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

STW 39/7/36
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COMPREHENSIVE REVIEW OF THE STCW CONVENTION AND THE STCW CODE

Review of regulation II/1 of the STCW Convention

Integrated Bridge System Training

Submitted by International Federation of Shipmasters' Associations (IFSMA)

SUMMARY

Executive summary: With regard to the comprehensive review of the STCW Convention and the STCW Code and the proposals for training in new and emerging technologies, IFSMA believes that bridge equipment has and will fundamentally change the approach to planning and conducting a passage and determining the position of a vessel and as such training in Integrated Bridge Systems (IBS) should be mandatory under section A-II/1 of the STCW Code

Action to be taken: Paragraph 4

Related document: STW 38/17

1 The Sub-Committee on Standards of Training and Watchkeeping (STW) at its thirty-eighth session (22-26 January 2007) agreed to review section A-II/1 to provide increased emphasis on enhanced navigation and in particular of berth to berth requirements, and of modern developments for integrated bridge systems, including ECDIS.

2 Whilst ECDIS is a fundamental change in the facilitation of passage planning and conduct on modern ships' bridges, there are other technologies both present and emerging that will and may affect information processing in support of maritime navigation. The "front end" human-technology interface is now represented by the Integrated Bridge System (IBS) which will be the critical path in supporting navigation decision making by the officer in charge of the navigation watch. IFSMA believe it is essential these officers are capable of operating an IBS instinctively in order to plan and conduct a passage and determine position safely and correctly.

3 Accordingly, IFSMA proposes that training in IBS is included within the training requirements in table A-II/1 of section A-II/1 of the STCW Code as set out in the annex.

Action requested of the Sub-Committee

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

ANNEX

**PROPOSED AMENDMENT TO TABLE A-II/1 OF SECTION A-II/1 OF
THE STCW CODE**

1 In table A-II/1 under the function “Navigation at operation level” the following to be inserted:

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Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Use of an Integrated Bridge System (IBS) to plan and maintain safe navigation	Thorough knowledge of the information available from Integrated Bridge System (IBS) in order to plan a passage and determine position safely.	Assessment of evidence obtained from approved Integrated Bridge System (IBS) simulator, plus in service experience	Information from IBS correctly interpreted, measured and analysed, taking into account limitations of the equipment and prevailing circumstances and conditions. All potential navigational hazards correctly identified. Reliability of the information obtained is checked at appropriate intervals. Performance checks and tests to navigation systems comply with manufacturer's recommendations and good navigational practice. Action taken to avoid a close encounter or collision with other vessels is in accordance with the International Regulations for Preventing Collisions at Sea. Decisions to alter course and/or speed are timely, made in accordance with accepted navigation practice and maintain safety of navigation.

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