

# *Basic Safety Training*

# *Safety Regulations*

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- Leave the building immediately in case of alarm; Meeting point - car parking (do not use elevator)
- Fire-extinguishers located in halls;
- First Aid Kit located at reception desk;
- Designated smoking area – balcony;
- Switch Mobile Phones off or put the silent mode on;
- Be interactive and focused;
- Water/Coffee is available during the breaks.

# *Your feedback is important to us!*



# *Introduction*

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*WHY ARE YOU  
ATTENDING THIS  
COURSE?*

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Cargoes

Set the rules and regulations!

environmentally friendly shipping

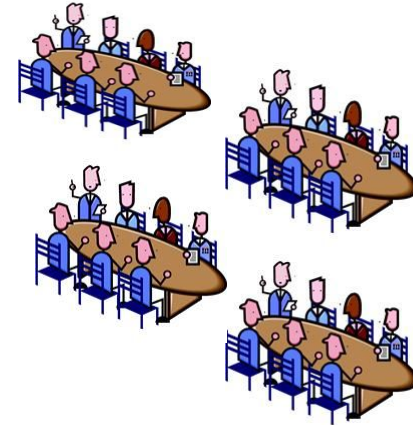
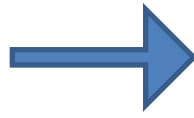
**How to achieve that???**

# *Introduction (2)*

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# *HOW?*

# Introduction (3)



# *IMO (International Maritime Organization)*



- **The best way of improving safety at sea is by developing international regulations that applies on all nations;**
- **There was a need to establish permanent international body be established to promote maritime safety more effectively;**
- **There were no achievements until the establishment of the United Nations;**
- **IMO is the UN specialized agency with responsibility for the safety and security of shipping and the prevention of marine pollution by ships.**



# IMO (International Maritime Organization) (2)

- **1948 - The Convention establishing IMO was adopted in Geneva**
- **1959 - IMO first meeting** (the original name was the Inter-Governmental Maritime Consultative Organization or IMCO)
- **1982 - the name was changed to IMO**



INTERNATIONAL  
MARITIME  
ORGANIZATION



**SOLAS**

should be  
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**IMDG Code, etc.**

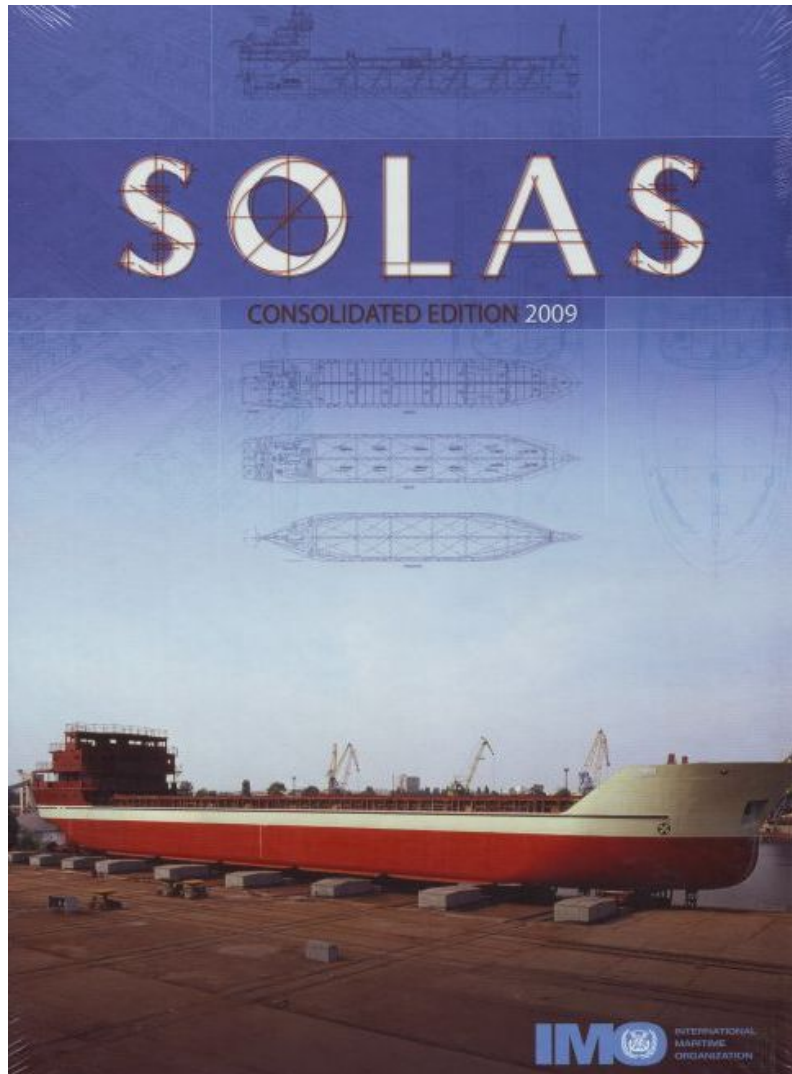
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**STCW**

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# *SOLAS – Convention for the Safety of Life at Sea*



- **IMO's first task was to adopt a new version of the International Convention for the Safety of Life at Sea (SOLAS).**
- **First edition of SOLAS was made in 1914 (after Titanic), BUT :**
  - **In real this was achieved in 1960.**

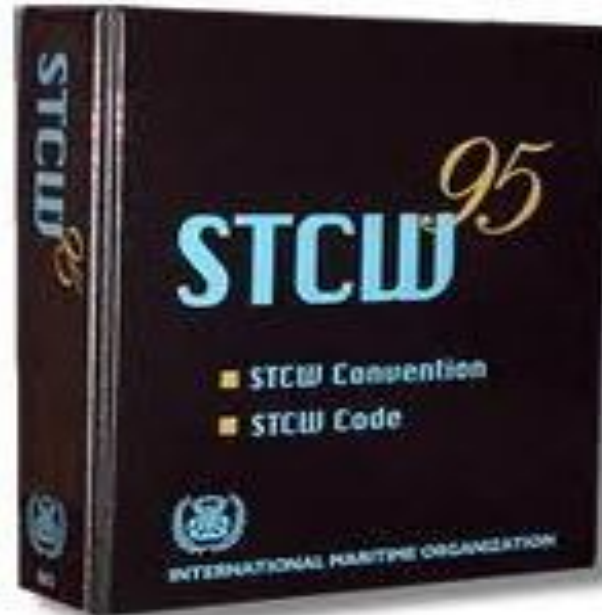
# *MARPOL – International Convention for the Prevention of Pollution from Ships*



- **Although safety was and remains IMO's most important responsibility, second biggest problem was and is pollution of the seas.**
- **After big tanker disaster in 1967 Imo introduced several measures designed to prevent tanker accidents:**
  - **The most important of these measures was MARPOL in 1973 modified in 1978.**

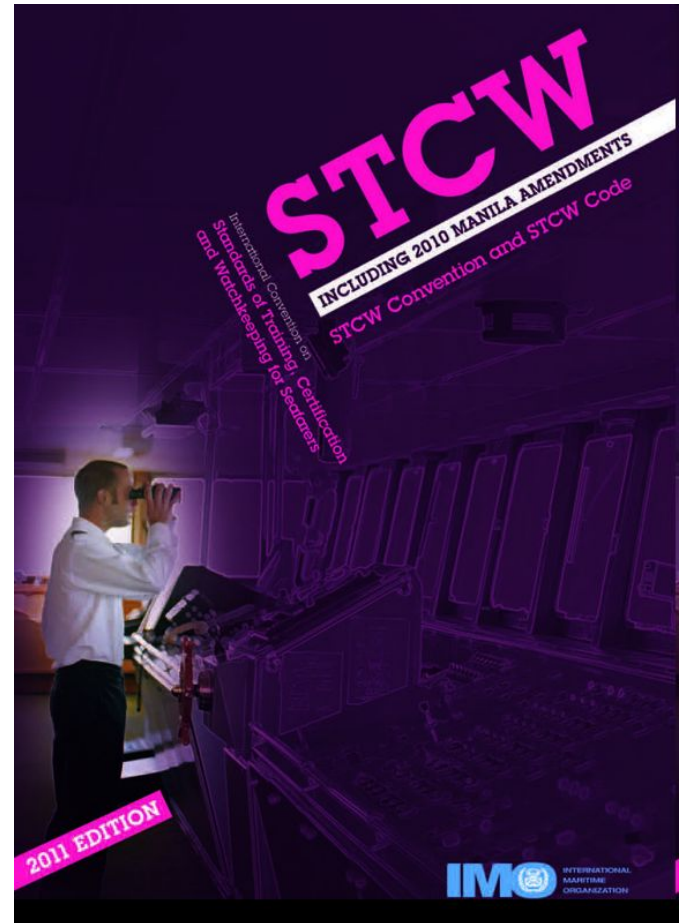
# *STCW – Convention on Standards of Training, Certification and Watchkeeping for Seafarers*

- **On 1 February 1997, the 1995 amendments to the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978 entered into force (STCW).**



# STCW – Convention on Standards of Training, Certification and Watchkeeping for Seafarers (2)

- On 25 June 2010 The Manila amendments to the STCW Convention and Code were adopted, marking a major revision of the STCW Convention and Code.
- The 2010 amendments are set to enter into force on 1 January 2012.



# STCW Convention's content

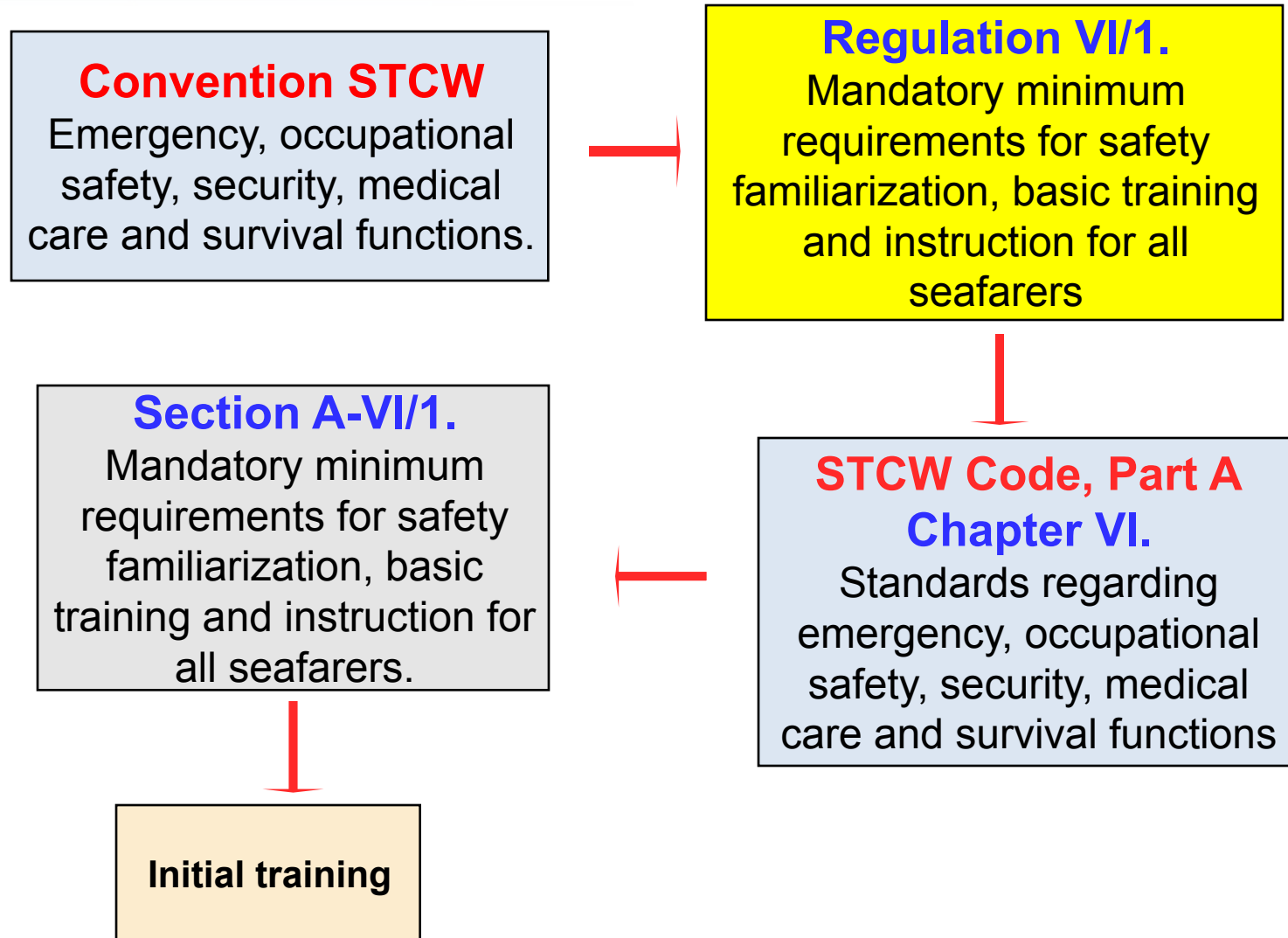
## STCW Code contains of 2 parts – A and B.

### □ Part A applies to SOLAS Basic course:

- Chapter I: General provisions
- Chapter II: Master and deck department
- Chapter III: Engine department
- Chapter IV: Radiocommunication and radio personnel
- Chapter V: Special training requirements for personnel on certain types of ships
- **Chapter VI: Emergency, occupational safety, medical care and survival functions**
- Chapter VII: Alternative certification
- Chapter VIII: Watchkeeping



# STCW regarding SOLAS Basic Training





# The Initial Training Course

**Module 1****Table A-VI/1-1**

Personal Survival  
Techniques

IMO Model course 1.19  
Personal Survival Techniques

**Module 2****Table A-VI/1-2**

Fire Prevention and Fire  
Fighting

IMO Model course 1.20  
Prevention and Basic Fire Fighting

Fire

**Module 3****Table A-VI/1-3**

Elementary First Aid

IMO Model course 1.13  
First Aid

Elementary

**Module 4****Table A-VI/1-4**

Personal safety and social  
responsibilities

IMO Model course 1.21  
Safety and Social Responsibilities

Personal

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# *Personal survival techniques*

*IMO Model course 1.19*

# Preamble

□ Competence:

- ✓ Survive at sea in the event of ship abandonment



# Preamble (2)

## □ Knowledge, understanding and proficiency :

- ✓ Types of emergency situations which may occur;
- ✓ Types of life-saving appliances carried on ships;
- ✓ Equipment in survival craft;
- ✓ Location of personal life-saving appliances;
- ✓ Principles concerning survival, including value of training & drills, personal protective clothing and equipment, readiness, main dangers to survivors etc.



# Preamble (3)

## □ Needed Competence:

- ✓ Don a lifejacket;
- ✓ Don and use an immersion suit;
- ✓ Safely jump from height into the water;
- ✓ Right an inverted liferaft while wearing a lifejacket;
- ✓ Swim while wearing a lifejacket;
- ✓ Keep afloat without a lifejacket;
- ✓ Board a survival craft from the ship and water with lifejacket;
- ✓ Take initial actions, operate survival craft equipment, stream a drogue or sea-anchor, operate location devices including radio equipment.





# *Convention SOLAS*

*Chapter 3., Regulation 3. (definitions);  
Regulation 35. (Training manual)*

# Definitions

- **Survival craft** –

a craft capable of sustaining the lives of persons in distress from the time of abandoning the ship.





# Definitions (2)



- **Rescue boat** –

a boat designed to rescue persons in distress and to marshal survival craft.

# Definitions (3)

- **Free-fall launching** –

a method of launching a survival craft whereby the craft with its complement of persons and equipment on board is released and allowed to fall into the sea without any restraining apparatus.



# Definitions (4)

- **Launching appliances –**

means of transferring a survival craft or rescue boat from its stowed position to the water (**SAFELY**).



# Definitions (5)

- **Inflatable appliance** –

An appliance which depends upon non-rigid, gas-filled chambers for buoyancy and which is normally kept uninflated until ready for use.



# Definitions (6)

- **Float-free launching –**

Method of launching a survival craft whereby the craft is automatically released from a sinking ship and is ready for use.



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*Film “Hammar H20  
Hydrostatic Release”*

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# Definitions (7)

- **Immersion suit**–

A protective suit which reduces the body heat losses of a person wearing it in the cold water.



# Definitions (8)

- **Thermal protective aid (TPA)** –

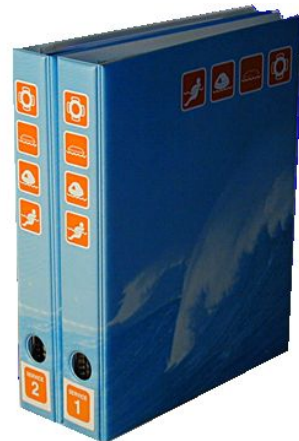
A bag or suit made of waterproof material with low thermal conductance.





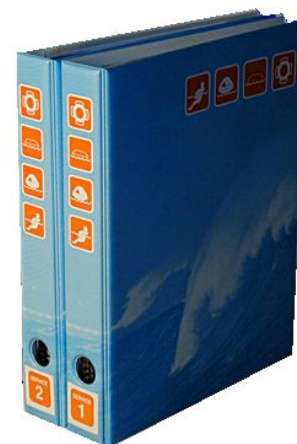
# *SOLAS Training Manual*

- All ships has to carry the SOLAS Training Manual (TM).
- TM should be provided in each crew mess room and recreation room or in every crew cabin.
- TM can consist of several volumes.
- TM shall contain instructions and information, in easily understandable terms illustrated wherever possible, on the life-saving appliances provided on the ship and on the best methods of survival.



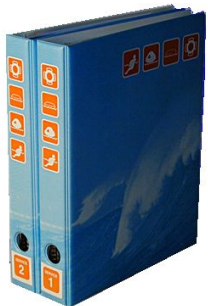
# *SOLAS Training Manual (2)*

- Any part of information may be provided in audio – visual aids in lieu of the Training Manual.
  
- Information that shall be explained in detail:
  - ✓ Donning of personal life – saving appliances;
  - ✓ Mustering at assigned stations;
  - ✓ Boarding, launching and clearing survival craft, rescue boats and Marine Evacuation systems;
  - ✓ Launching from within the survival craft;



# SOLAS Training Manual (3)

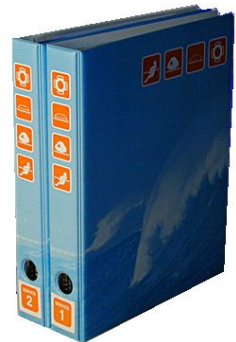
- Information that shall be explained in detail (2):
  - ✓ release from launching devices;
  - ✓ methods and use of devices for protection in launching areas;
  - ✓ illumination in launching areas;
  - ✓ use of all survival equipment, use of all detection equipment, the use of radio life-saving appliances, use of drogues; use of engine and accessories;
  - ✓ recovery of survival craft and rescue boats including stowage and securing;



# SOLAS Training Manual (4)

- Information that shall be explained in detail (3):
  - ✓ hazards of exposure and the need for warm clothing;
  - ✓ best use of the survival craft facilities in order to survive;
  - ✓ instructions for emergency repair of the life-saving appliances;
  - ✓ all other functions contained in the muster list and emergency instructions.

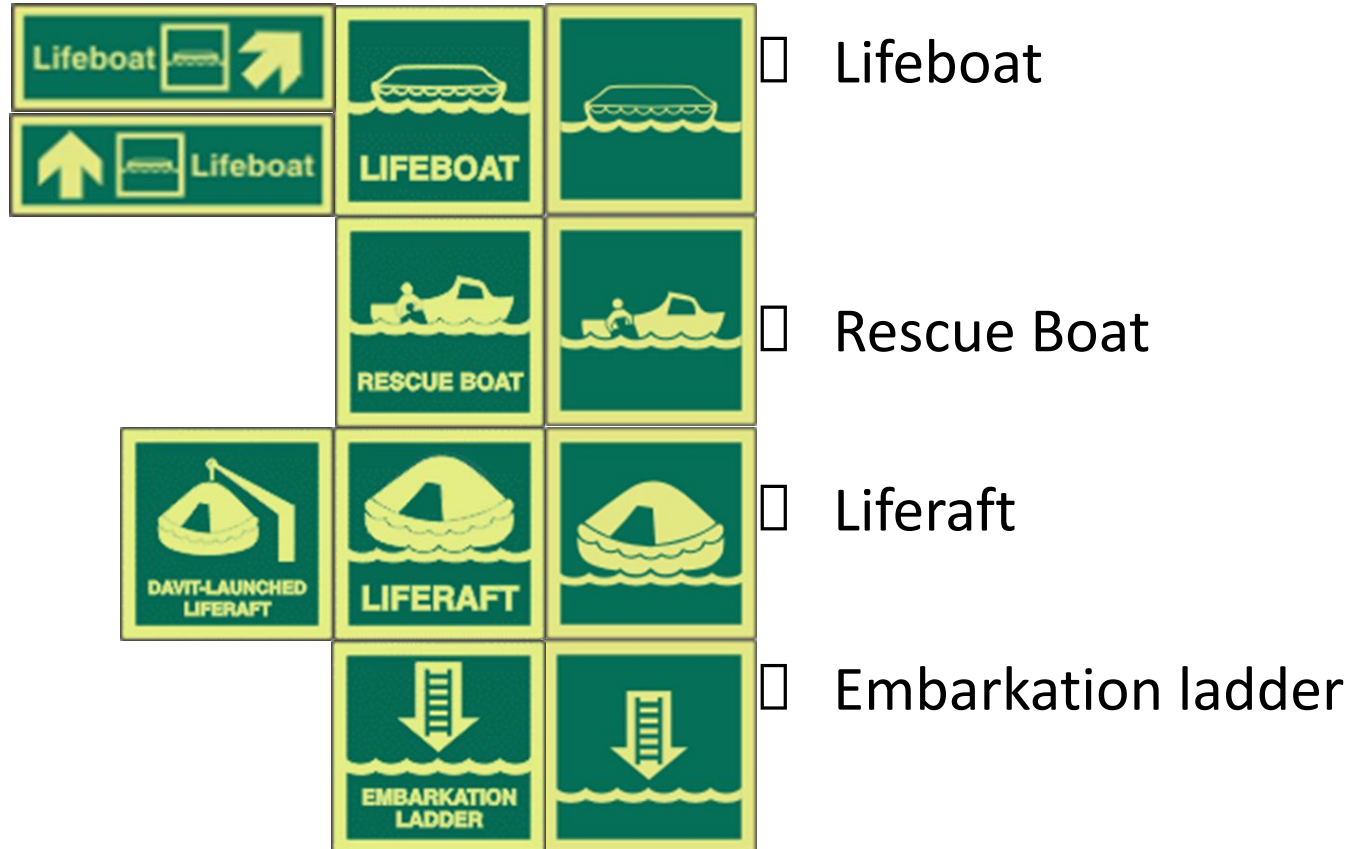
**The training manual shall be written in the working language of the ship (should be kept on board 3 copies – 2 in English, 1 in language that speaks 75% of crew onboard).**



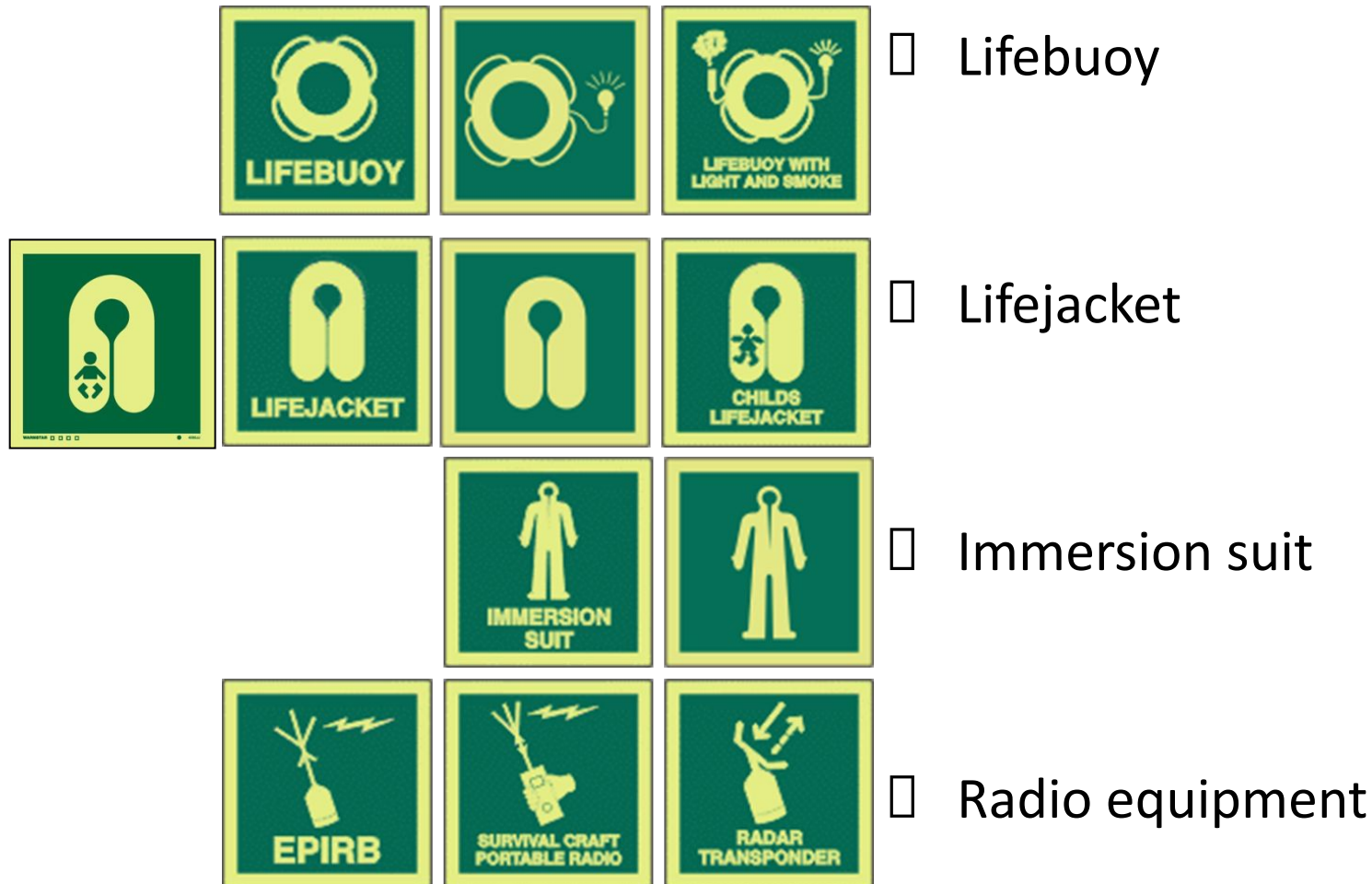
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# *IMO Safety symbols and signs used on board ships*

# IMO safety symbols and signs



# IMO safety symbols and signs (2)



# IMO safety symbols and signs (3)



- Pyrotechnics + survival craft distress signals



- Muster station, Assembly station



- Stretcher



- Exit, Emergency Exit



# IMO Safety Signs



□ First aid kit



□ Emergency shower



□ Emergency eye wash



□ Emergency telephone

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# *Film-1 “Shipboard familiarization”*

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*[www.novikontas.lv](http://www.novikontas.lv)*