

1. Course Title: PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOAT [PSC&RB]

2. Scope With reference to convention Imo Model Course:

The scope of the course is the training requirement of Section A-VI/2-1 of the STCW Code.

3. Objective:

The objective of this course is to train personnel in the proper actions involved in taking command of, launching, and handling of a survival craft during an emergency evacuation/abandonment.

4. Course Outline Shore base & On board Training:

Knowledge, Understanding and Proficiency	Lectures, demonstrations and practical exercises Approximate time (Hours)
1 Introduction, safety and survival 1.1 Safety guidance 1.2 Principles of survival at sea 1.3 Definitions, survival craft and appliances 1.4 SOLAS training manual 1.5 Safety symbols	0.75
2 Emergency situations 2.1 Types of emergencies 2.2 Precautions 2.3 Fire provisions 2.4 Foundering 2.5 Crew expertise and initial familiarization 2.6 Muster list and emergency signals 2.7 Crew and emergency instructions 2.8 Extra equipment and survival 2.9 Abandoning ship-complications	1.5
3 Evacuation 3.1 Abandoning ship – last resort 3.2 Personal preparation for abandoning ship 3.3 Need to prevent panic 3.4 Crew duties to passengers 3.5 Crew duties – launching survival craft 3.6 Master’s orders to abandon ship 3.7 Means of survival	0.75
4 Survival craft and rescue boats 4.1 Lifeboats 4.2 Liferafts 4.3 Rescue boats	2.00
5 Personal life-saving appliances 5.1 Lifebuoys 5.2 Lifejackets 5.3 Immersion suits/anti-exposure suit 5.4 Thermal protective aids	0.75
6 Personal life-saving appliances (demonstrations) 6.1 Lifebuoys 6.2 Lifejackets 6.3 Inflatable lifejackets	

6.4 Immersion suits or anti-exposure suit 6.5 Thermal protective aids 6.6 Personal survival without a lifejacket 6.7 Boarding survival craft	3.75
7 Survival at sea 7.1 Dangers to survivors 7.2 Best use of survival craft facilities	0.75
8 Emergency radio equipment 8.1 Portable radio apparatus for survival craft 8.2 Emergency position-indicating radio beacons(EPIRBs) 8.3 Search and rescue transponders (SARTs)	1.50
9 Helicopter assistance (optional) 9.1 Communicating with the helicopter 9.2 Evacuation from ship and survival craft 9.3 Helicopter pick-up 9.4 Correct use of helicopter harness	1.50
Total	13.25
Review and final assessment	
Knowledge, Understanding and Proficiency	Lectures, demonstrations and practical exercises
	Approximate time (Hours)
10 Handling survival craft and rescue boats in rough weather 10.1 Boats 10.2 Liferrafts 10.3 Beaching	0.75
11 Actions to take when aboard a survival craft 11.1 Initial actions 11.2 Routines for survival 11.3 Use of equipment 11.4 Apportionment of food and water 11.5 Action to take to maximize detectability and location of survival craft	1.5
12 Methods of helicopter rescue 12.1 Communicating with the helicopter 12.2 Evacuation from ship and survival craft 12.3 Helicopter pick-up	1.25
13 Hypothermia	1.0
14 Radio equipment 14.1 Two-way VHF radiotelephone apparatus 14.2 Emergency position-indicating radio beacons(EPIRBs) 14.3 Search and rescue transponder beacons(SARTs) 14.4 Distress signals, signaling equipment and pyrotechnics	1.5
15 First aid 15.1 Resuscitation techniques 15.2 Use of first-aid kit	2.0
16 Drills in launching and recovering boats	3.0
17 Drills in launching liferafts 17.1 Davit-launched liferafts 17.2 Throw-overboard liferafts	

17.3 Boarding a liferaft from the water	
17.4 Righting an inverted liferaft	3.0
18 Drills in launching and recovering rescue boats	3.0
19 Practical exercises and evaluation	6.0
Total	31.5

5. Competence Standard/Course Syllabus Checked with up-to-date STCW/IMO Model Course:

Knowledge, Understanding and Proficiency	Lectures, demonstrations and practical exercises Approximate time (Hours)
1 Introduction and safety 1.1 Introduction 1.2 Safety guidance	0.5
2 General 2.1 Emergency situations 2.2 Training, drills and operational readiness 2.3 Actions to be taken when called to survival craft stations.	1.5
2 Abandon Ship 3.1 Actions to be taken when required to abandon ship 3.2 Actions to be taken when in the water	0.5
3 Survival craft and rescue boats 4.1 Lifeboats 4.2 Life rafts 4.3 Rescue boats	0.75
5 Launching arrangements 5.1 Boat davits 5.2 Life raft davits 5.3 Rescue boat davits 5.4 Free-fall 5.5 Float-free arrangements 5.6 Marine evacuation systems	1.25
6 Evacuation and recovery of survival craft and rescue boats 6.1 Launching 6.2 Clearing the ship's side 6.3 Marshalling liferafts and rescuing survivors from the sea 6.4 Recovery of survival craft and rescue boats 6.5 Launching survival craft and rescue boats in rough sea 6.6 Recovery of rescue boats in rough sea	1.25
7 Actions to take when clear of the ship	0.25
8 Lifeboat engine and accessories 8.1 Starting the engine 8.2 Cooling systems 8.3 Battery charging 8.4 Fire extinguisher 8.5 Water spray system 8.6 Self-contained air support system	1.5
9 Rescue boat outboard engine	1.0
10 Handling survival craft and rescue boats in rough weather 10.1 Boats 10.2 Liferafts	

10.3 Beaching	0.75
11 Actions to take when aboard a survival craft 11.1 Initial actions 11.2 Routines for survival 11.3 Use of equipment 11.4 Apportionment of food and water 11.5 Action to take to maximize detectability and location of survival craft	1.5
12 Methods of helicopter rescue 12.1 Communicating with the helicopter 12.2 Evacuation from ship and survival craft 12.3 Helicopter pick-up	1.25
13 Hypothermia	1.0
14 Radio equipment 14.1 Two-way VHF radiotelephone apparatus 14.2 Emergency position-indicating radio beacons(EPIRBs) 14.3 Search and rescue transponder beacons(SARTs) 14.4 Distress signals, signaling equipment and pyrotechnics	1.5
15 First aid 15.1 Resuscitation techniques 15.2 Use of first-aid kit	2.0
16 Drills in launching and recovering boats	3.0
17 Drills in launching liferafts 17.1 Davit-launched liferafts 17.2 Throw-overboard liferafts 17.3 Boarding a liferaft from the water 17.4 Righting an inverted liferaft	3.0
18 Drills in launching and recovering rescue boats	3.0
19 Practical exercises and evaluation	6.0
Total	31.5

6. Entry Standard, Selection Criteria of Students:

A candidate must have SSC or higher certificate, with science back ground.

Age: More than 16 years.

Health: Good health condition to be certified by a qualified doctor.

7. Intake limitation, with specific mention Instructor-student ratio:

For practical exercises student/teacher ratio should not exceed 10:1

8. Qualification and experience of instructors:

Minimum qualification of any instructor must be Class 1 Deck Officer/Class 1 Marine Engineer Officer Certificate of Competency, with certificate of proficiency in Survival Craft & Rescue Boat.

9. Qualification and experience of assessors:

For practical exercises, there should be a minimum of two suitably qualified staff available. The person conducting the practical training must be in possession of a recognized First Aid qualification. The person conducting the practical training should also be in possession of a recognized life saving qualification.

10. Details Facilities & Equipment, materials and resources available for the training; Visual aids lecture Notes, Library facilities, Rental documents, Workshops Training Equipment: Navigational, Engineering, Communication, Seamanship etc:

Classroom facilities with overhead projector, white board, Television and instructional video, Survival equipments including lifeboats, life rafts, lifejackets, lifebuoys, etc.

11. Conduct of Training with number of classroom lectures, practical work use of simulator, video etc:

Day/Days	0900-0945		0945-1030	1030-1115	Tea Break	1145-1230		1230-1315	1315-1400
1 st Day	Introduction & Safety (MI)			General (AR)		General (AR)		Abandon Ship (MI)	
2 nd Day	Survival Craft & Rescue Boat (MI)			Launching Arrangement (AR)		Launching Arrangement (AR)			
3 rd Day	Evacuation & Recovery of SC & RB (MI)			Action after clear the ship (AR)		Life boat Engine & Accessories (SH)			RB & Out board Engine (RA)
4 th Day	Handling of SC&RB in rough weather (MI)					Action when aboard SC (AR)		Helicopter Rescue (AR)	
5 th Day	Helicopter Rescue (AR)	Hypothermia (FR)		First Aid (FR)		First Aid (FR)		Radio Equipment (MI)	
6 th Day	Drill associated with Life boat (DA)					Drill associated with Life boat (DA)		Drill associated with Life Raft (AR)	
7 th Day	Drill associated with Life Raft (AR)			Drill associated with Rescue boat (DA)		Drill associated with Rescue boat (DA)			
8 th Day	Assessment (Written)			Assessment (Oral & Practical)	Assessment (Oral & Practical)		--	--	

12. Total duration of Training; Duration of Practical's:

Total- 31.5 hrs.

Theory- 13.25 hrs.

Practical- 6.00 hrs.

13. Assessment procedure, whether independent of instruction or continuous performance evaluation:

The training is organized so that, by demonstration, trainees are able to show that they meet the requirements of below mentioned column 2 of Table A-VI/1-1 in accordance with the methods for demonstrating competence shown in column 3 of that table and the criteria for evaluating competence in column 4, by short answer, multiple choice, fill in the blanks and true/false type questions written test and by practical assessment, direct observation, oral questioning, simulation in practical test.

In case of failure, the student will be readmitted to the next batch of student.

14. Formats of certificate to be issued with correct reference to STCW and reference to approval and authorization by the Department of Shipping and contact point of the issuing institution for verifying authenticity:



Course Completion Certificate
PROFICIENCY IN SURVIVAL CRAFT AND RESCUE BOATS OTHER THAN FAST
RESCUE BOATS

This is to certify that, Mr. MOHAMMED ABU SUFIAN Son of Mr. LATE SULTAN AHMED, Date & Place of Birth 05-05-1970 & CHITTAGONG, C.D.C.No. T/29236 has successfully completed course on **PROFICIENCY IN SURVIVAL CRAFT AND RESCUE BOATS OTHER THAN FAST RESCUE BOATS** conducted from 28-08-2016 to 06-09-2016 at the National Maritime Institute, Chittagong, Bangladesh

Issue Date: 26-09-2016 and Expiry Date 26-09-2021

Has been found duly qualified and satisfied the condition in accordance with the provisions of Regulation VI/2 Paragraph 1 of Annex to the International convention on standards of Training, certification and watch keeping for seafarers(STCW), 1978 as amended.



NMI will maintain a data-base of all the students who have completed the course. The following records for each individual will be kept so as to ensure that the certificate is issued to a candidate who have met the requirements as laid down by the governing authority regarding issuance of a certificate on Bridge Resource Management.

- Application form
- Assessment papers after completion of course
- Attendance Sheet
- Attested Xerox copy of the issued certificates & licenses
- A registered data-base in hard copy and soft form

The institute maintains quality standard system ISO 9001:2008, Certified by DNV GL

Will be complied as per DOS Instruction.

Students and Instructor attendance sheet attached.

Annex- 03

The logo of the National Maritime Institute (NMI) is circular. It features a central anchor surrounded by the words "NATIONAL MARITIME INSTITUTE". Above the circle, it says "OFFICE OF THE DIRECTOR GENERAL", and below it, "MARINE SAFETY AND SECURITY".

NATIONAL MARITIME INSTITUTE

TRAINING RECORD

Instructor:

Venue:

Subject:

Brief description on training material:

Attendance:

Name & rank	Sign	Name & rank	Sign	Name & rank	Sign

Signature
Management Representative

Signature
Principal

NMI-QP-F-04-R1
Rev.: 01(10/2013)

Prepared by:
MR

Reviewed by:
PRICIPAL

Approved by:
DG(DOS)

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