

**STUDY ON BLUE PRINT  
FOR FUTURE DEVELOPMENT OF SAFETY NAVIGATION  
& MARINE ENVIRONMENT PROTECTION  
IN STRAITS OF MALACCA AND SINGAPORE**



submitted by

**DIRECTORATE GENERAL OF SEA TRANSPORTATION  
OF THE REPUBLIC OF INDONESIA**

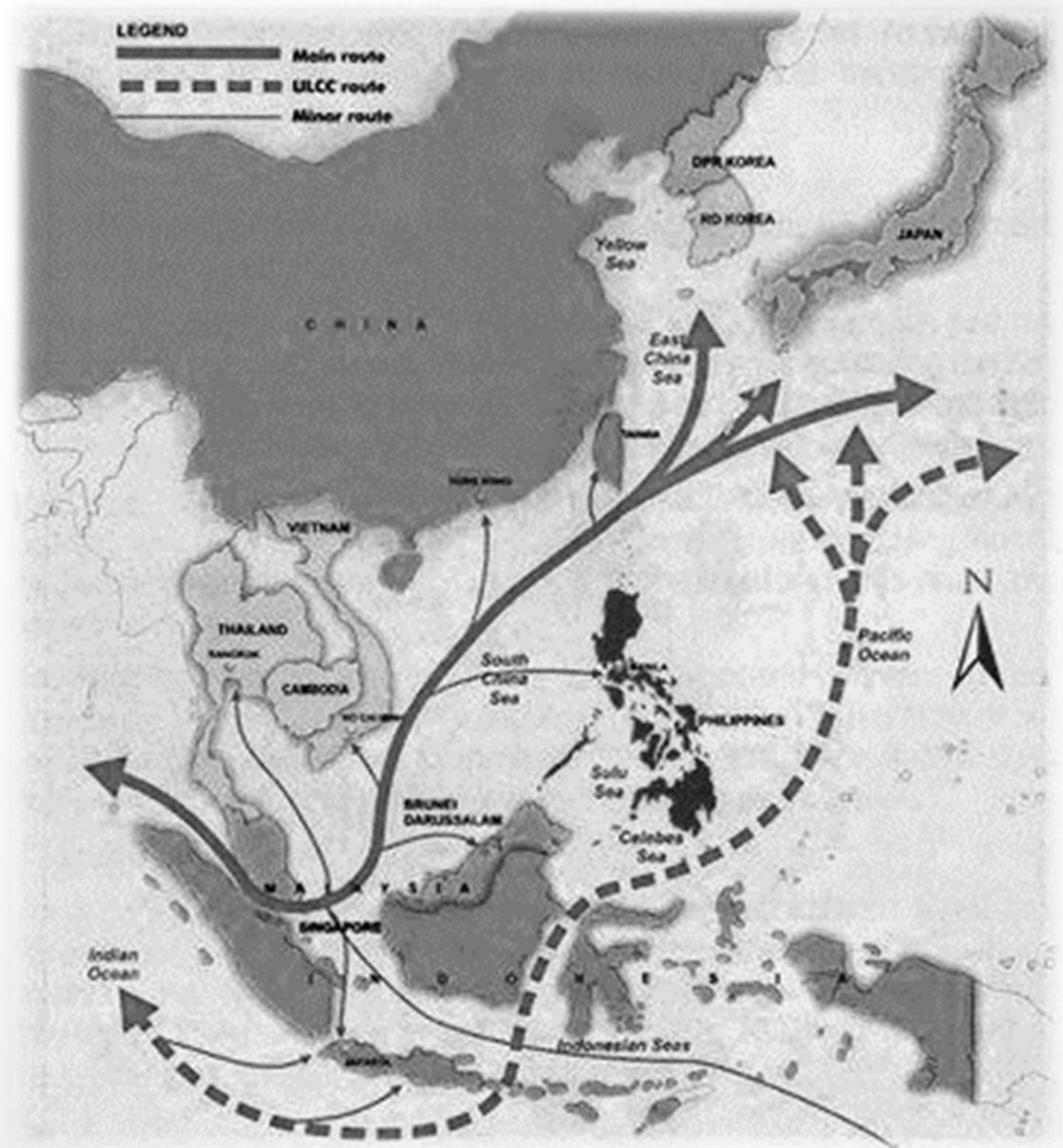
**8<sup>TH</sup> COOPERATION FORUM  
UNDER COOPERATIVE MECHANISM ON SAFETY OF NAVIGATION AND ENVIRONMENTAL  
PROTECTION IN THE STRAITS OF MALACCA AND SINGAPORE**

**Singapore, 05-06 OCTOBER 2015**

# BACKGROUND

## STRAITS OF MALACCA & SINGAPORE

- Straits used for International Navigation  
(UNCLOS part III)
- 100.000 vessels p.a  
(incl. 300.000 DWT MalaccaMax)
- Dangerous features of the 650 NM Straits
- Requires measures to assure Safe, Secure & Smooth Navigation
- International requirement, initiatives and future perspectives



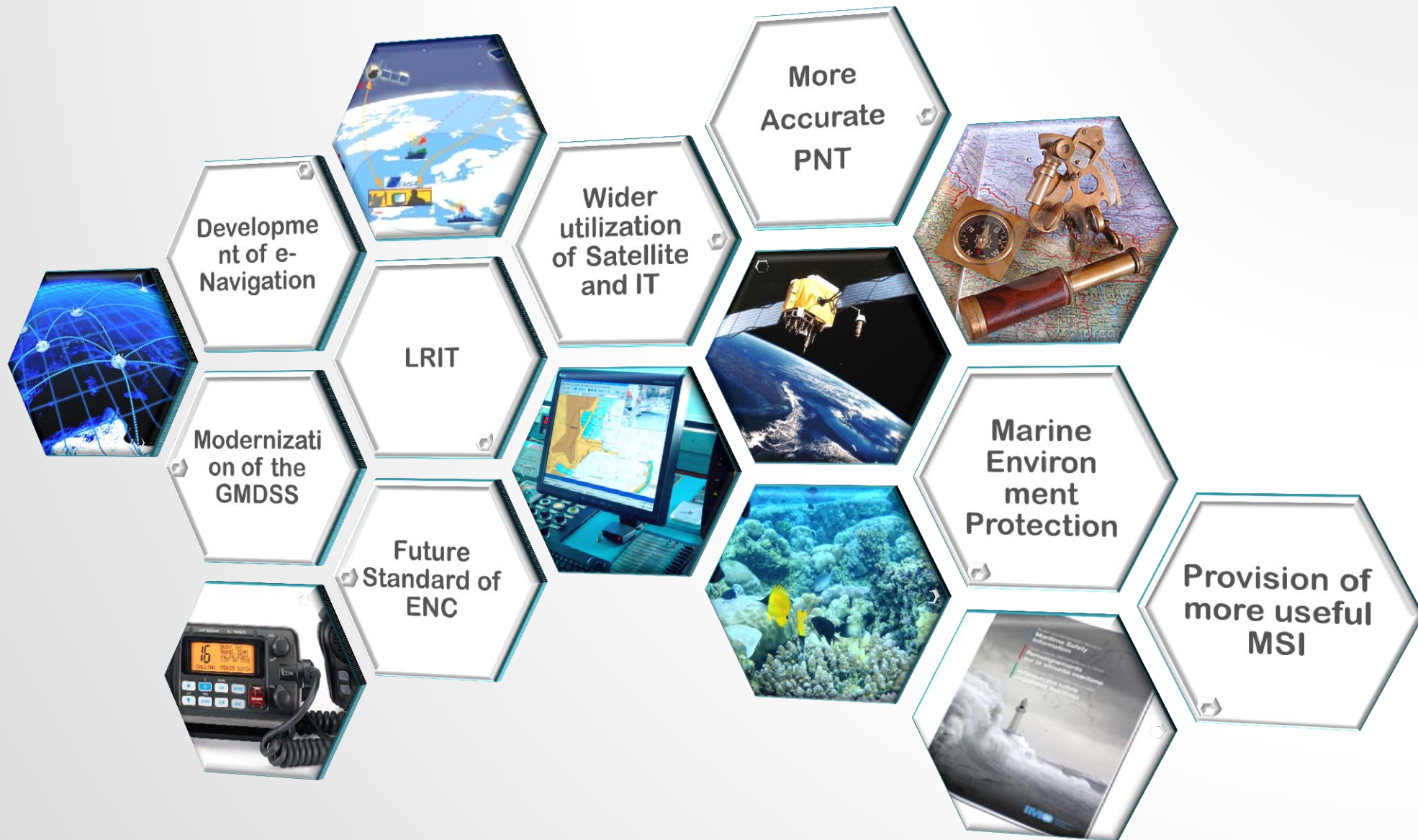


# MEASURES OVERVIEW

- **Establishment of TTEG (1971)**
- **Establishment of TSS (1977)**  
IMO Resolution A.375(X)
- **Extension of TSS (1981)**  
IMO Resolution A.476(XIII)
- **STRAITREP (1998)**  
IMO Resolution MSC.73(69)
- **Cooperative Mechanism (2008)**  
4 projects completed - 4 ongoing projects – 3 newly approved projects
- **Marine Electronic Highway – Demonstration Project**

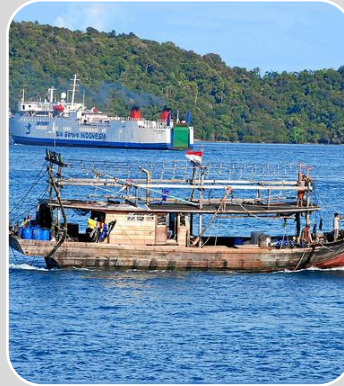


# CURRENT ISSUES





# LOCALITIES



Occurrence  
of new transit  
destinations  
and  
increased  
number of  
crossing  
navigations

Needs on  
better  
organized  
ship's  
routing  
system, STS,  
anchorage  
area, lay up  
area, place  
of refuge

Fishing  
Activities  
(traditional  
fishing boats  
activities) &  
Local  
Coastal  
Navigations

Growing  
number of  
submarine  
cables and  
pipes,  
offshore  
constructions

Rich Marine  
Biodiversity

# GLOBAL DEMAND & TRENDS



- Use of larger size of vessel
- Asean Economic Community (2015)
- New industrial and economic spots
- Modern technology and integrated onboard and ashore information & communications system

# CHALLENGES

*timely develop and establish appropriate and harmonized measures to cope with future challenges in securing implementation of international right of navigation and simultaneously ensure safety of navigation and marine environmental protection in the Straits*



# WHERE ARE WE GOING?

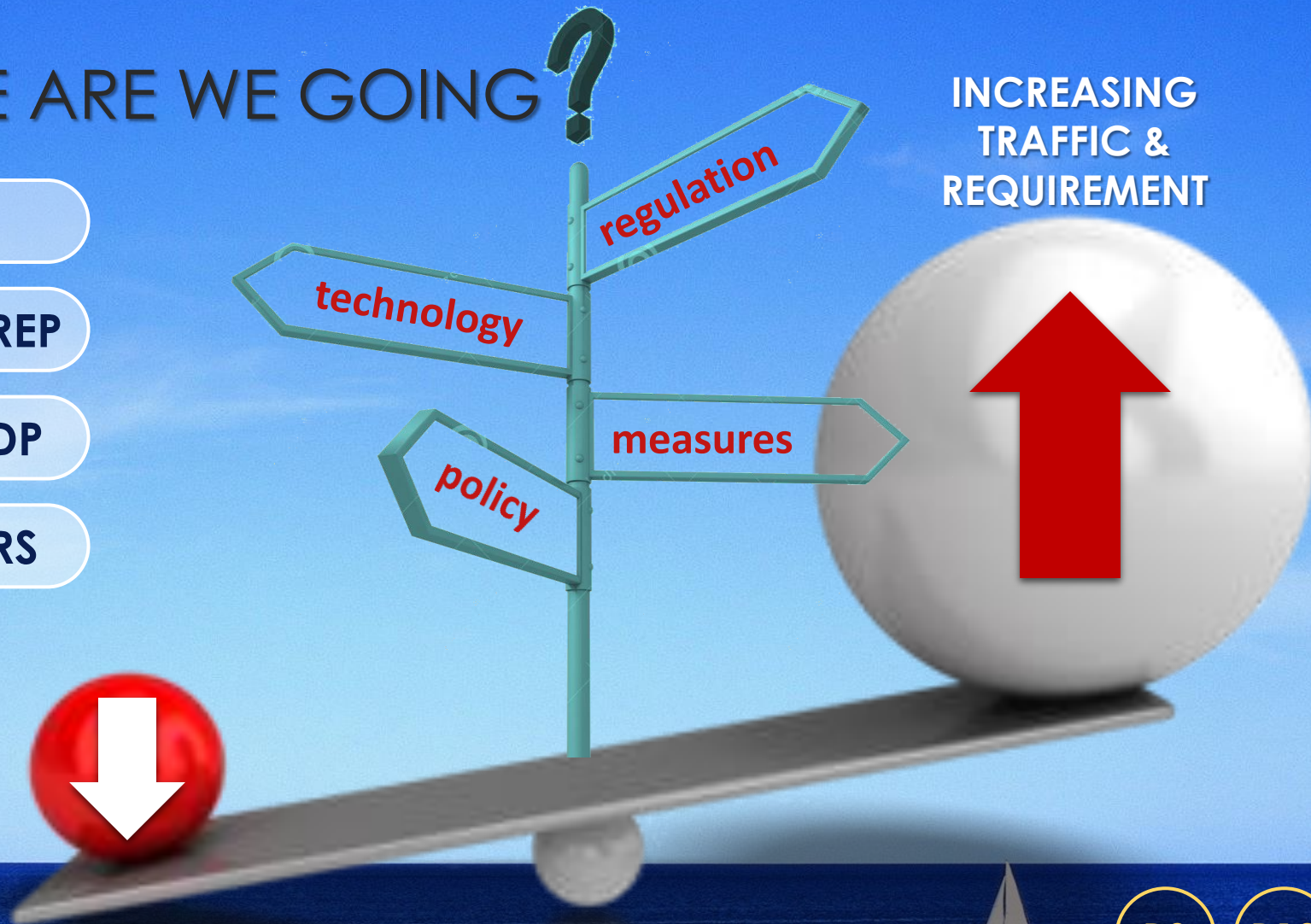
TSS

STRAITREP

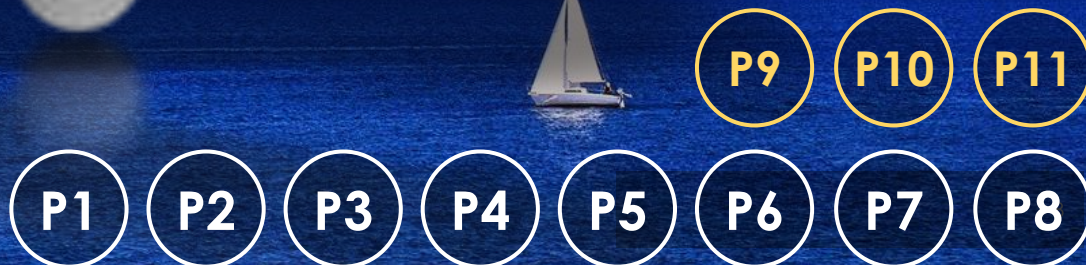
MEH-DP

OTHERS

INCREASING  
TRAFFIC &  
REQUIREMENT

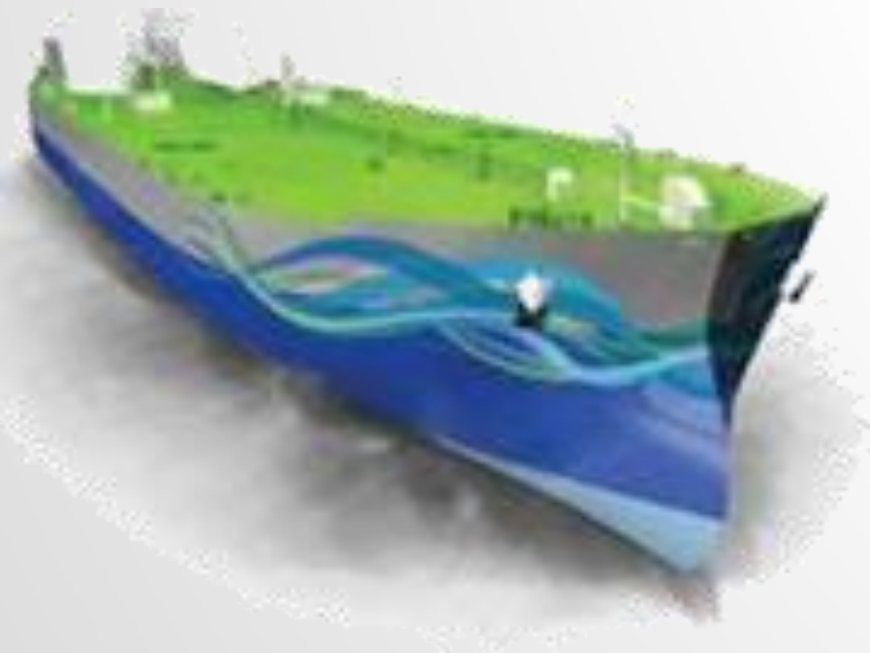


SAFETY OF NAVIGATION  
ENVIRONMENT PROTECTION  
EFFICIENT NAVIGATION





# METHODS



1. Conduct preliminary study to provide guidance, references and scope of follow-up studies.
2. Conduct follow up study that could comprises of :
  - Site surveys and data collection;
  - Risk assessment and formulation of risk management & control;
  - Identification of gaps between current condition and requirement;
  - Defining technology, policies, regulation and measures.
3. Workshop.
4. Establishment of working group and/or correspondence group and/or experts group.
5. Consider views and practical approach of international organization, related association, industries, user states, users and stake holders.
6. Scientific and academic approach.

# PROPOSED SCHEDULE

- The study is expected to be completed within 5 (five) years
- Preliminary study is expected to be conducted in 2016
- Workshop and working group is expected to be commenced in 2017
- Follow up study is expected to be commenced in 2018



# AREA OF COOPERATION

## 1. **In-kind contribution**

Interested parties are welcomed to contribute through in-kind contribution to implement the whole or part of the work of the follow-up study and workshop.

## 2. **Direct contribution**

Interested parties are welcomed to contribute through direct contribution to finance the whole or part of the work of the follow-up study and workshop.

## 3. **Indonesia will contribute an in-kind contribution to conduct preliminary study in 2016**

- Three Littoral States are requested to provide contact point to assist and to facilitate the study and data collection, and invited to participate in the Focus Group Discussions (FGDs);
- User States and stakeholders are welcome to convey opinions, suggestions, data, recommendation and direct participations in Focus Group Discussions (FGDs);
- Progress of the study will be updated to the 41st TTEG Meeting in Indonesia;
- Result of the preliminary study will be submitted to the 42<sup>nd</sup> TTEG Meeting.

# RESPONSE REQUESTED

- The Meeting is expected to give input to complete the plan.
- User states and stakeholder are expected to identify possible contribution to the project.



END OF PRESENTATION  
THANK YOU