

HBB320 - Introduction to Safety

Présentation

Objectifs pédagogiques

Module Outline:

GMDSS

Describe the means by which navigational warnings are provided to ships at sea using Global Marine Distress and Safety System.

Explain how to obtain and apply navigational warnings.

Explain the relative advantages of VHF, SSB, wireless telephone and satellite communications.

List the important VHF channels and their uses for vessels.

Use the Admiralty List of Radio Signals and GMDSS.

Explain the operation of Emergency Position Indicating Radio Beacons (EPIRB).

Describe how vessel traffic services (VTS) operate and where to find the necessary information.

SAFETY

How to communicate with other persons on board on elementary safety matters and understand safety information symbols, signs and alarm signals.

Know what to do if:

- A person falls overboard,
- Fire or smoke is detected, or
- The fire or abandon ship alarm is sounded.

How to identify muster and embarkation stations and emergency escape routes.

Locate and don life jackets.

How to raise the alarm and have basic knowledge of the use of portable fire extinguishers.

How to take immediate action upon encountering an accident or other medical emergency before seeking further medical assistance on board.

Know how to close and open the fire, weathertight and watertight doors fitted in a ship other than those for hull openings.

Know how to survive at sea in the event of ship abandonment.

Know how to comply with emergency procedures.

Know how to take precautions to prevent pollution of the marine environment.

Know how to observe safe working practices.

Know how to contribute to effective communications on board ships.

Know how to contribute to effective human relationships on board ships.

Understand and know how to take necessary actions to control fatigue.

Compétences

Mis à jour le 02-04-2021



Code : HBB320

Unité d'enseignement de type mixte

3 crédits

Volume horaire de référence (+/- 10%) : **30 heures**

Responsabilité nationale :

EPN08 - Institut national des sciences et techniques de la mer (INTECHMER) / 1

Learning Outcomes:

Basic knowledge of subjects, methodology and their practice

Ability to identify, understand, apply and evaluate.

The student possesses qualities required by the STCW code, content of the Safety Familiarisation training.

The student is provided with the necessary technical knowledge for general insight in the use of telecommunication equipment.

Programme

Contenu

Lecture 1 Fire extinguishing tools and systems

Learn how to use the identify the different kinds of fire-extinguishers and how to use them.

Knowing the different kinds of automatic fire extinguish system and their use

Lecture 2 Survival suits and breathing apparatus

Knowing the importance of survival technics and how to survive in a case of emergency.

Lecture 3 Small boats, lifeboats and life rafts

Lecture 4 Fire and boat drills

Lecture 5 Safety Procedures (ISM)

Lecture 6 GMDSS part 1

Introduction into the radio communication functions and the different communication systems & basic terminology like wave propagation, wavelength and modulation.

EPIRB & SART & AIS-SART: working principle and illustration SART.

MSI general concept explained and NAVTEX basic working principle and illustration

practical 1 GMDSS part 2

Radio communication: distress calls, urgency calls, safety calls, routine calls with Maritime English (elementary / basic) for radio-calls

VHF – DSC & WATA: basic working principle explained and illustration

VTs explained

Modalités de validation

- Contrôle continu
- Examen final