

SUB-COMMITTEE ON HUMAN ELEMENT,
TRAINING AND WATCHKEEPING
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Agenda item 6

HTW 6/6/4
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COMPREHENSIVE REVIEW OF THE 1995 STCW-F CONVENTION

Proposed amendments to the basic safety training for all fishing vessel personnel

Submitted by Japan and ITF

SUMMARY

Executive summary: This document provides a revised proposal on draft amendments to the basic safety training for all fishing vessel personnel of the 1995 STCW-F Convention for consideration by the Sub-Committee

Strategic direction, if applicable: 1

Output: 1.22

Action to be taken: Paragraph 11

Related documents: MSC 95/19/3; HTW 3/6, HTW 3/19; MSC 96/25; HTW 4/WP.4, HTW 4/16; HTW 5/6, HTW 5/WP.4 and HTW 5/16

Introduction

1 At HTW 4, Japan proposed a base document (HTW 4/6) for the comprehensive review of the 1995 STCW-F Convention including draft revised regulations and a draft new STCW-F Code.

2 A working group was established at HTW 4 and HTW 5, and a correspondence group was established at HTW 4 and HTW 5 and, as a result of the discussions, certain progress has been made so far.

3 At present, the HTW Sub-Committee has agreed on most of the parts of chapters I, II and the corresponding parts of the STCW-F Code, which have been aligned with the STCW Convention and Code with regard to their relevant provisions.

4 However, draft provisions of chapter III, which provides basic safety training for all fishing vessel personnel, have not been revised at all in the original STCW-F Convention.

Discussion

5 It is clear that basic safety training is quite important to ensure the safety of life at sea, and some competences gained by that training need to be revalidated.

6 It should be in line with the provisions of the STCW Convention to avoid an additional burden on the Administrations if they have to develop a new framework and training courses.

7 For alignment with the STCW Convention and the Code, the basic safety training should consist of chapter III in the STCW-F Convention taking into account section A-VI/1 of the STCW Code including the competence tables.

8 Differences between the nature of fishing vessels and merchant ships should be considered. Some provisions of the STCW Convention and the Code would be inadequate to apply to fishing vessels.

9 Exemption for fishing vessels operating in limited waters should be provided to avoid unreasonable burden and to align with the STCW Convention and the Code as appropriate.

Proposal

10 Taking into account the above discussions, the co-sponsors would like to propose the new draft chapter III of the STCW-F Convention and a corresponding chapter in the draft Code, as set out in the annex.

Action requested of the Sub-Committee

11 The Sub-Committee is invited to consider the proposed amendments set out in the annex and take action, as appropriate.

ANNEX

Chapter III

Basic safety training for all fishing vessel personnel

Regulation III/1

Mandatory minimum requirements for basic training and instruction for all fishing vessel personnel

- 1 Fishing vessel personnel shall receive basic training or instruction in accordance with section A-III/1 of the STCW-F Code and shall meet the appropriate standard of competence specified therein.

- 2 Where basic training is not included in the qualification for the certificate to be issued, a certificate of proficiency shall be issued, indicating that the holder has attended the course in basic training.

Chapter III

Standards regarding basic safety training for all fishing vessel personnel

Section A-III/1

Mandatory minimum requirements for basic training and instruction for all fishing vessel personnel

Basic training¹

1 Fishing vessel personnel employed or engaged in any capacity on board the fishing vessel on the business of that fishing vessel as part of the fishing vessel's complement with designated safety or pollution-prevention duties in the operation of the fishing vessel shall, before being assigned to any shipboard duties:

- .1 receive appropriate approved basic training or instruction in:
 - .1 personal survival techniques as set out in table A-III/1-1;
 - .2 fire prevention and fire fighting as set out in table A-III/1-2;
 - .3 elementary first aid as set out in table A-III/1-3; and
 - .4 personal safety and social responsibilities as set out in table A-III/1-4;
- .2 be required to provide evidence of having achieved the required standard of competence to undertake the tasks, duties and responsibilities listed in column 1 of tables A-III/1-1, A-III/1-2, A-III/1-3 and A-III/1-4 through:
 - .1 demonstration of competence, in accordance with the methods and the criteria for evaluating competence tabulated in columns 3 and 4 of those tables; and
 - .2 examination or continuous assessment as part of an approved training programme in the subjects listed in column 2 of those tables.

2 Fishing vessel personnel qualified in accordance with paragraph 1 in basic training shall be required, every five years, to provide evidence of having maintained the required standard of competence, to undertake the tasks, duties and responsibilities listed in column 1 of tables A-III/1-1 and A-III/1-2.

3 Parties may accept onboard training and experience for maintaining the required standard of competence in the following areas:

- .1 personal survival techniques as set out in table A-III/1-1:
 - .1 don a lifejacket;
 - .2 board a survival craft from the ship, while wearing a lifejacket;

¹ The relevant IMO model course(s) may assist in the preparation of training material.

- .3 take initial actions on boarding a lifeboat to enhance chance of survival;
- .4 stream a lifeboat drogue or sea-anchor;
- .5 operate survival craft equipment; and
- .6 operate location devices, including radio equipment;
- .2 fire prevention and fire fighting as set out in table A-III/1-2:
 - .1 use self-contained breathing apparatus; and
 - .2 effect a rescue in a smoke-filled space, using an approved smoke-generating device aboard, while wearing a breathing apparatus.

Exemptions

4 The Administration may, in respect of fishing vessel of [24 metres in length] and/or over operating in limited waters, if it considers that a fishing vessel's size and the length or character of its voyage are such as to render the application of the full requirements of this section unreasonable or impracticable, exempt to that extent the fishing vessel personnel on such a fishing vessel or class of fishing vessel from some [or all] of the requirements, bearing in mind the safety of people on board, the ship and property and the protection of the marine environment.

Table A-III/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
<p>[Personal survival techniques]</p> <p>OR</p> <p>[Survive at sea in the event of ship abandonment]</p>	<p>Types of emergency situations which may occur, such as collision, fire, foundering</p> <p>Types of life-saving appliances normally carried on ships</p> <p>Equipment in survival craft</p> <p>Location of personal life-saving appliances</p> <p>Principles concerning survival, including:</p> <p>.1 value of training and drills</p> <p>.2 personal protective clothing and equipment</p> <p>.3 need to be ready for any emergency</p> <p>.4 actions to be taken when called to survival craft stations</p> <p>.5 actions to be taken when required to abandon ship</p> <p>.6 actions to be taken when in the water</p> <p>.7 actions to be taken when aboard a survival craft</p> <p>.8 main dangers to survivors</p>	<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> <p>.1 don a lifejacket</p> <p>.2 don and use an immersion suit</p> <p>.3 safely jump from a height into the water</p> <p>.4 right an inverted liferaft while wearing a lifejacket</p> <p>.5 swim while wearing a lifejacket</p> <p>.6 keep afloat without a lifejacket</p> <p>.7 board a survival craft from the ship and water while wearing a lifejacket</p> <p>.8 take initial actions on boarding survival craft to enhance chance of survival</p> <p>.9 stream a drogue or sea anchor</p> <p>.10 operate survival craft equipment</p> <p>.11 operate location devices, including radio equipment</p>	<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>

Table A-III/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>[Fire prevention and fire fighting]</p> <p>OR</p> <p>[1 Minimize the risk of fire and maintain a state of readiness to respond to emergency situations involving fire]</p>	<p>Shipboard fire-fighting organization</p> <p>Location of fire-fighting 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>Flammable materials, fire hazards and spread of fire</p> <p>The need for constant vigilance</p> <p>Actions to be taken on board ship</p> <p>Fire and smoke detection and automatic alarm systems</p> <p>Classification of fire and applicable extinguishing agents</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>
<p>[2 Fight and extinguish fires]</p>	<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>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>Clothing and equipment are appropriate to the nature of the fire-fighting operations</p> <p>The timing and sequence of individual actions are appropriate to the prevailing circumstances and conditions</p>

	<p>.5 fire-fighting methods</p> <p>.6 fire-fighting agents</p> <p>.7 fire-fighting procedures</p> <p>.8 use of breathing apparatus for fighting fires and effecting rescues</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 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 fire-fighting 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>	<p>Extinguishment of fire is achieved using appropriate procedures, techniques and fire-fighting agents</p> <p>Breathing apparatus procedures and techniques comply with accepted practices and procedures</p>
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Table A-III/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
<p>[Elementary first aid]</p> <p>OR</p> <p>[Take immediate action upon encountering an accident or other medical emergency]</p>	<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> <p>.1 position casualty</p> <p>.2 apply resuscitation techniques</p> <p>.3 control bleeding</p> <p>.4 apply appropriate measures of basic shock management</p> <p>.5 apply appropriate measures in event of burns and scalds, including accidents caused by electric current</p> <p>.6 rescue and transport a casualty</p> <p>.7 improvise bandages and use materials in the emergency kit</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<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>

Table A-III/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
1 [Emergency procedures] OR [Comply with emergency procedures]	<p>Types of emergency which may occur, such as collision, fire, foundering</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</p> <p>Value of training and drills</p> <p>Knowledge of escape routes and internal communication and alarm systems</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<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>
2 [Prevention of marine pollution] OR	<p>Basic knowledge of the impact of shipping on the marine environment and the effects of operational or accidental pollution on it</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>[Take precautions to prevent pollution of the marine environment]</p>	<p>Basic environmental protection procedures</p> <p>Basic knowledge of complexity and diversity of the marine environment</p>		
<p>3 [Prevention of shipboard accidents]</p> <p>OR</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>Familiarization with international measures concerning accident prevention and occupational health²</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>
<p>[4 Contribute to effective communications on board ship</p>	<p>Understand the principles of, and barriers to, effective communication between individuals and teams within the ship</p> <p>Ability to establish and maintain effective communications</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Communications are clear and effective at all times]</p>
<p>[5 Contribute to effective human relationships on board ship</p>	<p>Importance of maintaining good human and working relationships aboard ship</p> <p>Basic teamworking principles and practice, including conflict resolution</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Expected standards of work and behaviour are observed at all times]</p>

² 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.

	Social responsibilities; employment conditions; individual rights and obligations; dangers of drug and alcohol abuse		
[6 Understand and take necessary actions to control fatigue	<p>Importance of obtaining the necessary rest</p> <p>Effects of sleep, schedules, and the circadian rhythm on fatigue</p> <p>Effects of physical stressors on seafarers</p> <p>Effects of environmental stressors in and outside the ship and their impact on seafarers</p> <p>Effects of schedule changes on seafarer fatigue</p>	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]
