

SUB-COMMITTEE ON HUMAN ELEMENT
TRAINING AND WATCHKEEPING
5th session
Agenda item 7

HTW 5/7/X
11 April 2018
ENGLISH ONLY

ROLE OF THE HUMAN ELEMENT

Proposal on Promoting the Application of Casualty Cases and
Lessons learned in Seafarers' Training and Education

Submitted by China

SUMMARY

Executive summary: This document describes the status and problem of using casualty cases and lessons learned in seafarers' education and training, and discusses the key elements concerned in the process. The Sub-Committee is suggested, in cooperation with III Sub-committee, to develop the guidance of applying casualty cases and lessons learned for seafarers' training and education.

Strategic Direction, if applicable: 1

Output: Not applicable

Action to be taken: Paragraph 11

Related documents: MSC-MEPC.1/Circ.4/Rev.4, MSC 96/25, MSC96/9/2, III 3/14, III 3/4, III 3/4/4, III 4/15, III 4/INF.33, III 4/INF.34, HTW 4/7/1, HTW 4/7/2, HTW 4/7/3, HTW 4-16

Backgrounds

1 MSC 96 instructed HTW 4 to consider MSC 96/9/2 with a view to developing a methodology on how to utilize lessons learned for seafarers' training and education; the development of further guidance in the relevant model course; and the way in which these lessons should be received, so that the casualties information could be used more effectively.

2 In accordance with the instructions of MSC 96, HTW 4 discussed and agreed that lessons learned from marine casualties would be beneficial for training of seafarers and further agreed “to await the outcome of the work undertaken by the III Sub-Committee”, and III 4 invited the Sub-Committee “to advise the Member States on the release of marine safety investigation reports to the public in the GISIS MCI module and the use of these reports for the benefit of seafarers’ training and education”.

3 Both Sub-committees of HTW and III had done a lot of work by cooperation with each other, also the key issue might be noted that results from both Sub-committees should be harmonized, as tightly as possible, *inter alia* to elaborate the process of using casualty cases and lessons learned for the seafarers’ training and education, as well as to provide guidance for maritime academies fit for purpose.

Analysis

4 Having studied the education and training of seafarers, it is obvious that, compared with the regular education of maritime theories and skills, students are more interested in the cases study and lessons learned from maritime casualties. They prefer to concentrate on and further discuss the happen-process, human-factors and root causes of the casualties, and easily gain the necessary knowledge and skills of safety and anti-pollution on board ships involved in those casualties.

5 Therefore, it is highlighted that seafarers’ direct cases study and lessons learned from casualties can effectively improve maritime safety and prevention of pollution from ships, as seafarers are the witnesses, causes or victims of casualty incidents.

6 However, seafarers can obtain some but not systematic of casualty cases and lessons learned, and only a few casualty cases and lessons learned published in the GISIS MCI are suitable to be directly applied to seafarers’ training and education. It should be further noticed that seafarers’ lessons learned, knowledge gained, and skills improved by casualty cases study also vary completely, because individual maritime academy and instructor had adopted different casualty cases and lessons learned by different means and to different degrees for seafarers’ training and education.

7 Whatever marine casualty reports publicly available in the GISIS MCI module, the cases study and lessons learned from maritime casualties in seafarers’ training and education are facing the following challenges:

- .1 how to get and edit the related casualty cases and lessons learned, as requested by individual lectured course;
- .2 what casualty cases and lessons learned should be initiated systematically for seafarers’ training of management, operational and support levels;
- .3 what methodology to achieve the effectiveness of seafarers’ training and education when using casualty cases and lessons learned.

Discussions

8 When using maritime casualty cases and lessons learned to seafarers' training and education, it is necessary to consider that,

- .1 Using maritime casualty cases and lessons learned may include both phases of cases study and lessons learned, while cases study is mostly noted to the full process of casualties happening, lessons learned is further focused on the human factors and root causes of casualties;
- .2 The different requirement between training and education, in which training is often for seafarers who have already had work experience on board ships, and education is mostly for academic students who may not have any work experience on board ships.

9 For the efficient and effective using of maritime casualty cases and lessons learned in education and training, the key elements are identified and appropriate actions are to be taken as below:

- .1 to select suitable casualty cases and lessons learned for maritime academies to develop different courses of maritime training and education, which may involve in different cases of collision, stranding, fire, pollution and so on;
- .2 to use human factors of any casualties in different teaching sessions of the training courses, which may be resulted from ship's building, survey, manning, management, operations, loading and discharge, meteorology, communication, maintenance or legislation etc.;
- .3 to identify the useful happening process and root causes of applicable casualties, in which complete texts of more casualty reports may be published necessarily in suitable ways;
- .4 to train seafarers of the management level, operational level or support level in different ways and using different key points, for case study and lessons learned from casualties accordingly, in line with the requirements of STCW code; and
- .5 to differentiate requirements of maritime education on academic students and training on seafarers with work experience on board ships.

Proposal

10 This Sub-committee may consider the relevant elements mentioned in Paragraph 9 and develop the guidance on the application of maritime casualty cases and lessons learned to seafarers' training and education, in cooperation with III Sub-committee as necessary.

Actions Taken by This Sub-Committee

11 This Sub-committee is invited to consider the proposal in Paragraph 10 and take actions as appropriate.