

Japan's Cooperation to Enhance the Safety of Navigation in the SOMS

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The 11th Co-operation Forum under the Co-operative
Mechanism in the Straits of Malacca and Singapore

SOMS: its importance even further enhanced

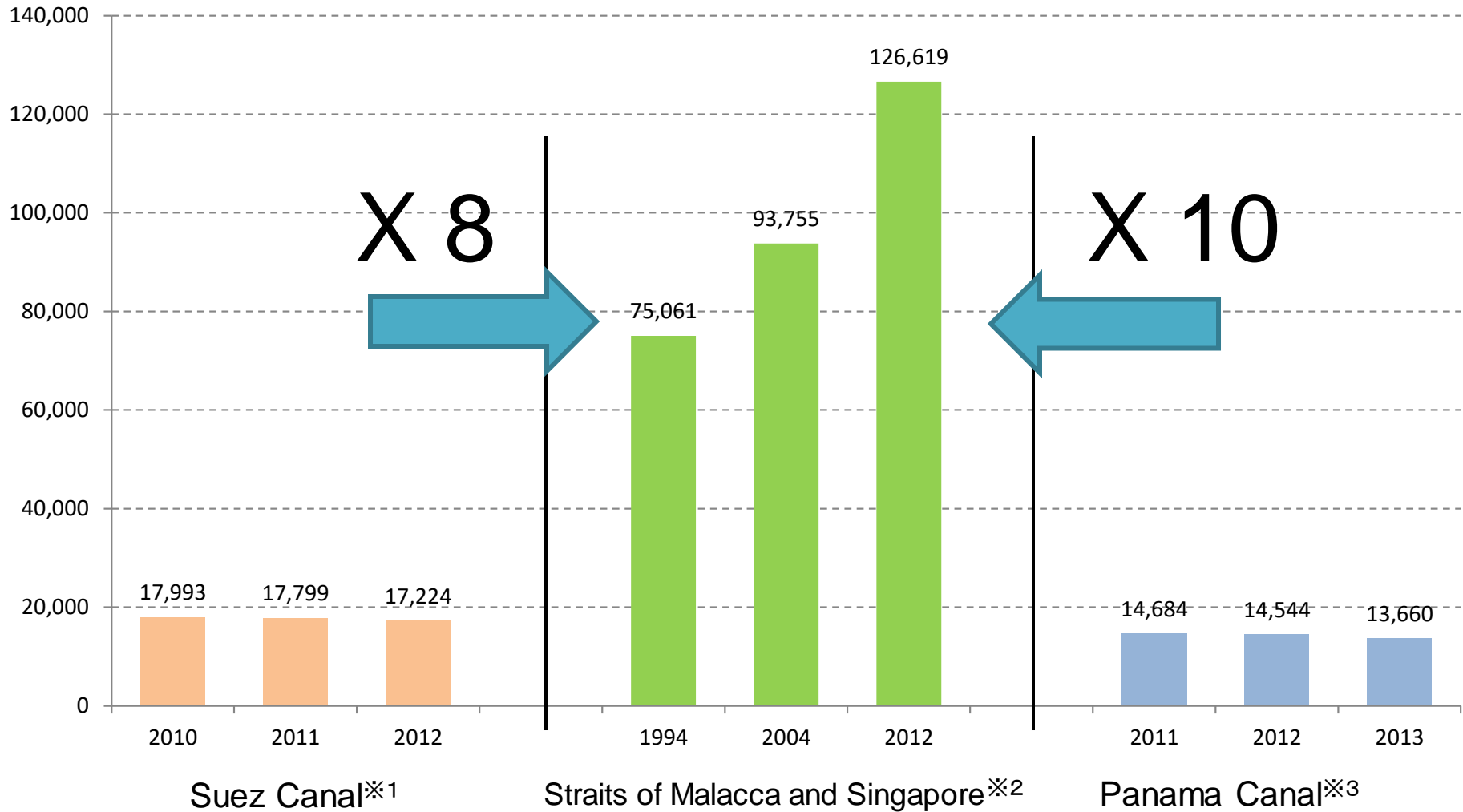
Our cooperation: long history, and still evolving



Malacca Strait Council

Comparison of Transiting Vessels among the Three Vital International Shipping Passages

(Number of Vessels)

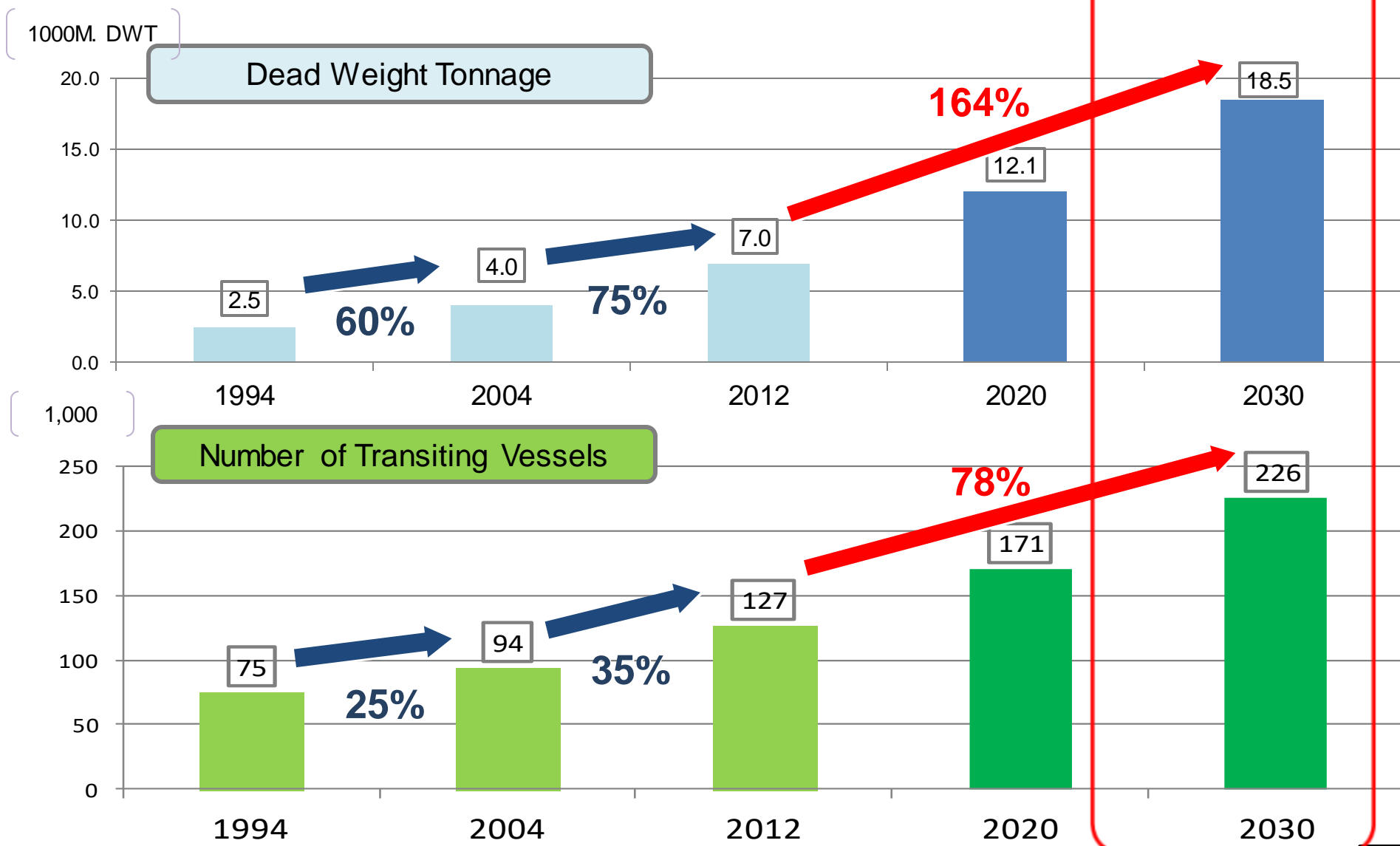


※1 Source: Suez Canal Authority

※2 Source: The Japan Association of Marine Safety

※3 Source: Autoridad del Canal de Panama

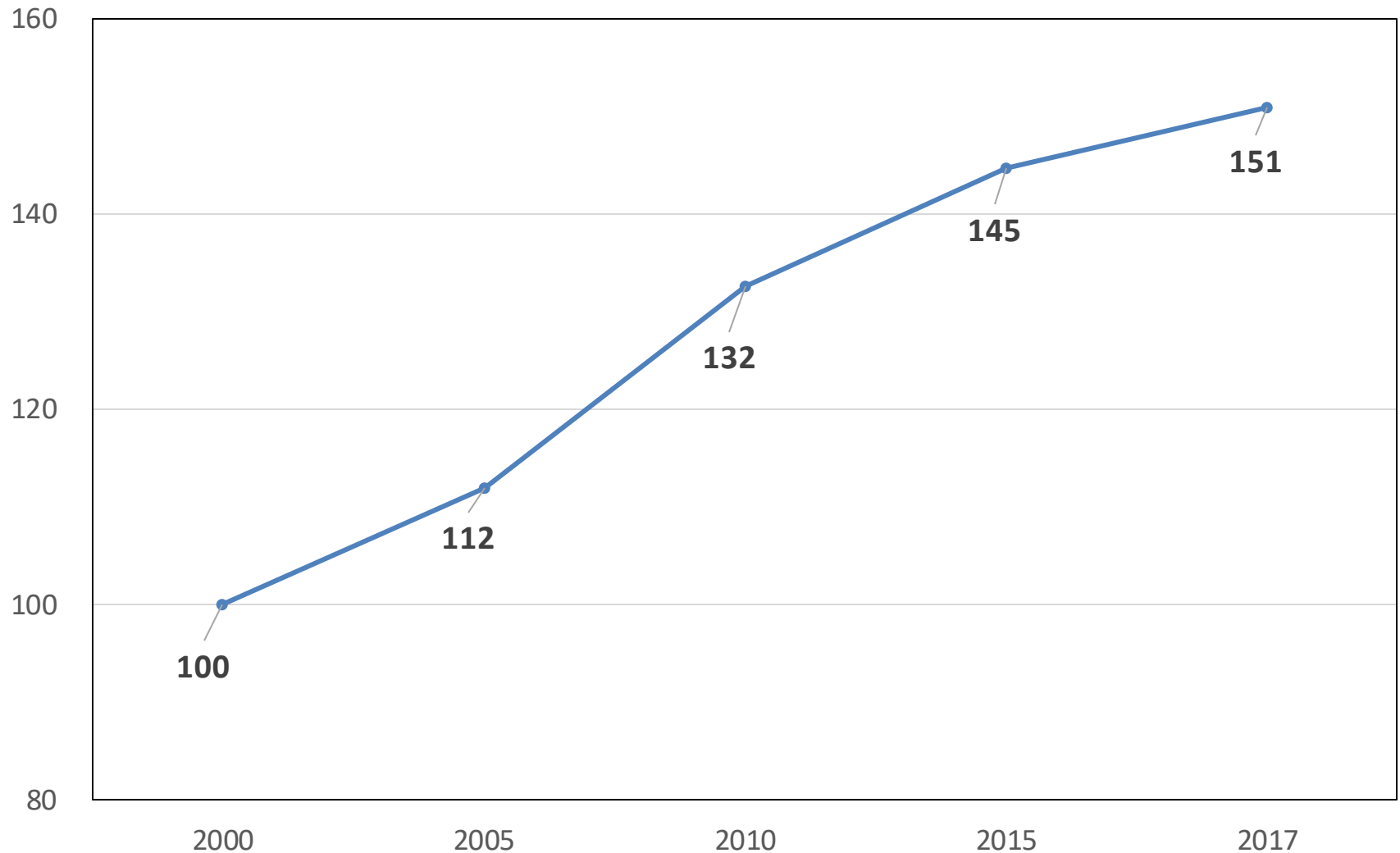
Estimated Traffic Volume in SOMS



Source : 2012 Survey by The Nippon Foundation

Malacca Strait Traffic

(2000=100:Reference value)

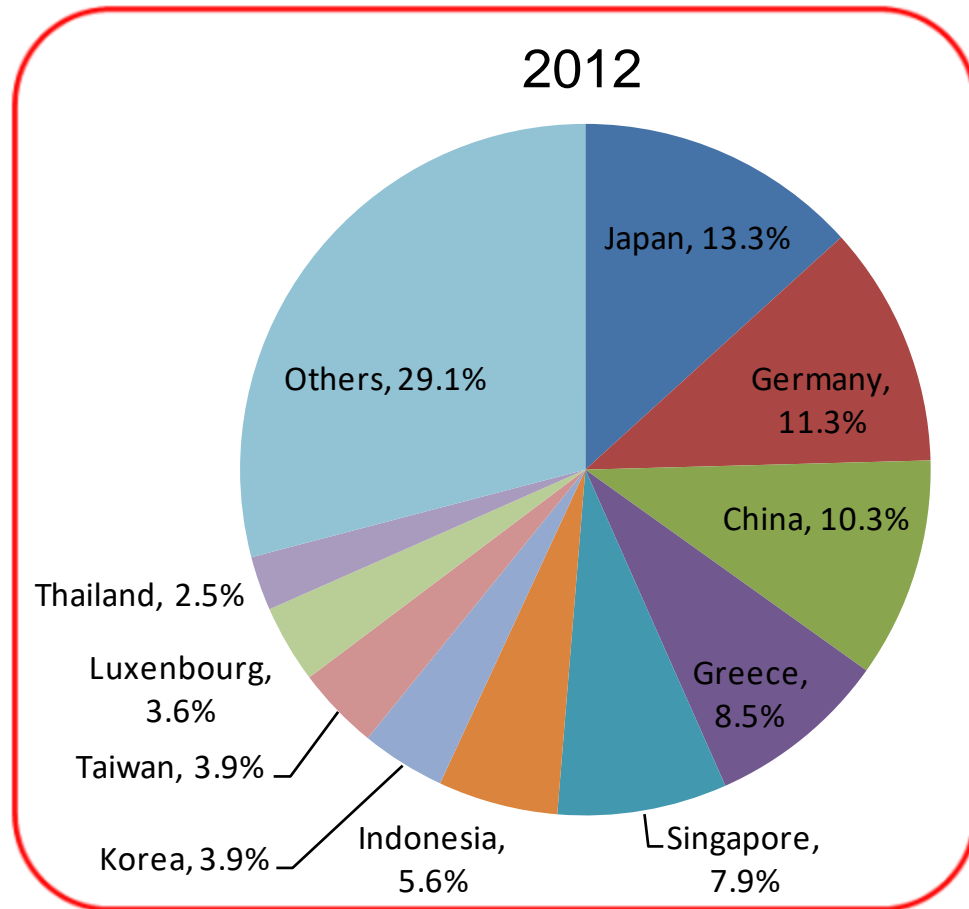
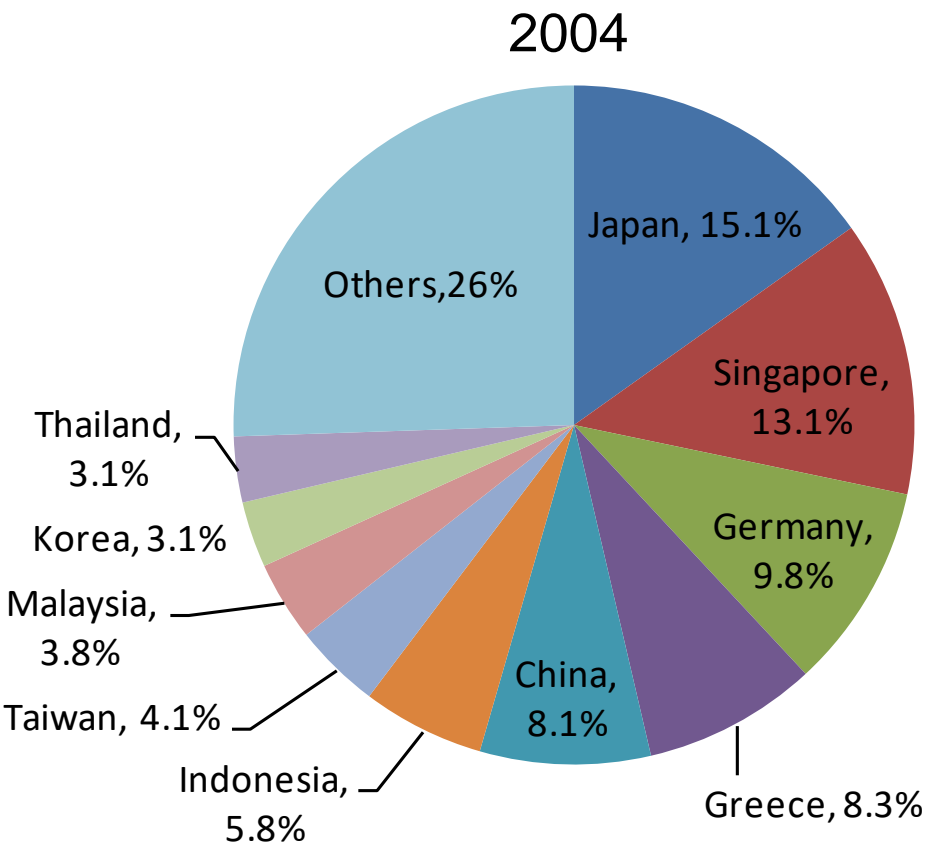


Source : 2018 Report by The Japan Association of Marine Safety

Share of Vessels by Transiting in the SOMS Country/Region

- Japan still remains at the first place in 2012

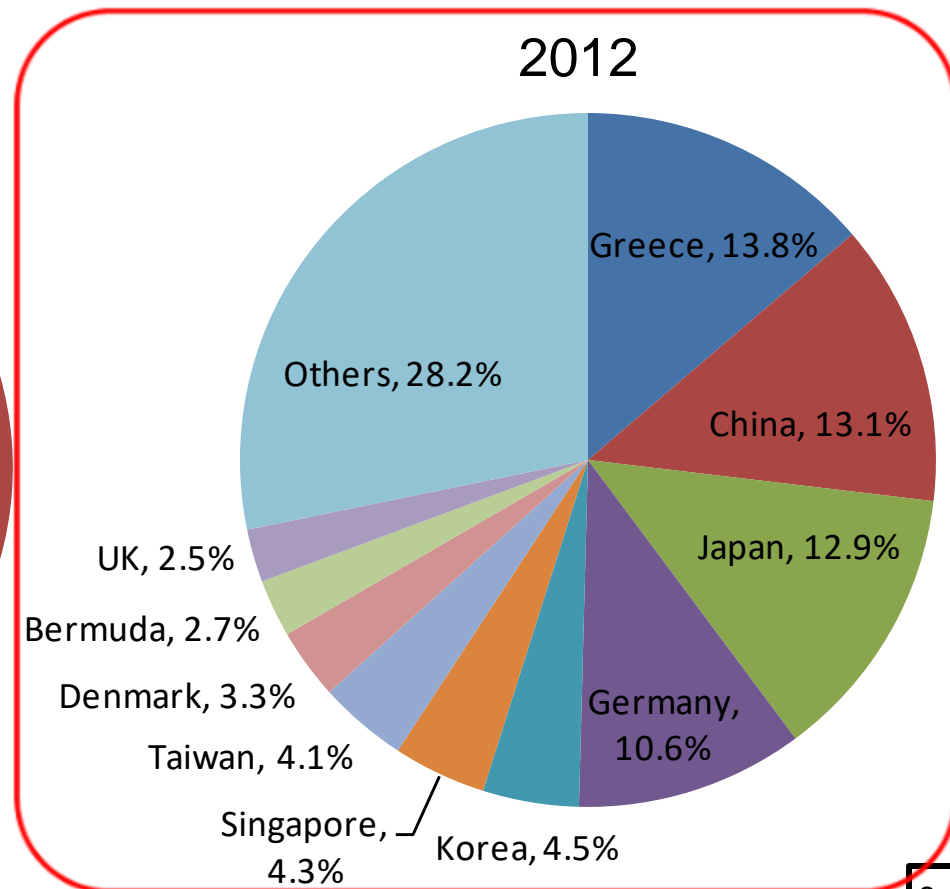
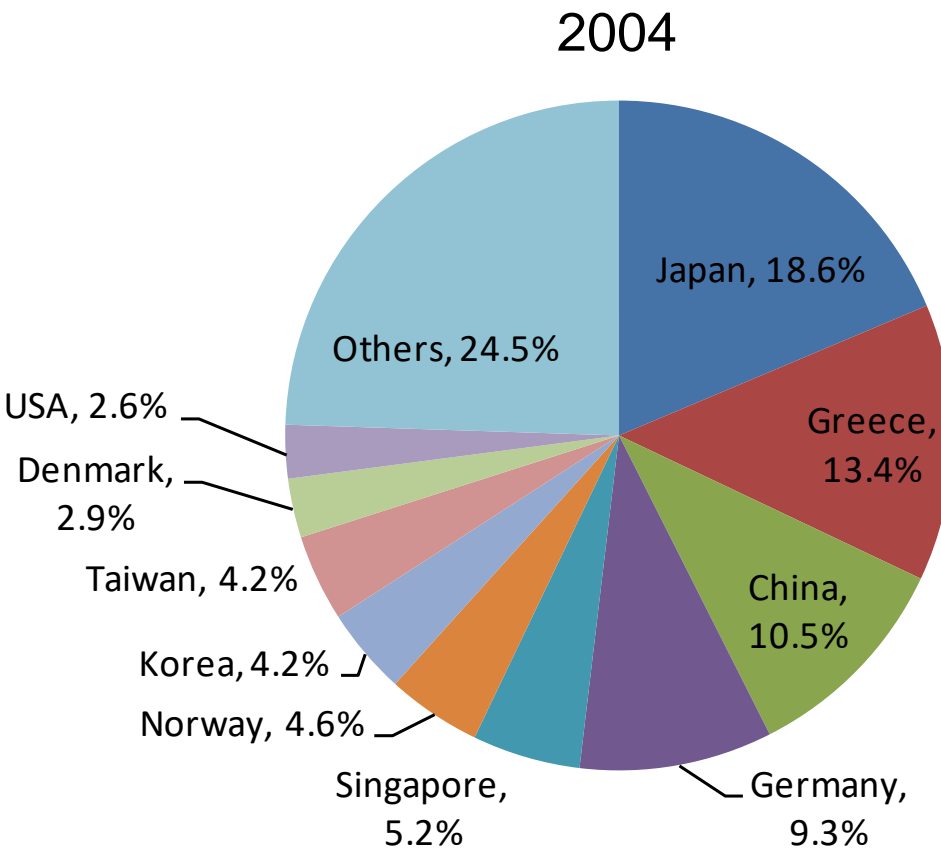
Number of Vessels



Share of Tonnage Transiting in the SOMS by Country/Region

- Greece and China have come ahead of Japan

DWT



Source: The Nippon Foundation

Japan's contributions before the Cooperative Mechanism

- Hydrographic Surveys 1969-1975, 1978 and 1996-1998
- Removal of Four shipwrecks 1973-1978
- Cooperation for Maintenance & Replacement of Aids to Navigation 1969-2007
- Donations
 - Buoy Tenders to Indonesia and Malaysia 1976, 2002 and 2003
 - Dredging work in the Strait of Singapore 1979
 - Revolving Fund 1981
 - Oil Skimming Vessel to Singapore 1973

In Total USD150 M

Japan's contributions to the Cooperative Mechanism

➤ **Project 3 (2011):**

Trial of AIS-B transponders on small vessels in the Singapore Strait

- ✓ Donated 10 AIS class B transponders
- ✓ Assessed reliability of AIS class B transponders

➤ **Project 5 (2008-):**

Maintenance and replacement of aids to navigation

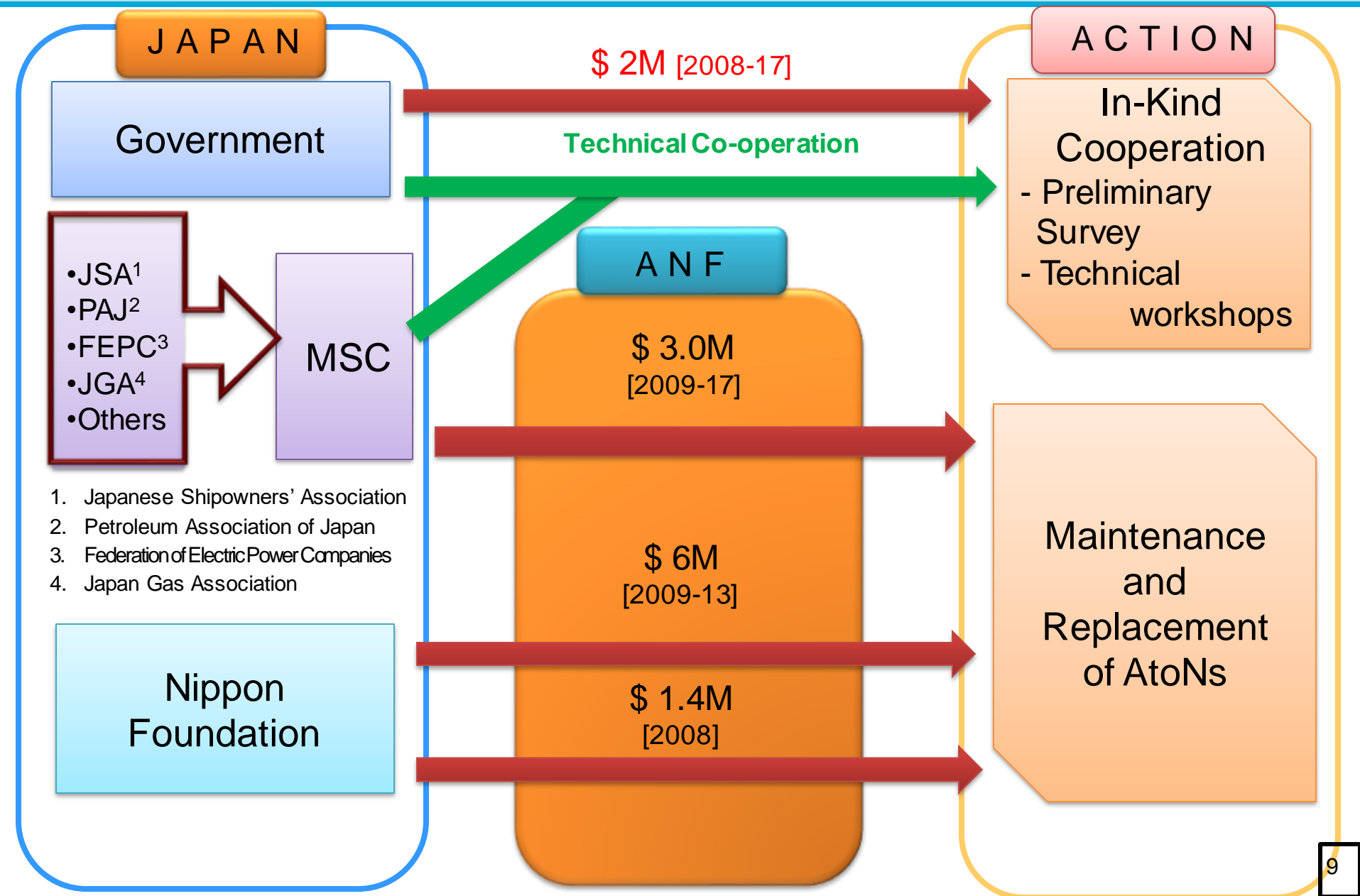
- ✓ Supporting the project through in-kind cooperation
- ✓ Japanese private sectors have contributed USD10.4M to ANF

➤ **Project 13 (2016-):**

New study for the safety of navigation in the SOMS

- ✓ Introduction of Partial Navigational Restrictions in the TSS

The Framework of Japan's Contribution to the Project 5



In-kind contributions to the **Project 5**

1. Technical workshops

- Every year since 2011
- Five participants from each Littoral State

2. Preliminary survey works to AtoNs

- Done at 19 sites since 2009

Japan's Contribution to the Project 5

(Technical Workshop in Malaysia)



At the entrance of MATRAIN



Lecture

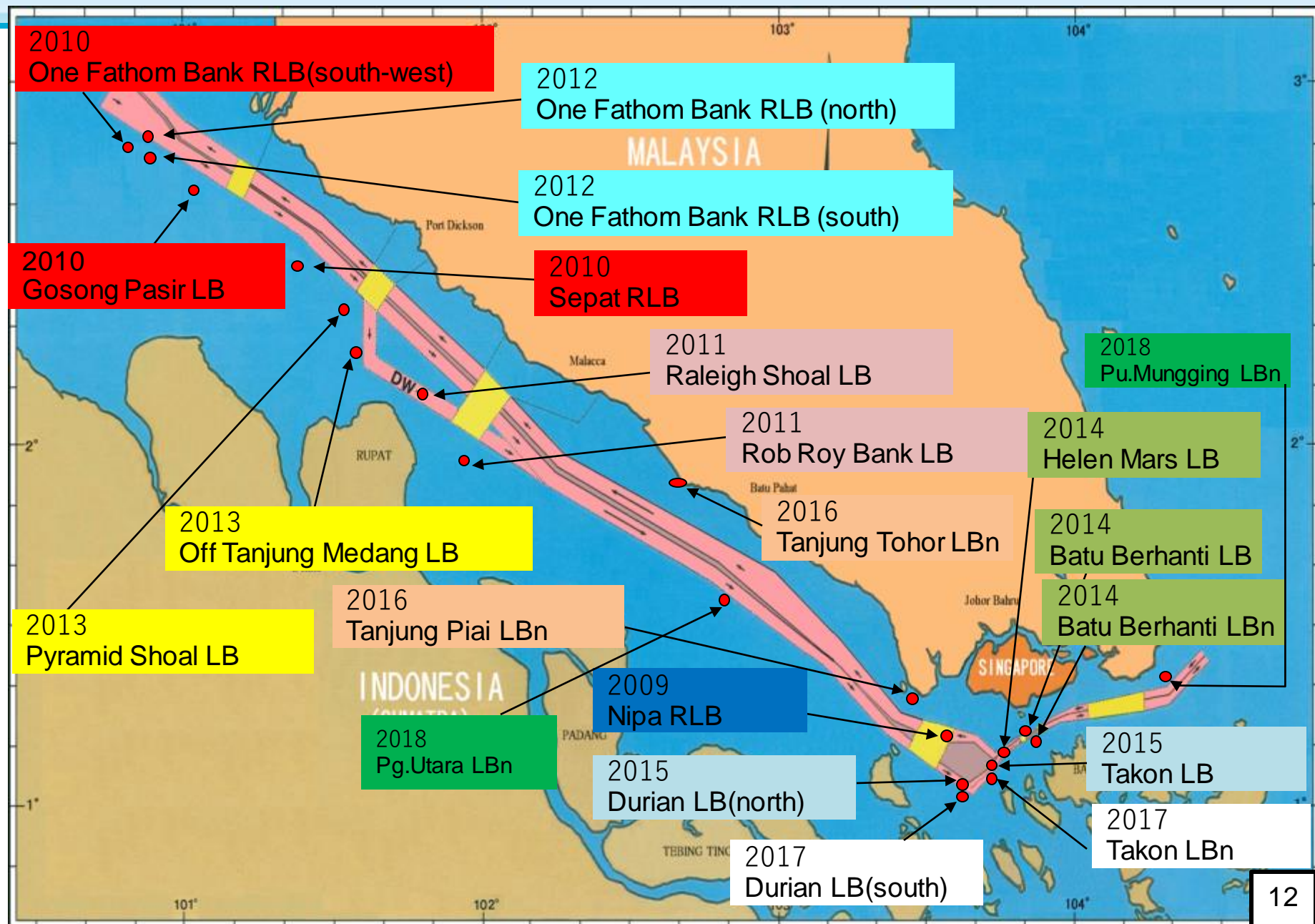


VTS Center



On board Training

Japan's Contribution to the Project 5 (Preliminary Survey Works)



Joint Hydrographic Survey in the SOMS

Objective

- To ensure safety of navigation and protection of marine environment in the SOMS through updating electronic navigational charts(ENCs) surveyed in 1998 with multi-beam echo-sounders.

Development

- The project was authorized by the 39th Tripartite Technical Expert Group (TTEG) held in Malaysia in 2014.

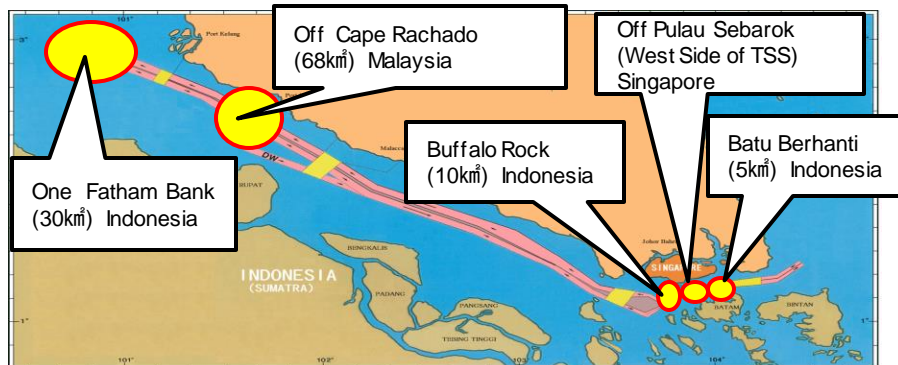
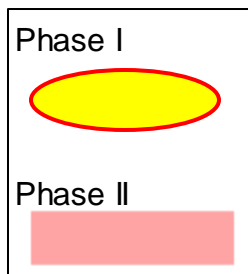
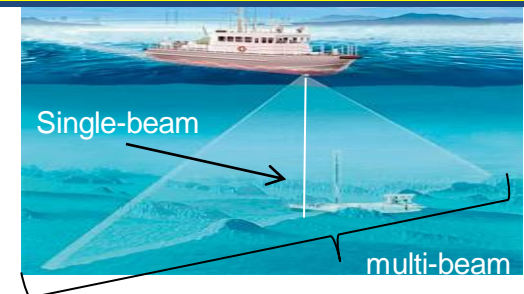


Image of the Joint Hydrographic Survey



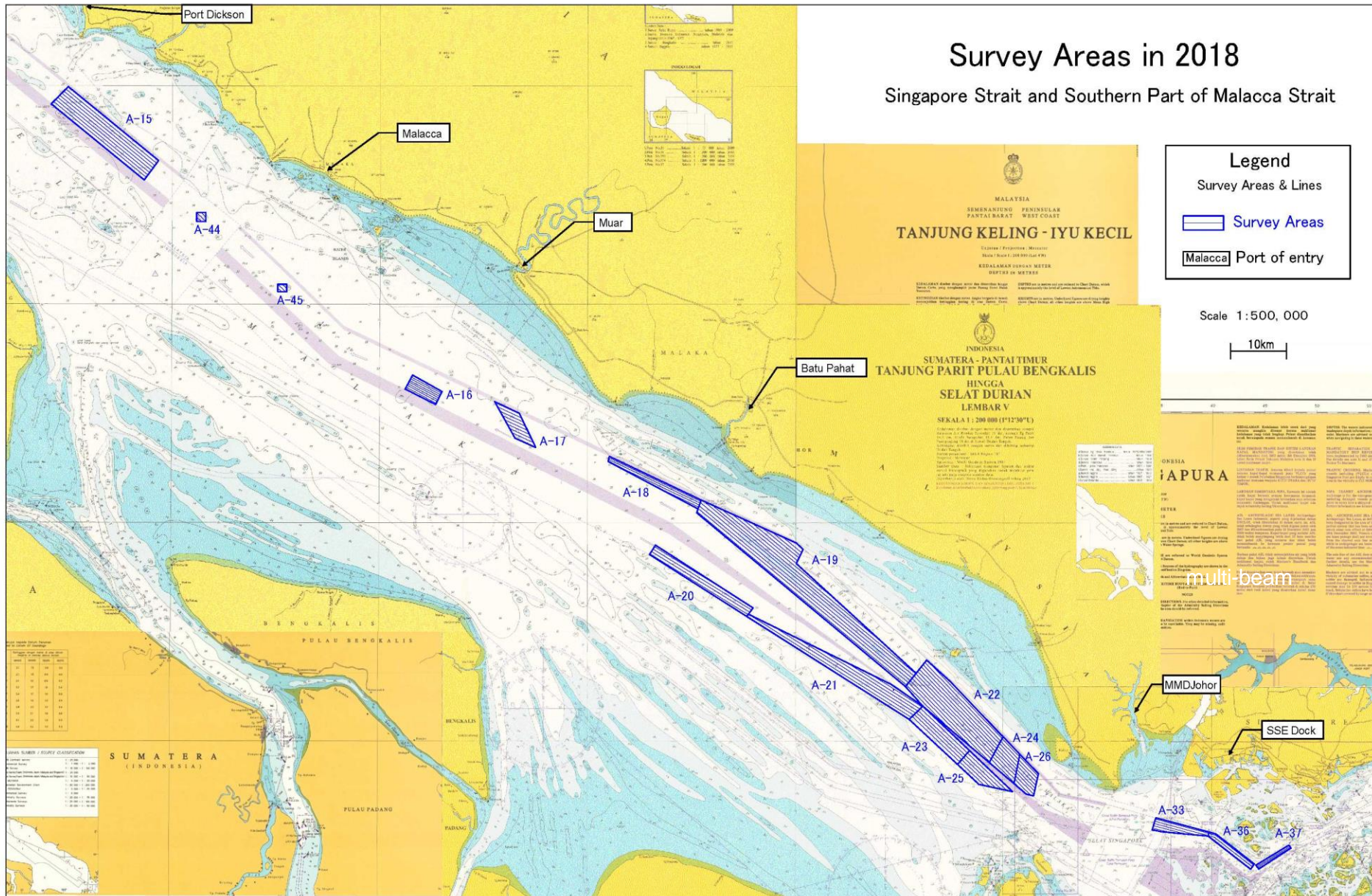
Phase I (2015 – 2016)

- Five critical areas in the Traffic Separation Scheme(TSS)
- Funded by the Japanese Shipowners' Association etc.

Phase II (2017 - 2020)

- Entire/main area of the TSS except for the Five critical areas
- Founded by the Japan-ASEAN Integration Fund (JAIF)
- JAIF application was submitted in March 2016 and has been approved in July 2016

Joint Hydrographic Survey in the SOMS



Capacity-building of VTS operators

Initiatives and Efforts by Japan Coast Guard

- Objective: To develop internationally accredited VTS personnel.
- Outputs:
 - Training facilities that include VTS simulators and risk management tools, amongst others.
 - Internationally accredited training courses for:
 - VTS operators
 - VTS supervisors
 - VTS managers
 - Instructors



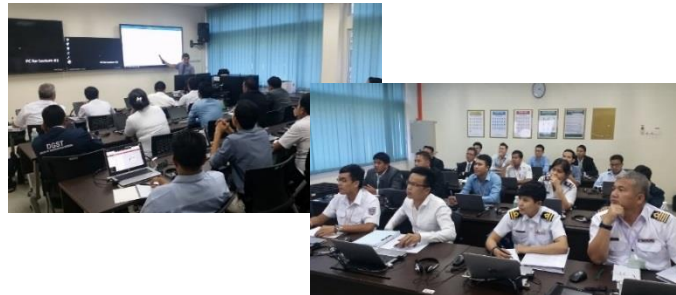
Capacity-building of VTS Operators

Initiatives and Efforts by Japan Coast Guard

- ASEAN Regional Training Center for VTS (ARTV) was established and started the first VTS operator training. (Jul, 2017)
- Opening ceremony of ARTV was held. (Aug, 2017)
- The first VTS operator training was finished and 17 trainees were accredited as certified VTS operators. (Oct, 2017)



Opening Ceremony of the ARTV



VTS Operator Training Course



Completion Ceremony
of VTS Operator Training Course

Thank you!



“MLIT” in Japanese