



SUB-COMMITTEE ON STANDARDS OF
TRAINING AND WATCHKEEPING
39th session
Agenda item 7

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COMPREHENSIVE REVIEW OF THE STCW CONVENTION AND THE STCW CODE

Review of regulation I/12 of the STCW Convention

Submitted by International Federation of Shipmasters' Associations (IFSMA)

SUMMARY

Executive summary: This document is in response to the invitation by STW 38 to review regulation I/12 of the STCW Convention to include provisions for new and innovative technology

Action to be taken: Paragraph 3

Related document: STW 38/17

1 STW 38 endorsed the list of areas in the STCW Convention and the STCW Code identified for the comprehensive review (STW 38/17, paragraph 12.156 and annex 11), and invited the Committee to approve it and instruct the Sub-Committee to undertake the proposed review accordingly in a systematic and organized manner.

2 STW 38 had agreed that regulation I/12 of the STCW Convention to include provisions for new and innovative technology. Accordingly, IFSMA taking into account similar existing industry standards has reviewed this regulation and proposes amendments to this regulation and section A-I/12 of the STCW Code as set out in annexes 1, and 2 respectively.

Action requested of the Sub-Committee

3 The Sub-Committee is invited to note the information provided and take action as appropriate.

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ANNEX 1

PROPOSED AMENDMENTS TO THE STCW CONVENTION

Regulation I/12

*Use of simulators, **distant learning and e-learning***

1 The performance standards and other provisions set forth in section A-I/12 and such other requirements as are prescribed in part A of the STCW Code for any certificate concerned shall be complied with in respect of:

- .1 all mandatory simulator-based training;
- .2 any assessment of competency required by part A of the STCW Code which is carried out by means of a simulator; and
- .3 any demonstration, by means of a simulator, of continued proficiency required by part A of the STCW Code.

~~2 Simulators installed or brought into use prior to 1 February 2002 may be exempted from full compliance with the performance standards referred to in paragraph 1, at the discretion of the Party concerned.~~

2 Parties may allow the training of seafarers by means of methods of distant learning and e-learning in accordance with the standards and other provisions set forth in section A-I/12, Part 3.

Note:

Deleted text shown as strikethrough and new text is shaded.

ANNEX 2

PROPOSED AMENDMENTS TO THE STCW CODE

Section A-I/12

1 Amend the existing title to read as follows:

“Standards governing distant learning and e-learning”.

2 Insert the following text after paragraph 9:

“PART 3 STANDARDS FOR DISTANT LEARNING AND E-LEARNING

General provisions for on-board training by distance learning and e-learning.

10 Each party shall ensure that any distance learning and e-learning programme shall:

- .1 be provided by Maritime Education and Training establishment that is recognized by the Administration;
- .2 be suitable for the selected objectives and training tasks to meet the competence level for the subject covered;
- .3 have clear and unambiguous instructions for the students to understand how the programme operates;
- .4 the Employers must ensure that a safe learning environment is provided at sea and that there has been sufficient off duty time to enable the students to study;
- .5 provide learning outcomes that meet all the requirements to provide the underpinning knowledge and proficiency of the subject;
- .6 be structured in a way that enables the student to systematically reflect on what has been learnt by both self assessment and tutor marked assignments;
- .7 provide professional tutorial support through telephone, facsimile or e-mail communications;
- .8 Where e-learning is provided common information formats such as XML (Extensible Markup Language) which is a flexible way to share both the format and the data on the World Wide Web, intranets, and elsewhere should be used; and
- .9 The e-learning system must be secured from tampering and attempts to hack into the system.

General provisions for assessing a student's progress and achievements by on-board training by distance learning and e-learning.

11 Each party shall ensure that robust assessment procedures are provided for any distance learning and e-learning programme and shall:

- .1 be approved by Maritime Education and Training establishment that are recognized by the Administration;
 - .2 clearly inform the students the way that tests and exams are conducted and how the results are communicated;
 - .3 have questions set that are comprehensive and will adequately assess student competence;
 - .4 have questions set that are appropriate to level being examined;
 - .5 have procedures that are in place to ensure questions are kept up to date and have currency;
 - .6 establish the conditions where the examinations can take place and the procedures for invigilation to be conducted;
 - .7 provide secure procedures for the examination system so that it will prevent cheating;
 - .8 have secure validation procedures to record results for the benefit of the Administrations;
 - .9 with regard to e-learning, provide that the learning management system software application used to plan, implement, and assess a student's progress shall be of an internationally recognized procedure; and
 - .10 acknowledge that distance learning and e-learning programme can only assess knowledge gained by the student and that further steps to assess their skills and competence will have to be established by further procedures approved by the Administration.
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