

INTERSESSIONAL WORKING GROUP ON
THE REVIEW OF THE STCW-F CONVENTION
1st meeting
Agenda item 2

ISWG/STCW-F 1/2
8 January 2020
ENGLISH ONLY

**CONSIDERATION OF CHAPTER III OF THE REVISED DRAFT ANNEX TO THE
STCW-F CONVENTION AND ITS CORRESPONDING SECTION IN
PART A OF THE DRAFT STCW-F CODE**

Proposed amendments to the basic training for all fishing vessel personnel

Submitted by Japan, the Netherlands and ITF

SUMMARY

Executive summary: This document provides a revised proposal on draft amendments to the basic training, contained in the 1995 STCW-F Convention, for all fishing vessel personnel for consideration by the Intersessional Working Group (ISWG)

Strategic direction, if applicable: 1

Output: 1.22

Action to be taken: Paragraph 15

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, HTW 5/16; HTW 6/WP.5, HTW 6/6/4, HTW 6/INF.8 and HTW 6/13

Introduction

1 HTW 6 considered document HTW 6/6/4 (Japan and ITF), providing a revised proposal on draft amendments to the basic training for all fishing vessel personnel (chapter III of the 1995 STCW-F Convention) in line with the 1978 STCW Convention, as amended, taking into account the differences between the nature of fishing vessels and merchant ships, and agreed to refer it to the Working Group on the Comprehensive Review of the 1995 STCW-F Convention established during that session for consideration and advice.

2 Furthermore, HTW 6 considered document HTW 6/INF.8 (Netherlands), providing information of the fishery module that was applied in the Netherlands in addition to the basic training of the STCW Convention, and having recognized the importance of the unique elements included in the fishery module introduced by the Netherlands, agreed to refer it to the Working Group for consideration and advice.

3 The Working Group considered draft provisions of chapter III, taking into account both documents HTW 6/6/4 and HTW 6/INF.8, as instructed by the Sub-Committee. However, it

was difficult to proceed with the work with two different documents developed in different manners. As a result, the Working Group was unable to finalize the draft text of chapter III.

4 To cope with this situation, the Working Group agreed to invite the co-sponsors of document HTW 6/6/4 and the Netherlands along with interested members to submit a proposal harmonizing elements of both documents to the ISWG, which would be held in February 2020.

Discussion

Structure

5 Taking into account that HTW 6 recognized the importance of developing more detailed requirements on basic training in line with the structure of the STCW Convention, the draft text of chapter III in the annex is aligned with the structure of chapter VI of the STCW Convention. It consists of provisions in the corresponding regulation and provisions in parts A and B of the draft STCW-F Code, including four competence tables in section A-III/1 of the draft STCW-F Code.

Regulation III/1

6 Generally, draft text of regulation III/1 is developed referring to STCW regulation VI/1. However, timing to receive the basic training is specified as “before being assigned to any ship board duties” in line with present text of chapter III of the STCW-F Convention.

Section A-III/1

7 HTW 6 was unable to agree on the scope of application of section A-III/1 during its session, and agreed to give further consideration to this matter. To develop the draft text of section A-III/1 of the draft STCW-F Code, the co-sponsors also discussed this issue, but could not come to an agreement. Therefore, most of this section is presented in square brackets and further consideration should be given by the ISWG.

8 On the other hand, HTW 6 agreed that there should be a provision enabling an Administration to exempt some, but not all, of the requirements under specific conditions.

9 Taking into account the above discussions, draft text for exemptions has been developed to enable Administrations to exempt “some of the requirements”. However, the size of the vessel for the application of the exemption is still in square brackets for further consideration.

Tables A-III/1-1, A-III/1-2, A-III/1-3 and A-III/1-4

10 Four competence tables are included in section A-III/1, i.e. specification of minimum standard of competence in personal survival techniques, firefighting, elementary first aid and personal safety and social responsibilities referring to tables A-VI/1-1, A-VI/1-2, A-VI/1-3 and A-VI/1-4 of the STCW Code.

11 Furthermore, some elements that seem particularly important or have a high relevance are added from the fishery module provided in annex to document HTW 6/INF.8.

Section B-III/1

12 Draft guidance regarding mandatory requirements for basic training for fishing vessel personnel has been developed in section B of the draft STCW-F Code.

13 Most of the elements of the fishery module are included in this guidance and all the elements of the fishery module are covered by sections A-III/1 and B-III/1.

Proposal

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

Action requested of the ISWG/STCW-F

15 The ISWG/STCW-F is invited to consider the proposed amendments set out in the annex and take action, as appropriate.

ANNEX¹

DRAFT AMENDMENTS TO THE 1995 STCW-F CONVENTION

Chapter III

Basic ~~safety~~ training for all fishing vessel personnel

Regulation III/1

~~Basic safety training for all fishing vessel personnel~~

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

1 Fishing vessel personnel shall, before being assigned to any shipboard duties, receive basic training approved by the Administration or instruction in accordance with section A-III/1 of the STCW-F Code and shall meet the appropriate standard of competence specified therein in the following areas:

- ~~.1~~ personal survival techniques, including donning of lifejackets and, as appropriate, immersion suits;
- ~~.2~~ fire prevention and fire fighting;
- ~~.3~~ emergency procedures;
- ~~.4~~ elementary first aid;
- ~~.5~~ prevention of marine pollution; and
- ~~.6~~ prevention of shipboard accidents.

~~2 In implementing the provisions of paragraph 1, the Administration shall determine whether and, if so to what extent, these provisions shall apply to personnel of small fishing vessel or personnel already employed on fishing vessels.~~

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.

¹ Tracked changes are created using "strikeout" for deleted text and "grey shading" to highlight all modifications and new insertions, including deleted text.

Chapter III

Standards regarding basic training for all fishing vessel personnel

Section A-III/1

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

Basic training²

- [1 Fishing vessel personnel 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 firefighting 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;
 - .3 take initial actions on boarding a lifeboat to enhance chance of survival;
 - .4 stream a lifeboat drogue or sea-anchor;

² The relevant IMO Model Course(s) may assist in the preparation of training material.

- .5 operate survival craft equipment; and
- .6 operate location devices, including radio equipment;
- .2 fire prevention and firefighting 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 less than [24 metres in length] and/or 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 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
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 life-saving appliances normally carried on ships including fishing vessels</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>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>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>Description of how to assist others to board a survival craft</p> <p>Initial action after identifying a man overboard situation</p>

	<p>.8 main dangers to survivors</p> <p>.9 assist others to board a survival craft</p> <p>Basic knowledge of the man overboard procedures</p>	<p>.11 operate location devices, including radio equipment</p>	
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Table A-III/1-2
Specification of minimum standard of competence in fire prevention and firefighting

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
1 Minimize the risk of fire and maintain a state of readiness to respond to emergency situations involving fire	<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>Flammable materials, fire hazards and spread of fire including but not limited to:</p> <p>.1 radiation</p> <p>.2 convection</p> <p>.3 conduction</p> <p>With emphasis on dangers associated with freezing equipment</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>
2	<p>Firefighting equipment and its</p>	<p>Assessment of evidence obtained</p>	<p>Clothing and equipment are</p>

<p>Fight and extinguish fires</p>	<p>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 firefighting appliances and equipment</p> <p>.5 firefighting methods</p> <p>.6 firefighting agents</p> <p>.7 firefighting procedures</p> <p>.8 use of breathing apparatus for fighting fires and effecting rescues</p> <p>.9 the effect of the use of the wrong agent</p>	<p>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 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</p>	<p>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>Explanation of what the effect of using the wrong extinguishing agent could be</p>
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		<p>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>	
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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>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 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 Take precautions to prevent pollution of the marine environment	<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>Basic environmental protection procedures</p> <p>Basic knowledge of complexity and diversity of the marine environment</p> <p>Recognition and measures to be taken to prevent pollution by lost fishing gear and fish packing material</p>		
<p>3 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 health³</p> <p>Understanding of the legal requirements that control safety in the fishing industry</p> <p>Understanding of health and safety hazards</p> <p>Awareness of risks on board fishing vessel specifically during fishing operation</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>

³ 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.

	Basic knowledge of fishing equipment on board fishing vessels and the safe use		
4 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
5 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
6 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

Chapter III

Guidance regarding basic training for all fishing vessel personnel

Section B-III/1

Guidance regarding mandatory requirements for basic training and instruction for all fishing vessel personnel

Personal survival techniques

1 The training in personal survival techniques required by section A-III/1 should include the following theoretical and practical knowledge:

- .1 principles concerning survival including:
 - .1 actions to be taken at rescue operations by a helicopter; and
 - .2 getting the survival craft quickly away of the fishing vessel and fishing gear.

Fire prevention and firefighting

2 The training in fire prevention and fighting required by section A-III/1 should include the following theoretical and practical knowledge:

- .1 re-entry procedure; and
- .2 fire prevention measures such as:
 - .1 prohibition of smoking;
 - .2 location of heat sources to prevent contact with combustible materials;
 - .3 control of use of blowlamps, cutting or welding equipment;
 - .4 risk assessment and purchase control of articles and substances in order to avoid the introduction of fire hazards, where possible;
 - .5 risk assessment and control of the use of articles and substances that pose fire hazards in order to avoid the introduction of fire risks;
 - .6 adequate cleanliness of working areas; and
 - .7 adequate supervision of cooking facilities.

Elementary first aid

3 The training in elementary first aid required by section A-III/1 should include the following theoretical and practical knowledge:

- .1 use of radio medical advice; and

- .2 methods to obtain radio medical advice.

Personal safety and social responsibilities

4 The training in personal safety and social responsibilities required by section A-III/1 should include the following theoretical and practical knowledge:

- .1 consequences of panic;
- .2 immediate and current action to assist a craft in distress;
- .3 risk assessment by:
 - .1 identification of hazards;
 - .2 identification of associated risk for health and safety;
 - .3 decision on appropriate control measures;
 - .4 prediction of potential outcomes; and
 - .5 determination of level of risk;
- .4 risk mitigation methods, including:
 - .1 elimination;
 - .2 guarding of hazards and persons;
 - .3 procedure and training;
 - .4 Personal Protective Equipment (PPE);
 - .5 signage; and
 - .6 maintenance;
- .5 near misses, incidents and accidents, including:
 - .1 identification of root causes;
 - .2 recognition of contributing factors;
 - .3 evaluation of relevant outcomes;
 - .4 determination of the difference between a near miss, an incident and an accident;
 - .5 prevention of further development of near misses, incidents and accidents including the safe isolation of equipment, machinery and systems and the future occurrence of near misses, incidents and accidents; and

- .6 reporting of a near miss, incident or accident according to legislative requirements, internal safety procedures and confidentiality requirements; and
- .6 communication phrases and handling of signals during fishing operations such as:
 - .1 shooting and hauling of the fishing gear;
 - .2 transferring the catch;
 - .3 working with deck and fishing gear; and
 - .4 lifting.
- 5 The training in personal safety and social responsibilities required by section A-III/1 should include awareness training in the following elements:
 - .1 methods for safety management appropriate to fishing vessels, including:
 - .1 policy statement;
 - .2 crew introduction;
 - .3 onboard training;
 - .4 working procedures;
 - .5 maintenance schedules;
 - .6 fishing vessel design;
 - .7 checklists;
 - .8 health surveillance; and
 - .9 agreed common language;
 - .2 participation in continued monitoring of improvement of safety by:
 - .1 understanding the reasons for revising existing safety methods including prevention and corrective actions;
 - .2 understanding of guidance to support revision processes including existing methods, legislation, and accident, incident and near miss reports;
 - .3 evaluating at least the following options necessary for the successful implementation of changes:
 - .1 feasibility of proposed changes;
 - .2 effectiveness of the implementation of changes; and

- .3 current behaviour/culture on board;
 - .3 recognition of a near miss, an incident and an accident;
 - .4 risks on board fishing vessels during fishing operations such as:
 - .1 shooting and hauling of the fishing gear; and
 - .2 transferring the catch;
 - .5 risks on board fishing vessels with regard to:
 - .1 falls;
 - .2 crushing;
 - .3 fluctuation and loose load; and
 - .4 cable breaks; and
 - .6 risks, hazards and safe working procedures for operational safety during:
 - .1 mooring;
 - .2 unmooring;
 - .3 working at height;
 - .4 hot work; and
 - .5 working with hazardous substances
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