

IMO STCW-F Basic Safety Training for All Fishing Vessel Personnel

Green text is added text from the FISH Platform Syllabus on the general objectives for IMO STCW-F Basic Safety Training for All Fishing Vessel Personnel.

Red text is de text that from the STCW Basic Training and was not included in the FISH Platform Syllabus.

Black text is the text in both the FISH Platform syllabus as in the STCW Basic Training.

Table A-VI/1-1

Specification of minimum standard of competence in personal survival techniques

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Survive at sea in the event of ship abandonment	<p>Types of emergency situations which may occur, such as collision, fire, foundering</p> <p>Types of lifesaving appliances normally carried on ships or fishing vessels</p> <p>Equipment in survival craft</p> <p>Location of personal lifesaving appliances</p> <p>Principles concerning survival, including:</p> <ol style="list-style-type: none"> .1 value of training and drills .2 personal protective clothing and equipment .3 need to be ready for any emergency .4 actions to be taken when called to survival craft stations .5 actions to be taken when required to abandon ship .6 actions to be taken when in the water .7 actions to be taken when aboard a survival craft .8 main dangers to survivors .9 actions to be taken under rescue operations by a helicopter .10 getting the survival craft quickly clear of the fishing vessel and 	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course or approved in-service experience and examination, including practical demonstration of competence to:</p> <ol style="list-style-type: none"> .1 don and use a lifejacket .2 don and use an immersion suit .3 safely jump from a height into the water .4 right an inverted liferaft while wearing a lifejacket or immersion suit .5 swim while wearing a lifejacket or immersion suit .6 keep afloat without a lifejacket or immersion suit .7 board a survival craft from the ship and water while wearing a lifejacket or immersion suit .8 assist others to board a survival craft 	<p>Action taken on identifying muster signals is appropriate to the indicated emergency and complies with established procedures</p> <p>The timing and sequence of individual actions are appropriate to the prevailing circumstance and conditions and minimize potential dangers and threats to survival</p> <p>Method of boarding survival craft is appropriate and avoids dangers to other survivors</p> <p>Initial actions after leaving the ship and procedures and actions in water minimize threats to survival</p>

	<p>fishing gear</p> <p>Man overboard procedures.</p>	<p>.9 take initial actions on boarding survival craft to enhance chance of survival</p> <p>.10 stream a drogue or sea-anchor</p> <p>.11 operate survival craft equipment</p> <p>.12 operate location devices, including radio equipment</p> <p>.13 safely use helicopter sling</p> <p>.14 launching of survival craft</p>	
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Table A-VI/1-2

Specification of minimum standard of competence in fire prevention and fire fighting

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
<p>Minimize the risk of fire and maintain a state of readiness to respond to emergency situations involving fire</p>	<p>Shipboard firefighting organization</p> <p>Location of firefighting appliances and emergency escape routes</p> <p>The elements of fire and explosion (the fire triangle)</p> <p>Types and sources of ignition</p> <p>Characterise flammable materials by:</p> <ul style="list-style-type: none"> .1 flammability .2 ignition point .3 burning temperature .4 burning speed .5 thermal value .6 lower flammable limit (LFL) .7 upper flammable limit (UFL) .8 flammable range .9 inerting .10 static electricity .11 flashpoint .12 auto-ignition <p>Fire hazards and spread of fire by</p> <ul style="list-style-type: none"> .1 radiation .2 convection .3 conduction <p>with emphasis on dangers associated with freezing equipment.</p> <p>Knowledge of the main causes of fires on board ships, like</p>	<p>Assessment of evidence obtained from approved instruction or attendance at an approved course</p>	<p>Initial actions on becoming aware of an emergency conform with accepted practices and procedures</p> <p>Action taken on identifying muster signals is appropriate to the indicated emergency and complies with established procedures</p>

	<ul style="list-style-type: none">.1 oil leakage in engine-room.2 cigarettes.3 overheating (bearings).4 galley appliances (stoves, flues, fryers, hotplates, etc.).5 spontaneous ignition (wastes, etc.).6 hot work (welding, cutting, etc.).7 electrical apparatus (short circuit, non-professional repairs).8 reaction, self-heating and auto-ignition <p>The need for constant vigilance</p> <p>Actions to be taken on board ship</p> <p>Initial response discover fire:</p> <ul style="list-style-type: none">.1 sounding alarm.2 locating and isolating.3 extinguish.4 establish fire watch for reignition <p>Fire and smoke detection and automatic alarm systems</p> <p>Classification of fire and applicable extinguishing agents</p> <p>Practical knowledge of re-entry procedures</p> <p>Fire prevention measures as there are:</p> <ul style="list-style-type: none">.1 security provisions to help prevent wilful fire raising and arson.2 prohibition on smoking.3 positioning of heat sources to prevent		
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	<p>contact with combustible material</p> <p>4. systems of work to prevent accumulation of easily ignitable rubbish or paper</p> <p>.5 control of using blowlamps, cutting or welding equipment.</p> <p>.6 risk assessment and control in the purchasing of articles and substances to avoid the introduction of fire hazards where possible</p> <p>.7 risk assessment and control for the use of articles and substances which pose fire hazards to avoid the manifestation of fire risks</p> <p>.8 maintenance programmes for electrical wiring and appliances</p> <p>.9 adequate cleaning of work areas</p> <p>.10 adequate supervision of cooking facilities</p>		
Fight and extinguish fires	<p>Fire-fighting equipment and its location on board</p> <p>Instruction in:</p> <p>.1 fixed installations</p> <p>.2 fire-fighter's outfits</p> <p>.3 personal equipment</p> <p>.4 fire-fighting appliances and equipment</p> <p>.5 fire-fighting methods</p> <p>.6 fire-fighting agents, the effect on the elements in the fire triangle and the effect of the use of the wrong agent</p> <p>.7 fire-fighting procedures</p> <p>.8 use of breathing apparatus for fighting fires and effecting rescues</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course, including practical demonstration in spaces which provide truly realistic training conditions (e.g., simulated shipboard conditions) and, whenever possible and practical, in darkness, of the ability to:</p> <p>.1 use various types of portable fire extinguishers</p> <p>.2 use self-contained breathing apparatus</p> <p>.3 extinguish smaller fires, e.g., electrical</p>	<p>Clothing and equipment are appropriate to the nature of the firefighting operations</p> <p>The timing and sequence of individual actions are appropriate to the prevailing circumstances and conditions</p> <p>Extinguishment of fire is achieved using appropriate procedures, techniques and firefighting agents</p> <p>Breathing apparatus procedures and techniques comply with accepted practices and procedures</p>

		<p>fires, oil fires, propane fires</p> <p>.4 extinguish extensive fires with water, using jet and spray nozzles</p> <p>.5 extinguish fires with foam, powder or any other suitable chemical agent</p> <p>.6 enter and pass through, with lifeline but without breathing apparatus, a compartment into which high- expansion foam has been injected</p> <p>.7 fight fire in smoke- filled enclosed spaces wearing self- contained breathing apparatus</p> <p>.8 extinguish fire with water fog or any other suitable firefighting agent in an accommodation room or simulated engine-room with fire and heavy smoke</p> <p>.9 extinguish oil fire with fog applicator and spray nozzles, dry chemical powder or foam applicators</p> <p>.10 effect a rescue in a smoke-filled space wearing breathing apparatus</p>	
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Table A-VI/1-3

Specification of minimum standard of competence in elementary first aid

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Take immediate action upon encountering an accident or other medical emergency	<p>Assessment of needs of casualties and threats to own safety</p> <p>Appreciation of body structure and functions</p> <p>Understanding of immediate measures to be taken in cases of emergency, including the ability to:</p> <ol style="list-style-type: none"> .1 recognise the signs and hazards of unconsciousness and the appropriate measures .2 position casualty .3 keep the air passage clear .4 apply resuscitation techniques .5 identify severity of internal/external bleeding and control bleeding .6 apply appropriate measures of basic shock management .7 apply appropriate measures in event of burns and scalds, including accidents caused by electric current .8 rescue and transport a casualty, alone or with assistance of a third person, taking into account confined spaces and different heights on board, including: <ol style="list-style-type: none"> a) temporary ad hoc aids for transport b) stretcher transport c) transport on chair d) transport with triangular cloth 	Assessment of evidence obtained from approved instruction or during attendance at an approved course	<p>The manner and timing of raising the alarm is appropriate to the circumstances of the accident or medical emergency</p> <p>The identification of probable cause, nature and extent of injuries is prompt and complete, and the priority and sequence of actions is proportional to any potential threat to life</p> <p>Risk of further harm to self and casualty is minimized at all times</p> <p>Application of resuscitation techniques</p>

	<p>e) hazards of transport in case of injury of pelvis and spine</p> <p>.9 improvise bandages and use materials in the emergency kit</p> <p>The availability of radio medical advice and methods of obtaining such advice</p> <p>The information needed to provide to the medical advisor, including but not limited to:</p> <p>.1 name of the person .2 age .3 sex .4 what happened .5 visible signs .6 responsiveness .7 breathless test .8 breathing rate .9 pulse .10 temperature .11 pain (scale 1 to 10) .12 medical problems (current – past) .13 allergies .14 medications .15 treatment already given .16 scale of medicine chest onboard: - category A - category B - category C</p>		
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Table A-VI/1-4

Specification of minimum standard of competence in personal safety and social responsibilities

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Comply with emergency procedures	<p>Understanding of the term emergency</p> <p>Types of emergency which may occur, such as collision, fire, foundering and gas alarm</p> <p>Knowledge of shipboard contingency plans for response to emergencies</p> <p>Emergency signals and specific duties allocated to crew members in the muster list; muster stations; correct use of personal safety equipment</p> <p>Action to take on discovering potential emergency, including fire, collision, foundering and ingress of water into the ship</p> <p>Action to take on hearing emergency alarm signals, including but not limited to gas alarm</p> <p>Value of training and drills</p> <p>Consequences of panic</p> <p>Knowledge of escape routes and internal communication and alarm systems</p> <p>Knowledge of the dangers of entering enclosed spaces</p> <p>Knowledge how to take necessary precautions before entering an enclosed space</p> <p>Understanding of the immediate and correct action to assist a distressed craft.</p>	Assessment of evidence obtained from approved instruction or during attendance at an approved course	<p>Initial action on becoming aware of an emergency conforms to established emergency response procedures</p> <p>Information given on raising alarm is prompt, accurate, complete and clear</p>

	<p>All fishing vessel personnel should have the und, including the ability:</p> <ul style="list-style-type: none"> .1 to prepare for possible SAR action on scene to assist a distressed craft .2 of the following visual means of communication: <ul style="list-style-type: none"> (a) signalling lamp; (b) international code flags; and (c) international distress signals .3 of factors affecting observer effectiveness .4 how to take immediate care of survivors. 		
<p>Prevention of shipboard accidents</p>	<p>Be able to complete a risk assessments by:</p> <ul style="list-style-type: none"> .1 identifying hazards .2 identifying associated risks .3 decide on appropriate control measures .4 predicting potential outcomes .5 determine level of risk <p>Be able to define risk reduction methods, including:</p> <ul style="list-style-type: none"> .1 elimination .2 guarding hazards and persons .3 procedures and training .4 Personal Protective Equipment (PPE) .5 signage .6 maintenance <p>Understand the methods of safety management appropriate to fishing vessels, including:</p> <ul style="list-style-type: none"> .1 policy statement .2 risk assessment .3 crew induction .4 onboard training .5 working procedures .6 maintenance schedules .7 fishing vessel design .8 checklists 	<p>Assessment of evidence obtained from approved instruction or attendance at an approved course</p>	<p>General subject for risk can identified</p> <p>Order in measures for risk elimination and risk reduction can be determined</p> <p>Describe methods of risk management including risk assessment and last minute risk assessment</p>

	<p>.9 health surveillance .10 agreed common language</p> <p>Be able to participate in continued monitoring of improvement of safety by:</p> <p>.1 understanding reasons for revising existing safety methods, including: (i) preventive action; (ii) corrective action</p> <p>.2 understanding of guidance to support revision process, including: (i) existing methods (ii) legislation (iii) accident incident and near miss reports</p> <p>.3 evaluating at least the following options necessary for the successful implementation of changes: (i) feasibility of proposed changes; (ii) the effectiveness of the implementation (iii) the current behaviour/culture on board.</p>		
<p>Near miss, accident and incident</p>	<p>Be able to recognise a near miss, incident and accident</p> <p>Have knowledge about the elements of a near miss, incident and accident, including:</p> <p>.1 identify root cause .2 recognising contributing factors .3 evaluating relevant outcomes .4 able to determine the difference between a near miss, incident and accident</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>The identification of elements of a near miss, incident and accident</p> <p>Report near miss, incident or accident</p>

	<p>Be able to stop further development of a near miss, incident and accident, including the safe isolation of equipment, machinery and systems;</p> <p>Be able to identify evidence that is deemed relevant to an accident, incident or near miss, including;</p> <ul style="list-style-type: none"> .1 general circumstances .2 root cause .3 contributing factors <p>Be able to identify the requirements and reasons to preserve evidence</p> <p>Be able to report an accident, incident or near misses because of;</p> <ul style="list-style-type: none"> .1 legislative reasons .2 internal safety reasons .3 confidentiality reasons 		
<p>Take precautions to prevent pollution of the marine environment</p>	<p>Basic knowledge of what marine pollution is</p> <p>Be able to identify and report pollutants that may affect the marine environment</p> <p>Basic knowledge of the impact of shipping on the marine environment, fishing industry and the effects of operational or accidental pollution on it</p> <p>Recognize sources of marine pollution and have an understanding of the types of pollution</p> <p>Basic environmental protection procedures</p> <p>Basic knowledge of complexity and diversity of the marine environment</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Organizational procedures designed to safeguard the marine environment are observed at all times</p>

	<p>Recognize and take measures to prevent pollution by lost fishing gear.</p> <p>Be able to record activities, where applicable, in the following but not limited activities:</p> <ol style="list-style-type: none"> .1 fuelling; .2 garbage treatment; .3 sewage; and .4 handling discharge; .5 pumping and processing bilge water .6 disposal of waste oil <p>Recognise and take measures to prevent pollution by lost fishing gear.</p> <p>Have awareness of differences in the implication of international legislation</p> <p>Be able to understand the structure of MRPOL and identify responsibilities under the MARPOL regulations</p> <p>Know the mandatory requirements applicable to fishers and fishing vessels in their flag, port states and fishing grounds in the area of operation</p>		
<p>Monitor compliance with legislative requirements</p>	<p>Knowledge of the mandatory requirements applicable to fishers and fishing vessels in their flag and port states</p>	<p>Assessment of evidence obtained from examination or approved training</p>	<p>Legislative requirements relating to safety of life at sea, security and protection of the marine environment are correctly identified</p>
<p>Observe safe working practices</p>	<p>Importance of adhering to safe working practices at all times</p> <p>Safety and protective devices available to protect against potential hazards aboard ship</p> <p>Precautions to be taken prior to entering enclosed spaces</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Safe working practices are observed, and appropriate safety and protective equipment is correctly used at all times</p>

	Familiarization with international measures concerning accident prevention and occupational health*		
Contribute to effective communications on board ship	Understand the principles of, and barriers to, effective communication between individuals and teams within the ship Ability to establish and maintain effective communications	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Communications are clear and effective at all times
Contribute to effective human relationships on board ship	Importance of maintaining good human and working relationships aboard ship Basic teamworking principles and practice, including conflict resolution Social responsibilities; employment conditions; individual rights and obligations; dangers of drug and alcohol abuse	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Expected standards of work and behaviour are observed at all times
Understand and take necessary actions to control fatigue	Importance of obtaining the necessary rest Effects of sleep, schedules, and the circadian rhythm on fatigue Effects of physical stressors on seafarers Effects of environmental stressors in and outside the ship and their impact on seafarers Effects of schedule changes on seafarer fatigue	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Fatigue management practices are observed and appropriate actions are used at all times

* The ILO Code of Practice on Accident prevention on board ship at sea and in port may be of assistance in the preparation of courses.