

**12<sup>th</sup> CO-OPERATION FORUM UNDER THE CO-OPERATIVE MECHANISM  
ON THE SAFETY OF NAVIGATION AND ENVIRONMENTAL PROTECTION  
IN THE STRAITS OF MALACCA AND SINGAPORE**

**PO HOTEL, SEMARANG, INDONESIA  
30 SEPTEMBER – 1 OCTOBER 2019  
MEETING REPORT**

**1. Opening**

- 1.1. The 12<sup>th</sup> Co-operation Forum (the Forum) under the Co-operative Mechanism on the Straits of Malacca and Singapore (SOMS) was held on 30 September 2019 and 1 October 2019 at the PO Hotel, Semarang, Indonesia. The Forum was attended by representatives from Indonesia, Malaysia, Singapore (the littoral States), user States, International Organization/Associations and stakeholders from international maritime community. The list of participants can be found at **ANNEX A**.
- 1.2. The Forum was attended by Mr. Ganjar Pranowo, Governor of Central Java. He welcomed all delegates to the Forum to Semarang. He also thanked all delegates for coming to Semarang in order to join the 12<sup>th</sup> Co-operation Forum 2019. He highlighted that Semarang is the city which rich of culture, culinary and also tourism, and invited all delegates to enjoy it.
- 1.3. The littoral States signed an awarding plaque to Malacca Strait Council (MSC) for their continuous support and contribution for the last 50 years to enhance the safety of navigation and marine environmental protection in the Straits of Malacca and Singapore in the SOMS 1969-2019. The Minister for Transportation of Indonesia presented the plaque as a tribute to MSC of Japan for their support and contribution given to the Straits of Malacca and Singapore.
- 1.4. The MSC thanked the littoral States for the support for the last 50 years and encouraged the littoral States to consider and anticipate the future technology. They hoped that the cooperation will still be continued under the umbrella of article 43 of UNCLOS.
- 1.5. The Forum was officially opened by Mr. Budi Karya Sumadi, Minister for Transportation of the Republic of Indonesia. He noted excellent cooperation among the littoral States, user States, user of the States and related stakeholders parties who have worked together to keep the Straits of Malacca and Singapore remain safe, cleans and open for international shipping, through collaboration of initiatives undertaken, to enhance safety navigation and marine environmental protection of SOMS. He also noted that many concrete progress and completion of the straits' projects since its inception in 2007, and expressed his appreciation to contributors for their continued support and contribution in the Co-operative Mechanism especially for MSC for their support, contribution and cooperation for 50 years. The speeches delivered by Minister for Transportation, Mr. Budi Karya Sumadi and Heads of Delegation of the littoral States can be found at **ANNEX B**.

## 2. Plenary Session

- 2.1. The Forum was chaired by Mr. Agus Purnomo, Director General for Sea Transportation of Republic of Indonesia, and attended by 129 delegates from over nine countries and seven organizations. The Forum also attended by Dato' Hj. Baharin Abdul Hamid, Director General of Marine Department of Malaysia and Madam Quah Ley Hoon, Chief Executive of Maritime and Port Authority of Singapore (MPA). The remarks from Head of Delegation (HOD) of Malaysia can be found in **ANNEX C** and of Singapore can be found in **ANNEX D**.

## 3. Adoption of Agenda

- 3.1. The Forum was adopted the provisional agenda of the 12<sup>th</sup> Co-operation Forum. The agenda can be found in the **ANNEX E**. The list of participants can be found in the **ANNEX F**.

## 4. Safety of Navigation in SOMS

- 4.1. The Forum noted the following presentations:
  - 4.1.1. Update on MSS-ENC (by Mr. Oke Dwiwana Pribadi, Hydrographic and Oceanographic Center, Indonesian Navy)
  - 4.1.2. Update the designation on TSS in Sunda & Lombok Straits (by Mr. Tofan Rindoyo, DGST, Indonesia)
  - 4.1.3. Proposed Minimum Luminous Range for Existing Lighthouses in This Age of Global Navigation Satellite Systems by Using the Correlation between Light Intensity and Luminous Range (by Dr. Ahmad Faizal Bin Ahmad Fuad, University Malaysia Terengganu)
  - 4.1.4. Enhancing Safety through e-Navigation (by Mr. Tee Kim Chuan Senior Engineer, MPA Singapore)
- 4.2. Singapore congratulated Indonesia for successful adoption by the IMO on the establishment of TSS and its associated routing measures in the Sunda and Lombok Straits, and Malaysia for the research findings on luminous range for existing lighthouses including the study of maintaining long-range visual aids when the GNSS systems fail. Singapore also mentioned that there are various technologies and countries can choose among options. Interoperability is the key and systems should be able to communicate each other and should operate seamlessly and sustainably.
- 4.3. Indonesia informed the Forum that they are currently conducting study of e-Navigation in Indonesia waters comprising of e-Navigation concept and its development program. Indonesia also looked forward to cooperating with Malaysia and Singapore to develop a common concept of regional e-Navigation in SOMS which would ensure the information exchange capability within the littoral States.

- 4.4. INTERTANKO queried on when the guidance for vessel navigating through TSS in Lombok and Sunda Straits will be published and how it could be accessed. Indonesia responded that the guidance are still on progress, and invite interested stakeholders to give necessary feedbacks, and finalize it prior the commencement of the next NCSR Sub Committee Meeting.
- 4.5. Malaysia informed the Forum related with status of Malaysia e-Navigation which commenced in 2017 and extensive works are ongoing. Malaysia emphasized that littoral States shall work together to develop common guidance for data harmonization when e-Navigation is implemented in SOMS.
- 4.6. Thailand asked confirmation to Indonesia related with the implementation of the regulation on obligation of vessels to use AIS Class B in Indonesia waters. Indonesia responded that the regulation is in progress of implementation and hoped that all the vessels subject to the regulation, could comply with regulation.

## **5. Safety at Sea Policy and Future Perspectives**

- 5.1. The Forum noted the following presentations:
  - 5.1.1. Indonesia Ocean Policy Perspectives to Enhance Safety of Navigation in the Straits of Malacca and Singapore (by Mr, Odo Manuhutu, Coordinating Ministry of Maritime Affairs, Indonesia)
  - 5.1.2. Enhancing Ferry Safety through Innovation (by Ms. Eunice Pui, Assistant Manager (Safety Analysis and Promotion) MPA Singapore)
  - 5.1.3. Future of Autonomous Shipping, Malacca Straits Perspective (by Mr. Nomo Prihastha, Indonesia Classification Bureau, Indonesia)
- 5.2. Singapore thanked Indonesia for sharing the information on Indonesian Ocean Policy, and hoped that the Littoral States and Stakeholders could work together on the Safety of Navigation in SOMS.
- 5.3. Singapore informed the Forum that they are working with the local players to develop and test bed different MASS Technologies including setting up test areas and it is useful for littoral States to come together in order to prepare for eventuality of MASS in SOMS.

## **6. User States and Industries**

- 6.1. The Forum noted the following presentations:
  - 6.1.1. Japan Cooperation to Enhance Safety of Navigation in the Straits of Malacca and Singapore (by Mr. Takeharu Jofuku, Senior Deputy Director General, Maritime Bureau, Ministry of Land, Infrastructure and Transport, Japan)
  - 6.1.2. 50 years of Cooperation in the Straits of Malacca and Singapore by Malacca Strait Council of Japan (by Mr. Eiichi Kato, Executive Director, Malacca Straits Council)

- 6.1.3. Customizable Alerting Platform (CAP) (By Mr. Ezam Hanafi Bin Abdul Wahab, TM Malaysia)
- 6.2. The littoral States thanked MSC and MLIT Japan for their valuable contribution to the safety of navigation and marine environmental protection in SOMS.
- 6.3. Malaysia informed the Forum that there is a need to focus not only on safety of navigation initiatives but also the sustainability of marine environmental protection. There were some reported and unreported oil spill cases by vessel transiting in SOMS. The littoral States shall consider the new technology to detect and tracking the oil spill instead of old means to sustain planet through technology. Indonesia and Singapore shared the same views that marine environmental protection is an important issue that the littoral States should pay more attention.
- 6.4. FASA commented relating the response of the alerting system for the mariners. Malaysia responded that the response time shall refer to Standard Operating Procedure (SOP) expected not more than five minutes and also consider the availability of the message to be on broad.

## **7. Protection of Marine Environment in SOMS**

- 7.1. The Forum noted the following presentations:
  - 7.1.1. Introduction to the Workshop on Smart Maritime Management and Service in SOMS in 2019 (by Mr. Ni Liang, Deputy Director of Commanding Center Zhongshan MSA, China)
  - 7.1.2. Establish Cooperation on Oil Spill Prevention and Control from Unknown Sources (by Mr. Kus Prisetiahadi, Head of Division Marine Protection, Coordinating Ministry of Marine Affairs, Indonesia)
  - 7.1.3. Marine Litter Pollution in the Straits of Malacca and Singapore (SOMS): Improving cleanliness measurement methods for coastal and marine areas and way forward (by Ms. Cheryl Rita Kaur, MIMA, Malaysia)
  - 7.1.4. Singapore Preparation for the IMO 2020 Global Sulphur Limit (by Mr. Lim Ray Wen, Senior Marine Surveyor, MPA Singapore)
  - 7.1.5. Addressing Low Sulphur Bunker Fuel 2020 (by Ms. Cheryl Rita Kaur, MIMA Malaysia)
- 7.2. Australia informed the Forum that while Australia is not a large bunkering nation, its fuel oil supply industries have indicated that compliant fuel oil will be available in Australian ports from 1 January 2020, although the costs associated with this is still largely unknown. Australia also informed that high sulphur fuel oil will continue to be supplied for ships that have in use an Exhaust Gas Cleaning System. Australia further informed that AMSA is working to make Australia's Register of Local Suppliers of Fuel Oil more robust to provide further information on the availability of 0.50% Sulphur compliant fuel oils in Australian ports.
- 7.3. BIMCO urged the signatory of MARPOL to fully implement the IMO 2020 global marine fuel sulphur cap.

- 7.4. BIMCO and INTERTANKO asked the confirmation on the readiness of Indonesia and Malaysia to comply with the sulphur requirements of the MARPOL ANNEX-VI in 2020.
- 7.5. FASA requested Malaysia to review national approach in regards to ships using scrubber system with open loop which currently states can be operated beyond 12 nautical miles. It may impact into neighboring territorial waters.
- 7.6. In response, Indonesia and Malaysia informed the Forum that they are still conducting necessary consultation and discussion with the related stakeholders in the respective States, taking into account the national interest and readiness, in order to meet the IMO sulphur requirements.

## **8. Marine Pollution, Preparedness and Response**

- 8.1. The Forum noted the following presentations:
  - 8.1.1. Marine Plastic Debris (by Mr. Basilio Araujo, Coordinating Ministry of Marine Affairs Indonesia);
  - 8.1.2. MOU on ASEAN Cooperation Mechanism for Joint Oil Spill Preparedness and Response: Regional Cooperation & Way Forward (by Mr. Mohd Fairoz Bin Rozali, Marine Department Malaysia)
  - 8.1.3. Oil Spill Preparedness and Response: Practical Approaches (by Ms. Een Nuraini Saidah, DGST, Indonesia)
  - 8.1.4. Marine Environmental Protection in SOMS: Recent Views on HNS Carriage (by Mr. Mohd Fairoz Bin Rozali, Marine Department Malaysia)
- 8.2. INTERTANKO thanked the efforts made by Indonesia to address the issues on Marine Plastic Debris, and highlighted the importance of having effective port reception facilities that could prevent plastic litter from being reintroduced back to sea. INTERTANKO encourage the littoral States to participate actively in the IMO's correspondence group as well as the working group on marine plastic litter. Indonesia responded that reception facilities are important for vessel to ensure that oil and any waste could be managed in the right way. Further, Indonesia also mentioned that sharing information of vessel among littoral States for instance position, port destination and cargo is necessary to raise the awareness and could provide quick response when the accident is occurred.
- 8.3. Indonesia informed the Forum regarding the campaign on the plastic debris through the commencement of clean ocean activities that was noted as a new world record involving all related stakeholders and coastal society.
- 8.4. Indonesia commented that littoral States should review and update the ship reporting while vessel transiting in SOMS especially vessel which carrying oil, dangerous and noxious goods. Further, Indonesia highlighted the need of mechanism on how to collaborate marine waste report into STRAITREP through the establishment of working group for the said matter. Chair responded that TTEG meeting is the appropriate forum to address this issue in the Marine Environment Protection (MEP) Working Group in the next 44<sup>th</sup> TTEG Meeting.

- 8.5. Malaysia echoed the statement delivered by Indonesia and Singapore that littoral States shall work close together to formulate the framework to manage the oil spill preparedness and response. Malaysia also mentioned that some training have been conducted to improve the capacity building for oil response personnel.
- 8.6. The Forum noted the information from Singapore that the national legislation which regulates several initiatives is one of the key elements to overcome the issues of illegal dumping and oil spill. Singapore highlighted that there is need to work together among littoral States for illegal dumping issue and the implementation of MARPOL Annex V. Singapore also informed the Forum the importance to increase the national awareness on the marine plastic debris by working together with the stakeholders. Singapore noted Indonesia's campaign on plastic debris as a good example of raising awareness on the issue. Singapore mentioned its own efforts to raise awareness on the issue. Further, Singapore also highlighted the importance of the cooperation on oil spill preparedness and response, and took the example on the commencement of the RFC and joint oil spill exercises by the littoral States, as the regional cooperation in SOMS.

## **9. User States and Industries**

- 9.1. The Forum noted the following presentations:
  - 9.1.1. Sustainable Shipping Beyond 2020 – Considerations for Littoral States in Straits of Malacca and Singapore (by Mr. Elfian Harun, INTERTANKO)
  - 9.1.2. New Challenges and Opportunities for Coastal States in Strait Regimes (by Mr. Per Søndersstrup, Director of Maritime Regulation and Legal Affairs, Danish Maritime Authority)
  - 9.1.3. Supporting Oil Spill Preparedness in Southeast Asia – Integrating National and Sub-Regional Arrangements (by Mr. Nai Ming, Lee, GISEA Project Manager, IMO-IPIECA GISEA)
- 9.2. Malaysia highlighted some issue which shall need to be solved by coordination and working together among littoral States for instance establishment reception facilities, enforcement of regulation in SOMS and establishment of same risk area. Further, Malaysia suggested that since there are initiatives for capacity building instituted by user States in the field of enforcement of the global sulphur cap 2020, this could be shared with the littoral States.
- 9.3. Malaysia also emphasized the need for collaboration in technology to protect the marine environment. Malaysia informed the Forum that Malaysia are working on the issues on the INTERTANKO wishlist in particular related to the IMO 2020, biofouling and port reception facilities. Malaysia highlighted the usage of the maritime technology to protect the Marine Environment Protection in SOMS.
- 9.4. Indonesia commented on how to establish a framework for oil spill preparedness and response in SOMS, under the framework of ASEAN or littoral States.

- 9.5. BIMCO informed the Forum that they had submitted a proposal to IMO regarding the guideline of reception facilities. BIMCO has initiated the development of an underwater cleans standards to enable the quality and safety of underwater cleaning.
- 9.6. Singapore commented that we could tap upon technology for safety at sea, collision avoidance, detection and assessment of impact of an oil spill.
- 9.7. Witherby informed the Forum about the development of guidelines on biofouling and hull cleaning in cooperation with BIMCO.
- 9.8. Indonesia highlighted that collaboration between littoral States is needed to overcome the issues on the Marine Environmental Protection in SOMS, in particular the oil spill preparedness and response.

## **10. Development in the Co-operative Mechanism**

10.1. The Forum noted the following presentations:

- 10.1.1. Updates on the Aids to Navigation Fund (by Mr. Izzammudin Bin Ibrahim, Marine Department Malaysia)
- 10.1.2. Enhancement of Safety of Navigation and Marine Environmental Protection in the SOMS (by Mr. Bebeb AKN Djundjunan, Ministry of Foreign Affairs, Indonesia)

10.2. Indonesia thanked Malaysia for their chairmanship on Aids to Navigation Fund.

10.3. Mr. Izzamudin, Secretariat to ANF had informed that any proposal to change the Rules of Procedure have to be referred to TTEG for approval.

## **11. Discussion and Way Forward**

11.1. A way forward on the Co-operative Mechanism discussed on the way forward of the Co-operative Mechanism. The panel discussion moderated by Mr. Bebeb AKN Djundjunan, Director of Legal Affairs and Territorial Treaties of Indonesian Ministry for Foreign Affairs and panel consist of:

- i. Mr. Raymond Sianturi, Head of District Navigation of Dumai, Directorate General of Sea Transportation, Republic of Indonesia
- ii. Mr. Mohd Fairoz Bin Rozali, Director of Safety, Security and Environment Division, Marine Department of Malaysia
- iii. Ms. Angela Png, Director, International, Maritime and Port Authority of Singapore

11.2. Mr. Raymond Sianturi highlighted the importance of the information sharing as a way forward to enhance Safety of Navigation and Marine Environment Protection in SOMS. He also stated that development of advance technology in the maritime sector should be cope with the needs and demands, and encouraged the littoral States to have a harmonized solution. Further, Mr. Raymond Sianturi proposed

that the littoral States could establish ICT working group or additional agenda in the TTEG to discuss the maritime services in SOMS.

11.3. Mr. Mohd Fairoz Bin Rozali stated that there is a need to have more structured TTEG to discuss various issues which related to environmental protection in the Straits of Malacca and Singapore, based on the principle of Plan Do Check and Act (PDCA). He also mentioned that the littoral States could look into the Blue Economy initiatives related.

11.4. Ms. Angela Png highlighted that the Co-operative Mechanism is considered as a successful mechanism to find a practical solution in enhancing the safety of navigation and marine environmental protection.

11.5. As a way forward, the Forum stressed the importance of:

- a. the inseparable role of the Cooperative Forum and Project Coordination Committee to create mechanisms under practical terms.
- b. how safety of navigation and marine environmental protection should go hand in hand with every activity projection. Littoral States, User States and the Industry should collaborate more on burden sharing.
- c. enhancing collaboration between user states and shipping industries on the safety of navigation and marine environmental protection while addressing the concern of technology under the Cooperative Forum.
- d. considering the establishment of working group on ICT in TTEG.
- e. considering concepts such as blue economy strategy sustainable development throughout such discussions.

## **12. Progress Report on The Straits Projects**

12.1. The Forum noted the following presentations:

- 12.1.1. Straits Project 1 – Removal of Wreck in the Traffic Separation Scheme in the SOMS (by Mr. Abdull Rahim Bin Mohamad Akhir, Marine Department, Malaysia)
- 12.1.2. Straits Project 5 - Replacement and Maintenance of Aids to Navigation in the SOMS (by Mr. Nanditya Wardhana, DGST, Indonesia)
- 12.1.3. Straits Project 11 – Development of Guidelines on the Places of Refuge (PoRs) for Ships in Need of Assistance in the SOMS (by Mr. Mohd Fairoz Bin Rozali, Marine Department, Malaysia)
- 12.1.4. Straits Project 13 –New Study for the Safety of Navigation in the SOMS (by MPA, Singapore and Malacca Straits Council)

- 12.2. Indonesia commented on the Project-13 on New Study for the Safety of Navigation in the SOMS conducted by MSC, in particular on the prohibition of overtaking on the specific case which related with the type or speed of vessels as well as further suggestion on the certain lane designated for minimum and maximum speed. MSC stated that the regulation already stipulated on the Rules for Vessels Navigating through the SOMS.
- 12.3. BIMCO has launched a new dismantlecon contract, the first global standard contract designed for dismantling and removal of offshore structures. Based on that, BIMCO offered littoral States the capacity building on wreck removal. The littoral States thanked BIMCO for the offer and looked forward to cooperating in the future.
- 12.4. Indonesia informed the Forum that the Batam and Dumai VTS in Indonesia already actively participated to provide necessary services related to safety of navigation in SOMS. Further Indonesia highlighted that there is a need to establish a sharing information mechanism between littoral States on the wreck movement to be updated on the nautical chart.
- 12.5. Singapore informed the Forum that the Joint Hydrographic Survey in SOMS is presently in progress with cooperation between the littoral States and Malacca Strait Council, and the result of the survey should be updated through nautical charts and ENC. In addition Malaysia informed that the finding on the survey any presence of uncharted wreck in the SOMS will be promulgated through notice to mariners.

### **13. Closing of the 12<sup>th</sup> Co-operation Forum**

- 13.1. The Forum considered and adopted the report of the 12<sup>th</sup> Co-operation Forum.
- 13.2. The Chair thanked all delegations for their active participation and making the 12<sup>th</sup> Co-operation Forum a fruitful discussion.
- 13.3. The 13<sup>th</sup> Co-operation Forum will be held in Malaysia in 2020, with the details on the date and venue to be communicated at a later date.