



ပြည်ထောင်စုသမ္မတ မြန်မာနိုင်ငံတော် အစိုးရ
 ပို့ဆောင်ရေးဝန်ကြီးဌာန
 ရေကြောင်းပို့ဆောင်ရေးညွှန်ကြားမှုဦးစီးဌာန

အမိန့်ကြော်ငြာစာအမှတ် ၄ / ၂၀၁၂

၁၃၇၄ ခုနှစ်၊ တော်သလင်းလဆန်း ၆ ရက်
 (၂၀၁၂ ခုနှစ်၊ စက်တင်ဘာလ ၂၁ ရက်)

သင်္ဘောသားများ၏တတ်ကျွမ်းမှု လက်မှတ်များအတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့်
 စာမေးပွဲစစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များကို သတ်မှတ်ခြင်း

၁။ ရေကြောင်းပို့ဆောင်ရေး ညွှန်ကြားမှုဦးစီးဌာနသည် မြန်မာနိုင်ငံ ကုန်သည်သင်္ဘော အက်ဥပဒေ ပုဒ်မ ၂၉၄၊ ပုဒ်မခွဲ(ခ)နှင့် ရေယာဉ်မှူး၊ အရာရှိများနှင့် သင်္ဘောသားများ၏ ကျွမ်းကျင်မှုနှင့် တတ်ကျွမ်းမှုလက်မှတ်များ ထုတ်ပေးခြင်းဆိုင်ရာ နည်းဥပဒေများ၏ အခန်း (၄)ပါ ပြဋ္ဌာန်းချက်များအရ အပ်နှင်းထားသော လုပ်ပိုင်ခွင့်ကို ကျင့်သုံး၍ ပို့ဆောင်ရေးဝန်ကြီးဌာန၏ သဘောတူညီချက်ဖြင့် ဤအမိန့်ကြော်ငြာစာကို ထုတ်ပြန်လိုက်သည်။

၂။ သင်္ဘောသားများ၏ အောက်ပါ တတ်ကျွမ်းမှုလက်မှတ်များအတွက် လေ့ကျင့်သင်ကြားခြင်း နှင့် စာမေးပွဲစစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များကို International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW), 1978 as amended including 2010 Manila Amendments နှင့်အညီ ယှဉ်တွဲပါ နောက်ဆက်တွဲများတွင် ဖော်ပြထားသည့်အတိုင်း သတ်မှတ်လိုက်သည် -

- (က) ကုန်းပတ်ဆိုင်ရာ အခြားအဆင့် သင်္ဘောသားများ အလှည့်ကျ - ANNEX (A)
 စောင့်ကြပ်နိုင်သည့် တတ်ကျွမ်းမှုလက်မှတ် (Certificate of Proficiency for Rating forming Part of a Navigational Watch) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲစစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ
- (ခ) ကုန်းပတ်ဘက်ဆိုင်ရာ အဆင့်မြင့် သင်္ဘောသား တတ်ကျွမ်းမှု - ANNEX (B)
 လက်မှတ် (Certificate of Proficiency for Rating as Able Seafarer Deck) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲစစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ
- (ဂ) အခြေခံဆီတင်သင်္ဘောတတ်ကျွမ်းမှုလက်မှတ် (Certificate of Proficiency in Basic Training for Oil and Chemical Tanker Cargo Operation) အတွက် လေ့ကျင့်သင်ကြားခြင်း နှင့် စာမေးပွဲစစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (C)

- (ဃ) အဆင့်မြင့်ဆီတင်သင်တန်းတတ်ကျွမ်းမှုလက်မှတ် (Certificate of Proficiency in Advanced Training for Oil Tanker Cargo Operation) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (D)
- (င) အဆင့်မြင့် ဓာတုဆီတင်သင်တန်း တတ်ကျွမ်းမှုလက်မှတ် (Certificate of Proficiency in Advanced Training for Chemical Tanker Cargo Operation) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (E)
- (စ) အခြေခံဓာတ်ငွေ့တင်သင်တန်းတတ်ကျွမ်းမှုလက်မှတ် (Certificate of Proficiency in Basic Training for Liquefied gas Tanker Cargo Operation) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲစစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (F)
- (ဆ) အဆင့်မြင့် ဓာတ်ငွေ့တင်သင်တန်း တတ်ကျွမ်းမှုလက်မှတ် (Certificate of Proficiency in Advanced Training for Liquefied gas Tanker Cargo Operation) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (G)
- (ဇ) လူစုလူဝေးအား စီမံခန့်ခွဲမှု သက်သေခံလက်မှတ် (Crowd Management Documentary Evidence) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (H)
- (ဈ) ပင်လယ်ပြင် ဘေးကင်းစေရေး အကျွမ်းဝင်မှုရှိကြောင်းနှင့် အခြေခံ လေ့ကျင့်ခန်းများ တတ်ကျွမ်းမှု လက်မှတ် (Certificate of Proficiency in Safety Familiarization and Basic Training) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (I)
- (ည) အသက်ကယ်လှေနှင့် ကယ်ဆယ်ရေးလှေ (အမြန်ကယ်ဆယ်ရေး လှေမပါဝင်) ကျွမ်းကျင်စွာ အသုံးပြု ထိန်းသိမ်းမောင်းနှင်နိုင်ကြောင်း ထုတ်ပေးသည့် တတ်ကျွမ်းမှုလက်မှတ် (Proficiency in Survival Craft and Rescue Boat other than Fast Rescue Boat Certificate of Proficiency) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (J)

- (င) အမြန်တယ်ဆယ်ရေးလှေ ကျွမ်းကျင်စွာ အသုံးပြု ထိန်းသိမ်းမောင်းနှင်နိုင်ကြောင်းထုတ်ပေးသည့်တတ်ကျွမ်းမှုလက်မှတ် (Proficiency in Fast Rescue Boat Certificate of Proficiency) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲစစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (K)
- (ဌ) ရှေးဦးသူနာပြု တတ်ကျွမ်းမှုလက်မှတ် (Medical First Aid Certificate of Proficiency) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (L)
- (ဍ) ကျန်းမာရေးစောင့်ရှောက်ခြင်း တတ်ကျွမ်းမှုလက်မှတ် (Medical Care Certificate of Proficiency) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (M)
- (ဎ) သင်္ဘောလုံခြုံရေးအရာရှိ တတ်ကျွမ်းမှုလက်မှတ် (Ship Security Officer Certificate of Proficiency) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (N)
- (ဏ) သင်္ဘောလုံခြုံရေးအသိပညာပေး တတ်ကျွမ်းမှုလက်မှတ် (Ship Security Awareness Certificate of Proficiency) အတွက် လေ့ကျင့် သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (O)
- (တ) သင်္ဘောလုံခြုံရေးတာဝန်ကျ တတ်ကျွမ်းမှုလက်မှတ် (Designated Security Duties Certificate of Proficiency) အတွက် လေ့ကျင့် သင်ကြားခြင်းနှင့် စာမေးပွဲစစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (P)
- (ထ) ကုန်းပတ်ကျွမ်းကျင်မှု သင်္ဘောသား တတ်ကျွမ်းမှုလက်မှတ် (Efficient Deck Hand Certificate of Proficiency) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (Q)
- (ဒ) စက်ခန်းကျွမ်းကျင်မှု သင်္ဘောသားတတ်ကျွမ်းမှုလက်မှတ် (Ratings forming part of a watch in Engine-room Certificate of Proficiency) အတွက် လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန် ချက်များ - ANNEX (R)

- (ခ) စက်ခန်းကျွမ်းကျင်မှု သင်တန်းသားတတ်ကျွမ်းမှုလက်မှတ် (Ratings forming part of a watch in Engine-room Certificate of Proficiency) အတွက် စက်ခန်းလုပ်သက်ရှိသူများအား လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (S)
- (န) စက်မှုဘက်ဆိုင်ရာ အဆင့်မြင့် သင်တန်းသားတတ်ကျွမ်းမှုလက်မှတ် (Certificate of Proficiency for Ratings as Able Seafarer Engine) အတွက်လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (T)
- (ပ) လျှပ်စစ်နည်းပညာသင်တန်းသားများအတွက် တတ်ကျွမ်းမှုလက်မှတ် (Certificate of Proficiency for Electro- Technical Rating) အတွက်လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်းဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (U)
- (ဖ) အဆင့်မြင့် ကျွမ်းကျင်စွာ မီးငြိမ်းသတ်နိုင်ကြောင်း ထုတ်ပေးသည့် တတ်ကျွမ်းမှုလက်မှတ် (Advanced Fire Fighting Certificate of Proficiency) အတွက်လေ့ကျင့်သင်ကြားခြင်းနှင့် စာမေးပွဲ စစ်ဆေးခြင်း ဆိုင်ရာ လမ်းညွှန်ချက်များ - ANNEX (V)

(ပုံ) မောင်မောင်ဦး
ညွှန်ကြားရေးမှူးချုပ်
ရေကြောင်းပို့ဆောင်ရေးညွှန်ကြားမှုဦးစီးဌာန
ပို့ဆောင်ရေးဝန်ကြီးဌာန

စာအမှတ်၊ အမိန့်ကြော်ငြာစာ/ရညန/ ရက်စွဲ၊ ၂၀၁၂ ခုနှစ်၊ စက်တင်ဘာလ ရက်

ဖြန့်ဝေခြင်း

မြန်မာနိုင်ငံရေကြောင်းပညာတက္ကသိုလ်
 မြန်မာနိုင်ငံ ကုန်သွယ်ရေးကြောင်းကောလိပ်
 မြန်မာနိုင်ငံပင်လယ်ကူးသင်္ဘောသားအလုပ်သမားများအဖွဲ့ချုပ် (MSF)
 ရေကြောင်းဘက်ဆိုင်ရာ သင်တန်းဌာနများ
 ဦးဆောင်ညွှန်ကြားရေးမှူး } မြန်မာနိုင်ငံ ပြန်တမ်းအပိုင်း (၁)တွင် ထည့်သွင်း ကြေညာ
 ပုံနှိပ်ရေးနှင့် စာအုပ်ထုတ်ဝေရေးလုပ်ငန်း } ပေးပါရန် မေတ္တာရပ်ခံချက်ဖြင့် ပေးပို့ပါသည်။

မိတ္တူကိုင်-

ပို့ဆောင်ရေးဝန်ကြီးဌာန

**Guidance of Maritime Education, Training and Examination for
Ratings forming part of a Navigational Watch
(STCW Convention 1978, as amended, Regulation II/4)**

The Rating forming part of a Navigational Watch course for seafarers who is designated to perform the navigation function at the support level consists of practical training, theory lectures, written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) have approved seagoing service including not less than six months after holding of Certificate of Proficiency in safety familiarization and basic training issued by Department of Marine Administration
 - (B) have completed the training courses for 1 week conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-II/4, paragraph 1 to 4 of the STCW Code

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Ratings Forming Part of a Navigational Watch Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
RATINGS FORMING PART OF A NAVIGATIONAL WATCH**

No.	Subjects	Examination	Teaching hours	Total weeks
1.	Steer the ship and also comply with helm orders in the English Language	Assessment	Based on IMO Model Course	
2.	Keep a proper look-out by sight and hearing	Assessment	Based on IMO Model Course	
3.	Contribute to monitoring and controlling a safe watch	Assessment	Based on IMO Model Course	
4.	Operate emergency equipment and apply emergency procedures	Assessment	Based on IMO Model Course	
Total 38 hours				1 week

**MODE AND MARKING SYSTEM FOR
RATINGS FORMING PART OF A NAVIGATIONAL WATCH**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Ratings Forming Part of a Navigational watch	Training Centre's Written Exam	2 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Ratings as Able Seafarer Deck
(STCW Convention 1978, as amended, Regulation II/5)**

The Rating as Able Seafarer Deck course for seafarers who is designated to perform the function at the support level, as specified in section A-II/5, consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) Have approved seagoing service including not less than 18 months after holding of Ratings forming part of a navigational watch Certificate of Proficiency.
 - (B) have completed the training courses for 2 weeks conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-II/5, paragraph 1 to 3 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Ratings as Able Seafarer Deck Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
RATINGS AS ABLE SEAFARER DECK**

No.	Subjects	Examination	Teaching hours	Total weeks
1.	Contribute to a safe navigational watch	Assessment		
2.	Contribute to berthing, anchoring and other mooring operations	Assessment		
3.	Contribute to the handling of cargo and stores	Assessment		
4.	Contribute to the safe operation of deck equipment and machinery	Assessment		
5.	Apply occupational health and safety precautions	Assessment		
6.	Apply precautions and contribute to the prevention of pollution of the marine environment	Assessment		
7.	Operate survival craft and rescue boats	Assessment		
8.	Contribute to shipboard maintenance and repair	Assessment		
Total				2 weeks

**MODE AND MARKING SYSTEM FOR
RATINGS AS ABLE SEAFARER DECK**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Ratings as Able seafarer deck	Training Centre's Written Exam	2 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Certificate of Proficiency in Basic Training for
Oil and Chemical Tanker Cargo Operations
(STCW Convention 1978, as amended, Regulation V/1-1-1)**

The Basic Training for oil and chemical tanker cargo operations course for every seafarers who are assigned specific duties and responsibilities related to cargo including characteristics of tanker cargoes, their associated hazards, safety measures, pollution prevention, emergency operations, cargo equipment and operations on oil and chemical tankers, consists of practical training, theory lectures, **Written** examinations in the training centre.

1. Every candidate for certification shall:
 - (A) hold the Certificate of Proficiency in Safety familiarization and Basic Training issued by Department of Marine Administration.
 - (B) have completed the training courses for 2 weeks conducted in an approved training centres with continuous assessment system and followed up by **written** examination to meet the standard of competence specified in section A-V/1-1, paragraph 1 and 2 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Certificate of Proficiency in Basic Training for oil and chemical tanker cargo operations to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
PROFICIENCY IN BASIC TRAINING FOR OIL AND CHEMICAL TANKER CARGO
OPERATIONS' SUBJECTS**

No.	Subjects	Examination	Teaching Hours	Total Weeks
1.	Contribute to the safety cargo operation of oil and chemical tankers	Assessment	40 hours	
2.	Take precautions to prevent hazards	Assessment	10 hours	
3.	Apply occupational health and safety precautions and measures	Assessment	7 hours	
4.	Carry out fire fighting operations	Assessment	2 hours	
5.	Respond to emergencies	Assessment	5 hours	
6.	Take precautions to prevent pollution of environment from the release of oil or chemicals	Assessment	6 hours	
Total			70 hours	2 weeks

**MODE AND MARKING SYSTEM FOR
PROFICIENCY IN BASIC TRAINING FOR OIL AND CHEMICAL TANKER CARGO
OPERATIONS COURSE EXAMINATION**

No.	Course	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Basic training for oil and chemical tanker cargo operations	Training Centre's Written Exam	1 Hour	100	50

**Guidance of Maritime Education, Training and Examination for
Certificate of Proficiency in Advanced Training
for Oil Tanker Cargo Operations
(STCW Convention 1978, as amended, Regulation V/1-1-2)**

The advanced training for oil tanker cargo operations course for Masters, Chief Engineer Officers, Chief Mates, Second Engineer Officers and any person with immediate responsibility for loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo-related operations on oil tankers, consists of practical training, theory lectures, **Written** examinations in the training centre.

1. Every candidate for certification shall:
 - (A) Approved seagoing service at least three months while holding the Certificate of Proficiency in Basic Training for Oil and Chemical Tanker cargo operations.
 - (B) have completed the training courses for 2 weeks conducted in an approved training centres with continuous assessment system and followed up by **written** examination to meet the standard of competence specified in section A-V/1-1, paragraph 2 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Certificate of Proficiency in Advanced Training for oil tanker cargo operations to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
PROFICIENCY IN ADVANCED TRAINING FOR OIL TANKER
CARGO OPERATIONS' SUBJECTS**

No.	Subjects	Examination	Teaching Hours	Total Weeks
1.	Ability to safely perform and monitor all cargo operations	Assessment	42.5 hours	
2.	Familiarity with physical and chemical properties of oil cargoes	Assessment	2 hours	
3.	Take precautions to prevent hazards	Assessment	4 hours	
4.	Apply occupational health and safety precautions	Assessment	1.5 hours	
5.	Respond to emergencies	Assessment	3 hours	
6.	Take precautions to prevent pollution of the environment	Assessment	1.5 hours	
7.	Monitor and control compliance with legislative requirements	Assessment	1.5 hours	
8.	Case studies and Assessment	Assessment	4 hours	
Total			60 hours	2 weeks

**MODE AND MARKING SYSTEM FOR
PROFICIENCY IN ADVANCED TRAINING FOR OIL TANKER
CARGO OPERATIONS COURSE EXAMINATION**

No.	Course	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Advanced training for oil tanker cargo operations	Training Centre's Written Exam	1 Hour	100	50

**Guidance of Maritime Education, Training and Examination for
Certificate of Proficiency in Advanced Training
for Chemical Tanker Cargo Operations
(STCW Convention 1978, as amended, Regulation V/1-1-3)**

The advanced training for Chemical tanker cargo operations course for Masters, Chief Engineer Officers, Chief Mates, Second Engineer Officers and any person with immediate responsibility for loading, unloading, care in transit, handling of cargo, tank cleaning or other cargo-related operations on chemical tankers, consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) Approved seagoing service at least three months while holding the Certificate of Proficiency in Basic Training for Oil and Chemical Tanker cargo operations.
 - (B) have completed the training courses for 2 weeks conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-V/1-1, paragraph 3 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Certificate of Proficiency in Advanced Training for oil tanker cargo operations to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
PROFICIENCY IN ADVANCED TRAINING FOR CHEMICAL TANKER
CARGO OPERATIONS' SUBJECTS**

No.	Subjects	Examination	Teaching Hours	Total Weeks
1.	Ability to safely perform and monitor all cargo operations	Assessment	32 hours	
2.	Familiarity with physical and chemical properties of chemical cargoes	Assessment	3 hours	
3.	Take precautions to prevent hazards	Assessment	5.5 hours	
4.	Apply occupational health and safety precautions	Assessment	3 hours	
5.	Respond to emergencies	Assessment	6 hours	
6.	Take precautions to prevent pollution of the environment	Assessment	1.5 hours	
7.	Monitor and control compliance with legislative requirements	Assessment	4.5 hours	
8.	Case studies and Assessment	Assessment	4.5 hours	
Total			60 hours	2 weeks

**MODE AND MARKING SYSTEM FOR
PROFICIENCY IN ADVANCED TRAINING FOR CHEMICAL TANKER
CARGO OPERATIONS COURSE EXAMINATION**

No.	Course	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Advanced training for chemical tanker cargo operations	Training Centre's Written Exam	1 Hour	100	50

**Guidance of Maritime Education, Training and Examination for
Certificate of Proficiency in Basic Training for
Liquefied Gas Tanker Cargo Operations
(STCW Convention 1978, as amended, Regulation V/1-2-1)**

The Basic Training for liquefied gas tanker cargo operations course for every seafarers who are assigned specific duties including liquefied gas tanker safety, fire safety measures and systems, pollution prevention, operational practice and obligations under applicable laws and regulations, consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) hold the Certificate of Proficiency in Safety familiarization and Basic Training issued by Department of Marine Administration.
 - (B) have completed the training courses for 1 week conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-V/1-2, paragraph 1 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Certificate of Proficiency in Basic Training for liquefied gas tanker cargo operations to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
PROFICIENCY IN BASIC TRAINING FOR LIQUEFIED GAS TANKER CARGO
OPERATIONS' SUBJECTS**

No.	Subjects	Examination	Teaching Hours	Total Weeks
1.	Contribute to the safety cargo operation of liquefied gas tankers	Assessment	13.5 hours	
2.	Take precautions to prevent hazards	Assessment	4.5 hours	
3.	Apply occupational health and safety precautions and measures	Assessment	6 hours	
4.	Carry out fire fighting operations	Assessment	2 hours	
5.	Respond to emergencies	Assessment	0.5 hours	
6.	Take precautions to prevent pollution of environment from the release of liquefied gases	Assessment	1 hours	
7.	Case studies and Assessment	Assessment	2.5 hours	
Total			30 hours	1 week

**MODE AND MARKING SYSTEM FOR
PROFICIENCY IN BASIC TRAINING FOR LIQUEFIED GAS TANKER CARGO
OPERATIONS COURSE EXAMINATION**

No.	Course	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Basic training for liquefied gas tanker cargo operations	Training Centre's Written Exam	1.5 Hour	100	50

**Guidance of Maritime Education, Training and Examination for
Certificate of Proficiency in Advanced Training
for Liquefied Gas Tanker Cargo Operations
(STCW Convention 1978, as amended, Regulation V/1-2-2)**

The advanced training for liquefied gas tanker cargo operations course for Masters, Chief Engineer Officers, Chief Mates, Second Engineer Officers and any person with immediate responsibility for loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo-related operations on liquefied gas tankers, consists of practical training, theory lectures, **Written** examinations in the training centre.

1. Every candidate for certification shall:
 - (A) Approved seagoing service at least three months while holding the Certificate of Proficiency in Basic Training for Liquefied Gas Tanker cargo operations.
 - (B) have completed the training courses for 2 weeks conducted in an approved training centres with continuous assessment system and followed up by **written** examination to meet the standard of competence specified in section A-V/1-2, paragraph 2 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Certificate of Proficiency in Advanced Training for liquefied Gas tanker cargo operations to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
PROFICIENCY IN ADVANCED TRAINING FOR LIQUEFIED GAS TANKER
CARGO OPERATIONS' SUBJECTS**

No.	Subjects	Examination	Teaching Hours	Total Weeks
1.	Ability to safely perform and monitor all cargo operations	Assessment	Based on IMO Model Course	
2.	Familiarity with physical and chemical properties of liquefied gas cargoes	Assessment	Based on IMO Model Course	
3.	Take precautions to prevent hazards	Assessment	Based on IMO Model Course	
4.	Apply occupational health and safety precautions	Assessment	Based on IMO Model Course	
5.	Respond to emergencies	Assessment	Based on IMO Model Course	
6.	Take precautions to prevent pollution of the environment	Assessment	Based on IMO Model Course	
7.	Monitor and control compliance with legislative requirements	Assessment	Based on IMO Model Course	
8.	Case studies and Assessment	Assessment	Based on IMO Model Course	
Total			60 hours	2 weeks

**MODE AND MARKING SYSTEM FOR
PROFICIENCY IN ADVANCED TRAINING FOR LIQUEFIED GAS TANKER
CARGO OPERATIONS COURSE EXAMINATION**

No.	Course	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Advanced training for liquefied gas tanker cargo operations	Training Centre's Written Exam	1 Hour	100	50

**Guidance of Maritime Education, Training and Examination for
Crowd Management Documentary Evidence
(STCW Convention 1978, as amended, Regulation V/2)**

The Crowd Management Documentary Evidence Course for Masters, Officers, Ratings and Other personnel on passenger ships in the STCW Code section A-V/2 training consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) hold the Certificate of Proficiency in safety familiarization and basic training issued by Department of Marine Administration.
 - (B) have completed the training courses for 1 day conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-V/2, paragraph 1 to 4 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Crowd Management Documentary Evidence to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
Crowd Management Course**

No.	Subjects	Examination	Teaching hours	Total weeks	
1.	Crowd management training	Assessment	Based on IMO Model Course		
2.	Safety training for personal providing direct service to passengers in passenger spaces	Assessment	Based on IMO Model Course		
3	Crisis management and human behaviour training	Assessment	Based on IMO Model Course		
4.	Passenger safety, cargo safety and hull integrity training	Assessment	Based on IMO Model Course		
Total				8 hours	1 day

**MODE AND MARKING SYSTEM FOR
Crowd Management
COURSE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Crowd Management Documentary Evidence	Training Centre's Written Exam	0.5Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Certificate of Proficiency in Safety Familiarization and Basic Training
(STCW Convention 1978, as amended, Regulation VI/1)**

The Certificate of Proficiency in Safety familiarization and Basic Training course for seafarers on board ship on the business of that ship as part of the ship's complement with designated safety duties in the operation of the ship, consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) have completed the training courses for 2 weeks conducted in an approved training centres with continuous assessment system and followed up by Written examination to meet the standard of competence specified in section A-VI/1, paragraph 2 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Certificate of Proficiency in Safety familiarization and Basic Training to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
PROFICIENCY IN SAFETY FAMILIARIZATION AND BASIC TRAINING SUBJECTS**

No.	Subjects	Examination	Teaching Hours	Total Weeks
1.	Personal survival techniques	Assessment	15 hours	
2.	Fire prevention and fire fighting	Assessment	15 hours	
3.	Elementary First Aid	Assessment	15 hours	
4.	Personal safety and social responsibilities	Assessment	15 hours	
Total			60 hours	2 weeks

**MODE AND MARKING SYSTEM FOR
PROFICIENCY IN SAFETY FAMILIARIZATION AND BASIC TRAINING
COURSE EXAMINATION**

No.	Course	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Proficiency in Safety Familiarization and Basic Training	Training Centre's Written Exam	3 Hour	100	50

**Guidance of Maritime Education, Training and Examination for
Proficiency in Survival craft and rescue boat other than fast rescue boat
Certificate of Proficiency
(STCW Convention 1978 as amended, Regulation VI/2)**

The Training for Proficiency in Survival craft, rescue boat other than fast rescue boat Certificate of Proficiency course for officers and rating consists of practical training, theory lectures, continuous assessment, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) be not less than 18 years of age.
 - (B) have approved seagoing service of not less than 12 months or have attended an approved training course and approved seagoing service of not less than 6 months.
 - (C) have completed the training courses for 1 week conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-VI/2, paragraph 1 to 4 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Proficiency in survival craft, rescue boat other than fast rescue boat Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
PROFICIENCY IN SURVIVAL CRAFT, RESCUE BOAT OTHER THAN FAST RESCUE
BOAT TRAINING**

No.	Subjects	Examination	Teaching hours	Total weeks
1.	Take charge of a survival craft or rescue boat during and after launch	Assessment	21 hours	
2.	Operation of survival craft engine	Assessment	2.5 hours	
3.	Manage survival craft after abandoning	Assessment	4.5 hours	
4.	Usage of locating device	Assessment	1.5 hours	
5.	First aid to survivors	Assessment	2 hours	
Total			31.5 hours	1 weeks

**MODE AND MARKING SYSTEM FOR
PROFICIENCY IN SURVIVAL CRAFT, RESCUE BOAT OTHER THAN FAST RESCUE
BOAT (PSCRB) COURSE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	PSCRB	Training Centre's Written Exam	1 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Proficiency in fast rescue boat Certificate of Proficiency
(STCW Convention 1978 as amended, Regulation VI/2)**

The Training for Proficiency in fast rescue boat Certificate of Proficiency for officers and rating consists of practical training, theory lectures, continuous assessment, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) be the holder of a Certificate of Proficiency in Survival craft and rescue boat other than fast rescue boat
 - (B) have attended in full training course and
 - (C) meet the standard of competence for Certificate of Proficiency in fast rescue boat, set out in section A-VI/2, paragraph 7 to 10 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Proficiency in fast rescue boat Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
PROFICIENCY IN FAST RESCUE BOAT TRAINING**

No.	Subjects	Examination	Teaching hours	Total weeks
1	Introduction	Assessment	0.5 hours	
1.	Understand the construction, maintenance, repair and outfitting of fast rescue boat	Assessment	2 hours	
2.	Take charge of the launching equipment and appliance as commonly fitted during launching and recovery	Assessment	3.5 hours	
3.	Take charge of a fast rescue boat as commonly fitted, during launching and recovery	Assessment	3 hours	
4.	Take charge of a fast rescue boat after launching	Assessment	13 hours	
5.	Operate a fast rescue boat engine	Assessment	1.5 hours	
Total			23.5 hours	4 days

**MODE AND MARKING SYSTEM FOR
PROFICIENCY IN FAST RESCUE BOAT COURSE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	FAST RESCUE BOAT	Training Centre's Written Exam	1 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Medical First Aid Certificate of Proficiency
(STCW Convention 1978 as amended, Regulation VI/4-1)**

The Medical First Aid Certificate of Proficiency course for officers who are assigned specific duties and responsibilities related to medical first aid on board the ship consists of practical training, theory lectures. Written examinations in the training centre,

1. Every candidate for certification shall:
 - (A) hold the certificate of proficiency in Safety Familiarization and Basic Training
 - (B) have completed the training courses for 1 week conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-VI/4, paragraph 1 to 3 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Medical First Aid Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
MEDICAL FIRST AID TRAINING**

No.	Subjects	Examination	Teaching hours	Total weeks
1.	Apply immediate first aid in the event of accident or illness on board	Assessment	30 hours	
Total			30 hours	1 week

**MODE AND MARKING SYSTEM FOR
MEDICAL FIRST AID COURSE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Medical First Aid	Training Centre's Written Exam	1 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Medical Care Certificate of Proficiency
(STCW Convention 1978 as amended, Regulation VI/4-2)**

The Medical Care Certificate of Proficiency course for officers who are assigned specific duties and responsibilities related to take charge of medical care on board the ship consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) hold the at least Deck officer class III or marine engineer officer class III certificate of competency.
 - (B) have completed the training courses for 2 weeks conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-VI/4, paragraph 4 to 6 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Medical care Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
MEDICAL CARE TRAINING**

No.	Subjects	Examination	Teaching hours	Total weeks
1.	Medical care to the sick and injured on board	Assessment	42.5 hours	
2.	Coordinated schemes for medical assistance to ship	Assessment	3 hours	
Total			45.5 hours	2 weeks

**MODE AND MARKING SYSTEM FOR
MEDICAL CARE COURSE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Medical care course	Training Centre's Written Exam	1 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Ship Security Officers Certificate of Proficiency
(STCW Convention 1978, as amended, Regulation VI/5)**

The Ship Security Officers Certificate of Proficiency course for officers who are assigned specific duties and responsibilities related to perform the duties and responsibilities of a Ship Security Officer and with respect to the security of the ship for implementing and maintaining a Ship Security Plan and the Port Facility Security Officers consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) hold the at least Deck officer class III or marine engineer officer class III or GOC certificate of competency
 - (B) have approved seagoing service of not less than 12 months
 - (C) have completed the training courses for 2 days conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-VI/5, paragraph 1 to 3 of the STCW Code

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Ship Security Officers Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
SHIP SECURITY OFFICERS TRAINING**

No.	Subjects	Examination	Teaching hours	Total weeks
1.	Maintain and supervise the implementation of a ship security plan	Assessment	7.0 hour	
2.	Assess security risk, threat and vulnerability	Assessment	4.25 hour	
3.	Undertake regular inspections of the ship to ensure that appropriate security measures are implemented and maintained	Assessment	1.5 hour	
4.	Ensure that security equipment and systems, if any, are properly operated, tested and calibrated vigilance	Assessment	1.5 hour	
5.	Encourage security awareness and vigilance	Assessment	1.25 hour	
Total			15.5 hours	2 days

**MODE AND MARKING SYSTEM FOR
SHIP SECURITY OFFICERS COURSE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Ship Security Officers	Training Centre's Written Exam	0.5 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Ship Security Awareness Certificate of Proficiency
(STCW Convention 1978, as amended, Regulation VI/6-1)**

The Ship Security Awareness Certificate of Proficiency course for seafarers shall receive security-related familiarization and security-awareness training consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) hold the Certificate of Proficiency in safety familiarization and basic training issued by Department of Marine Administration.
 - (B) have completed the training courses for 1 day conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-VI/6, paragraph 1 to 4 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Ship Security Awareness Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
SHIP SECURITY AWARENESS TRAINING**

No.	Subjects	Examination	Teaching hours	Total weeks
1.	Contribute to the enhancement of maritime security through heightened awareness	Assessment	3.5 hours	
2.	Recognition of security threats	Assessment	1.5 hours	
3.	Understanding of the need for and methods of maintaining security awareness and vigilance	Assessment	1 hours	
Total			6 hours	1 day

**MODE AND MARKING SYSTEM FOR
SHIP SECURITY AWARENESS COURSE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Ship Security Awareness	Training Centre's Written Exam	0.5 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Designated Security Duties Certificate of Proficiency
(STCW Convention 1978, as amended, Regulation VI/6-2)**

The Seafarers with Designated Security Duties Certificate of Proficiency course for seafarers who is designated to perform security duties, including anti-piracy and anti-armed-robbery-related activities, consists of practical training, theory lectures, Written examinations in the training centre.

1. Every candidate for certification shall:
 - (A) hold the Certificate of Proficiency in safety familiarization and basic training and Ship Security Awareness issued by Department of Marine Administration.
 - (B) have completed the training courses for 1.5 days conducted in an approved training centres with continuous assessment system and followed up by written examination to meet the standard of competence specified in section A-VI/6-2, paragraph 6 to 8 of the STCW Code.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Designated Security Duties Certificate of Proficiency to the candidates who have successfully completed the approved training course.

**SUMMARY OF TEACHING HOURS FOR
DESIGNATED SECURITY DUTIES TRAINING**

No.	Subjects	Examination	Teaching hours	Total weeks	
1.	Maintain the conditions set out in a ship security plan	Assessment	Based on IMO Model Course		
2.	Recognition of security risks and threats	Assessment	Based on IMO Model Course		
3.	Undertake regular security inspections of the ship	Assessment	Based on IMO Model Course		
4.	Proper usage of security equipment and systems, if any	Assessment	Based on IMO Model Course		
Total				10.5 hours	1.5 days

**MODE AND MARKING SYSTEM FOR
DESIGNATED SECURITY DUTIES COURSE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Designated Security Duties	Training Centre's Written Exam	0.5 Hours	100	50

Guidance of Maritime Education, Training and Examination for EFFICIENT DECK HAND

The efficient deck hand course for seafarers who is designated to perform the function at the support level consists of practical training, theory lectures, oral examinations in the training centre.

1. Every candidate for certification shall:
 - (A) have approved seagoing service including not less than six months after holding of Certificate of Proficiency in safety familiarization and basic training issued by Department of Marine Administration
 - (B) have completed the training courses for 1 week conducted in an approved training centres with continuous assessment system and followed up by written examination .

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The Department of Marine Administration shall issue Efficient Deck Hand Certificate of Proficiency to the candidates who have successfully completed the approved training course.

SUMMARY OF TEACHING HOURS FOR EFFICIENT DECK HAND

No.	Subjects	Examination	Teaching hours	Total weeks
1.	The meaning & use of common Nautical terms	Assessment	3 hours	
2.	Knowledge of the use of lifesaving and fire-fighting appliances	Assessment	3 hours	
3.	The common seamanship techniques including knots, bends, hitches and slices	Assessment	11 hours	
4.	Code of Safe Working Practice for Merchant Seaman, (COSWP)	Assessment	13 hours	
5.	Evaluation & Assessment	Assessment	2 hours	
Total			32 hours	1 week

**MODE AND MARKING SYSTEM FOR
RATINGS AS ABLE SEAFARER DECK**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Efficient Deck Hand	Training Centre's Practical Exam	2 Hours	100	50

**Guidance of Maritime Education, Training and Examination for
Rating Engine (Ratings forming part of a watch in engine-room on a seagoing
ship powered by main propulsion machinery of
750 kW propulsion power or more) Certificate of Proficiency
(STCW Convention 1978 as amended, Regulation III/4)**

The examination course for certification of Rating Engine (Rating forming part of an engine-room watch or designated to perform duties in a periodically unmanned engine-room on a seagoing ship powered by main propulsion machinery of 750 kW propulsion power or more) consists of Workshop Skills Training, Written and Oral examinations.

1. Every candidate for certification shall:
 - (A) have passed the Upper Secondary (Middle) School.
 - (B) have successfully completed the training and assessment for Marine Engineering Practical Subjects by continuous Assessment system during the training period of approved Workshop Skills Training Course (6-weeks) at the respective training centres. The training course is administered, supervised and monitored by the Department of Marine Administration.
 - (C) have completed the Rating Engine Examination course for 2 weeks conducted in an approved training centres with continuous assessment system for the following chapters of Rating Engine Watchkeeping knowledge:
 - (1) Watch keeping
 - (2) Boiler Watch
 - (3) Emergency equipment and applying procedure
 - (D) have successfully completed the Written Examination for Rating Engine Watch keeping knowledge conducted by relevant approved training centres.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The candidates who have passed in **written examination** shall have to sit for Rating Engine Oral Examination conducted by the Department of Marine Administration.
3. The candidates shall have to serve for at least 6 months as approved sea going service in engine department.
4. The Department of Marine Administration shall issue Rating Engine certificates to the candidates who have passed oral examination and have served as approved sea going service for 6 months in engine department.

**SUMMARY OF TEACHING HOURS FOR
RATING ENGINE MARINE ENGINEERING KNOWLEDGE SUBJECT**

No.	Subjects	Examination	Teaching hours	Total weeks
1.	Marine Engineering Knowledge	Assessment	180	6
Total			180	6 weeks

**SUMMARY OF TEACHING HOURS FOR
RATING ENGINE EXAMINATION COURSE FOR
WATCH KEEPING KNOWLEDGE**

No.	Chapters	Examination	Teaching hours	Total weeks
1.	Watch keeping	Assessment	36	
2.	Boiler watch	Assessment	9	
3.	Emergency equipment and applying procedure	Assessment	15	
Total			60	2 weeks

**MODE AND MARKING SYSTEM FOR
RATING ENGINE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Watch Keeping Knowledge	Training Centre's Written Exam	1 Hours	100	50

**MODE AND MARKING SYSTEM FOR
RATING ENGINEER ORAL EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Oral Examination	DMA		100	70

**Guidance of Maritime Education, Training and Examination for
Rating Engine (Ratings forming part of a watch in engine-room on a seagoing
ship powered by main propulsion machinery of
750 kW propulsion power or more) Certificate of Proficiency
(STCW Convention 1978 as amended, Regulation III/4)**

(Examination course for existing Wiper)

The examination course for existing Wiper who have served on ship powered by main propulsion machinery of 750 kW propulsion power or more consists of practical training, theory lectures, Written and Oral examinations.

1. Every candidate for certification shall:
 - (A) hold the Pre-Sea Engine certificate issued by relevant training centre approved by the Department of Marine Administration.
 - (B) have served as rating in engine department for(6) months on ship powered by main propulsion machinery of 750 kW propulsion power or more.
 - (C) have completed the Rating Engine Examination course for 2 weeks conducted in an approved training centres with continuous assessment system and course completion assessment examinations for the following chapters of Rating Engine Watchkeeping knowledge:
 - (1) Watch keeping
 - (2) Boiler Watch
 - (3) Emergency equipment and applying procedure
 - (D) have successfully completed the Written Examination for Rating Engine Watch keeping knowledge conducted by relevant approved training centres.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The candidates who have passed in written examination shall have to sit for Rating Engine Oral examination conducted by the Department of Marine Administration.
3. The Department of Marine Administration shall issue Rating Engine certificates to the candidates who have passed oral examination.

**SUMMARY OF TEACHING HOURS FOR
RATING ENGINE EXAMINATION COURSE FOR
WATCH KEEPING KNOWLEDGE**

No.	Chapters	Examination	Teaching hours	Total weeks
1.	Watch keeping	Assessment	39	
2.	Boiler watch	Assessment	6	
3.	Emergency equipment and applying procedure	Assessment	15	
Total			60	2 weeks

**MODE AND MARKING SYSTEM FOR
RATING ENGINE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Watch Keeping Knowledge	Training Centre's Written Exam	1 Hour	100	50

**MODE AND MARKING SYSTEM FOR
RATING ENGINE ORAL EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Oral Examination	DMA		100	70

**Guidance of Maritime Education, Training and Examination for
Able Seafarer Engine (Able seafarer engine on a seagoing ship powered by
main propulsion machinery of 750 kW propulsion power or more)**

**Certificate of Proficiency
(STCW Convention 1978 as amended, Regulation III/5)**

(Examination course for existing Engine Rating)

The examination course for existing Rating Forming part of an Engine Room Watch who have served on ship powered by main propulsion machinery of 750 kW propulsion power or more consists of practical training, theory lectures and Written and Oral examinations.

1. Every candidates for certification shall:
 - (A) hold the ratings forming part of a watch in an engine-room Certificate of Proficiency.
 - (B) have approved seagoing service in engine-room of not less than (12) months on ships powered by main propulsion machinery of 750 kW propulsion power or more while holding the certificate of ratings forming part of a watch in an engine-room.
 - (C) have successfully completed the continuous assessment system for the following **Marine Engineering Knowledge** subjects during the period of the approved Able Seafarer Engine Preparatory (2 weeks) Course for the candidates who have served engine-room watch keeping services of not less than 12 months
or
(4 weeks) Course for the candidates who have served engine-room watch keeping service of less than 12 months in approved training centres with continuous assessment system for the following Marine Engineering Knowledge subjects:
 - (1) Marine Engineering Knowledge;
 - (2) Electrical Safety;
 - (3) Maintenance and repair; and
 - (4) Controlling the operation of the Ship
 - (D) have successfully completed the written examination for the Able Seafarer Engine Marine Engineering Knowledge Subjects conducted by the Training Centres.
That written examination shall be administered, supervised and monitored by the Department of Marine Administration.
2. The candidates who have passed the **written examination** shall have to sit for Oral Examination conducted by the Department of Marine Administration.
3. The candidates who have failed the oral examination shall have to re-sit for the oral examination only, in the subsequence examinations.
4. The Department of Marine Administration shall issue Able Seafarer Engine certificates to the candidates who have passed oral examination.

**SUMMARY OF TEACHING HOURS FOR
MARINE ENGINEERING KNOWLEDGE SUBJECTS**

No.	Subjects	Examination	Teaching hours	Total weeks	
1.	Marine Engineering Knowledge	Assessment	15		
2.	Electrical Safety	Assessment	3		
3.	Maintenance and repair	Assessment	39		
4.	Controlling the operation of the ship	Assessment	3		
Total weeks				60 hours	2 weeks

OR

No.	Subjects	Examination	Teaching hours	Total weeks	
1.	Marine Engineering Knowledge	Assessment	30		
2.	Electrical Safety	Assessment	6		
3.	Maintenance and repair	Assessment	78		
4.	Controlling the operation of the ship	Assessment	6		
Total weeks				120 hours	1 month

**MODE AND MARKING SYSTEM FOR
ABLE SEAFARER ENGINE EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Marine Engineering Knowledge	Training Centre's Written Exam	1 Hour	100	50

**MODE AND MARKING SYSTEM FOR
ABLE SEAFARER ENGINE ORAL EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Oral Examination	DMA		100	70

**Guidance of Maritime Education, Training and Examination for
Electro-Technical Rating (Electro-Technical Rating on a seagoing ship
powered by main propulsion machinery of 750 kW propulsion power or more)
Certificate of Proficiency
(STCW Convention 1978 as amended, Regulation III/7)**

The examination course for certification of **Electro-Technical Rating** (Electro-Technical Rating on a seagoing ship powered by main propulsion machinery of 750 kW propulsion power or more) consists of Workshop Skills Training, Written and Oral examinations.

1. Every candidate for certification shall:
 - (A) have passed Technical High School (Electrical or Electronics subjects) (or) holding **GTC** diploma (Electrical or Electronics or Mechatronics) (or) **B.Tech** degree (Electrical or Electronics or Mechatronics) (or) B.Sc (Physics).
 - (B) have successfully completed Electro-technical Rating examination course for 6 months conducted in approved training centres with continuous assessment system for the following Electro-Technical Engineering Knowledge subjects:
 - (1) Electrical, Electronic and Control Engineering
 - (2) Maintenance and repair
 - (3) Controlling the operation of the ship and care for persons on board
 - (C) have successfully completed the **written examination** for the Electro-Technical Engineering Knowledge subject conducted by the training centre.

That written examination shall be administered, supervised and monitored by the Department of Marine Administration.

2. The candidates who have passed the **written examination** shall have to sit for Oral Examination conducted by the Department of Marine Administration.
3. The candidates who have failed the oral examination shall have to re-sit for the oral examination only, in the subsequence examinations.
4. The candidates shall have to serve for at least 12 months as approved sea going service in engine department.
5. The Department of Marine Administration shall issue Electro-technical Rating certificates to the candidates who have passed oral examination and have served as approved sea going service for 12 months in engine department.

**SUMMARY OF TEACHING HOURS FOR
ELECTRO-TECHNICAL ENGINEERING KNOWLEDGE SUBJECTS**

No.	Subjects	Examination	Teaching hours	Total weeks	
1.	Electrical, Electronic and Control Engineering	Assessment	472		
2.	Maintenance and repair	Assessment	285		
3.	Controlling the operation of the ship and care for persons on board	Assessment	23		
Total weeks				780 hours	26 weeks

**MODE AND MARKING SYSTEM FOR
ELECTRO-TECHNICAL RATING WRITTEN EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Electro-Technical Engineering Knowledge	Training Centre's Written Exam	3 Hours	100	50

**MODE AND MARKING SYSTEM FOR
ELECTRO-TECHNICAL RATING ORAL EXAMINATION**

No.	Subject	Mode of Examination	Duration of Examination	Maximum marks	Pass marks
1.	Oral Examination	DMA		100	70

**Guidance of Maritime Education, Training and Certification for
Advanced Fire Fighting Certificate of Proficiency.
(STCW Chapter VI & Section A-VI/3)**

The training course for certification of **Advanced Fire Fighting** consists of practical training, theory lectures and Evaluation Assessment.

1. Every candidate for certification shall:
 - (A) hold the OEW Workshop skills completion certificate or Junior Engineer fit certificate or ETO Workshop Skills completion certificate or Officer in charge of a Navigational Watch certificate of competency.
 - (B) have successfully completed the Advanced Fire Fighting Course (1-week) at the respective Approved Training Centres.

The candidates, who have successfully completed the Advanced Fire Fighting Course, shall have to attend the evaluation assessment conducted by the respective Training Centres.

2. The Department of Marine Administration shall issue the Advanced Fire Fighting Certificate of Proficiency required by the STCW Convention Regulations and Codes.

**MODE AND MARKING SYSTEM FOR
ADVANCED FIRE FIGHTING COURSE C.O.P EXAMINATION**

No.	Subjects	Mode of Examination
1.	Advanced Fire Fighting Course	Evaluation Assessment by Training centre

**SUMMARY OF TEACHING HOURS FOR
ADVANCED FIRE FIGHTING COURSE**

No.	Subjects	Mode of Examination	Teaching hours	Total weeks
1.	Control fire-fighting operations aboard ship	Evaluation Assessment	9	-
2.	Organised and train fire parties	Evaluation Assessment	6	-
3.	Inspect and service fire detection and extinguishing systems and equipment	Evaluation Assessment	10	-
4.	Investigate and compile reports on incidents involving fire	Evaluation Assessment	4	-
Total Teaching Hours			29	1