

SUB-COMMITTEE ON HUMAN ELEMENT,
TRAINING AND WATCHKEEPING
3rd session
Agenda item 7

HTW 3/INF.5
20 November 2015
ENGLISH ONLY

ROLE OF THE HUMAN ELEMENT

Information on a joint Education project

Submitted by the Marine Accident Investigators International Forum (MAIIF) and
The International Maritime Pilots' Association (IMPA)

SUMMARY

<i>Executive summary:</i>	This document provides information relating to the dissemination of an educational poster with simple graphics and text, to improve understanding and awareness during passage under pilotage
<i>Strategic direction:</i>	5.4
<i>High-level action:</i>	5.4.1
<i>Planned output:</i>	None
<i>Action to be taken:</i>	Paragraph 8
<i>Related documents:</i>	Resolution A.960(23) and STCW Code section A-VIII, paragraph 49

Introduction

1 The Members of MAIIF have completed numerous studies and investigations on the operational relationship between marine pilots and ship masters/watchkeeping officers.

2 For its part, IMPA has completed a number of surveys regarding operational practices on the bridge of vessels under pilotage including matters such as the initial master/pilot exchange and the nature and extent of support received from bridge teams throughout pilotage assignments.

3 Safety deficiencies associated with lack of teamwork on the bridge, including communication between marine pilots and masters/officers of the watch, is a shared concern for our two organizations.

The Joint IMPA/MAIF Project

4 The respective obligations of pilots and bridge teams are well established in various international instruments. The *Standards of Training, Certification, and Watchkeeping Code* emphasizes the importance of an ongoing exchange of information between the master and the pilot and states that "despite the duties and obligations of pilots, their presence on board does not relieve the master or officer in charge of the navigational watch from their duties and obligations for the safety of the ship." At the same time, resolution A.960(23), annex 2, paragraphs 2.3 and 2.2 states that: "Masters and bridge officers have a duty to support the pilot and to ensure that his/her actions are monitored at all times" and "The master, bridge officers and pilot share a responsibility for good communications and understanding of each other's role for the safe conduct of the vessel in pilotage waters."

5 It is well established that the pilot and the bridge team should develop a shared mental model of how a voyage will unfold. The initial master-pilot exchange is an important part of the process by which the master and the pilot can develop such a model and resolve uncertainties about how intended manoeuvres are to be carried out. It is also important that adequate communication between the pilot and the bridge team continues throughout the voyage. When the pilot and bridge officers share a similar mental model of the voyage, they are able to individually monitor the progress of manoeuvres from their different vantage points on the vessel, thereby reducing the possibility of single point failure.

6 In marine pilotage operations, effective situational awareness involves: 1) perceiving critical factors in the environment, 2) understanding what those factors mean with respect to controlling the vessel, and 3) projecting what will happen in the near future and taking appropriate action. Situational awareness is enhanced by good communication and, since the bridge team and the pilot work together towards a common goal, ongoing sharing of information is necessary for both parties to be fully effective.

7 The sponsors have, therefore, endeavoured to encapsulate these matters in a poster, as submitted in the annex, with simple graphics and accompanying text for distribution around the Industry for display in conspicuous places such as wheelhouses of ships.

Action requested of the Sub-Committee




8 The Sub-Committee is invited to note the information provided, including the wheelhouse poster set out in the annex.

ANNEX

Commit to **Safe** Navigation



SAFE NAVIGATION IN PILOTAGE WATERS IS A SHARED TASK OF THE BRIDGE TEAM AND THE PILOT

-  **SHARE** NAVIGATION INFORMATION
-  **RESPECT** EACH OTHER
-  **COMMUNICATE** THROUGHOUT THE VOYAGE
-  **WORK** TOGETHER
-  **STAY** ALERT

