician intern  
 甲板助理員：Deck assistant  
 輪機助理員：Engineer assistant  
 助理級航行當值：Assistant level sailing on duty  
 助理級輪機當值：Assistant level engineer on duty  
 泵匠：Pump technician  
 電技匠：Electric technician  
 乙級船員：Class B crew

		be replaced by the training certificate issued by the domestic crew training institution, or the training certificate or the certified document of the domestic maritime school's department of navigation and the practice training results.
26	Proficiency in fast rescue boat	All crew members employed to work in a gross tonnage of more than 500 which is equipped with fast rescue boat equipment. However, if the personnel of the Ministry of Affairs are not assigned to discharge or operate the duties related to the fast rescue boat, they may be granted exemption from training.
30	Ship security officer	Captain or chief officer of a ship employed to sail in international route with a gross tonnage of more than 500, designated by the shipping company as ship security personnel. However, other first class and second class' s Class A crew members may participate in this training due to their own needs or the shipping company' s business needs.
31	Security awareness training	If you have a "Ship security officer" or " Security training for seafarers with designated security duties " certificate, you are exempt from this training.
32	Security training for seafarers with designated security duties	1. A Class A crew member who is employed to work on a ship with a total tonnage of more than 500 tons on international sailing routes, designated by the shipping company as a ship maintenance officer. However, Class B crew members may participate in this training due to their own or the shipping company business needs. 2. Those who have the " Ship security officer " certificate are exempt from training.
33、34	High speed craft type rating training and High speed craft basic training	If the employed seafarer is not able to participate in these two trainings due to the manpower dispatch on board, the seafarer must provide within six months from the date of the appointment a supporting document from the captain explaining that the captain has already complied with Chapter 18 of the international Charter for the safety of High-speed boats, in which the "Operational Requirements" of Section 18.3, "Training and Qualifications" , Section 18.3.6 of the International Regulations for the Safety of Ships, provides for the training of the seafarers under 18.3.3.6 to 18.3.3.12. The explanation and training certification documents should be provided to the navigation authority for approval of the exemption.

一、二等船長：First and second class captains  
 一、二等大副：First and second class chief officers  
 一、二等船副：First and second class officers  
 三等船長：Third class captain  
 三等船副：Third class officer  
 航海實習生：Nautical intern  
 一、二等輪機長：First and second class chief engineers  
 一、二等大管輪：First and second class second engineers  
 一、二等管輪：First and second class engineers  
 電技員：Electric technician

三等輪機長：Third class chief engineers  
 三等管輪：Third class engineers  
 輪機/電技實習生：Engineer/Electric technician intern  
 甲板助理員：Deck assistant  
 輪機助理員：Engineer assistant  
 助理級航行當值：Assistant level sailing on duty  
 助理級輪機當值：Assistant level engineer on duty  
 泵匠：Pump technician  
 電技匠：Electric technician  
 乙級船員：Class B crew

35	Passenger Ships Safety Training	<ol style="list-style-type: none"> <li>1. Class A and Class B crews employed to work in passenger vessels with a gross tonnage of more than 20 and less than 500 tons, sailing domestic routes or directly cross strait between shipping ports that are less than 300 miles apart.</li> <li>2. The ones having "Passenger Ships" or "Ro-Ro passenger ships " certificate will be exempted from training. However, Class A crew members in the deck department are required to complete training courses such as maritime meteorology and ship maneuvering; if passenger ships are equipped with night-time equipment, they should complete the training course for the operation of night-time equipment. If the crew has a certificate of first or second class captain or the certificate of competency of chief officer, he is not subject to the above three training courses.</li> </ol>
----	------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------