

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

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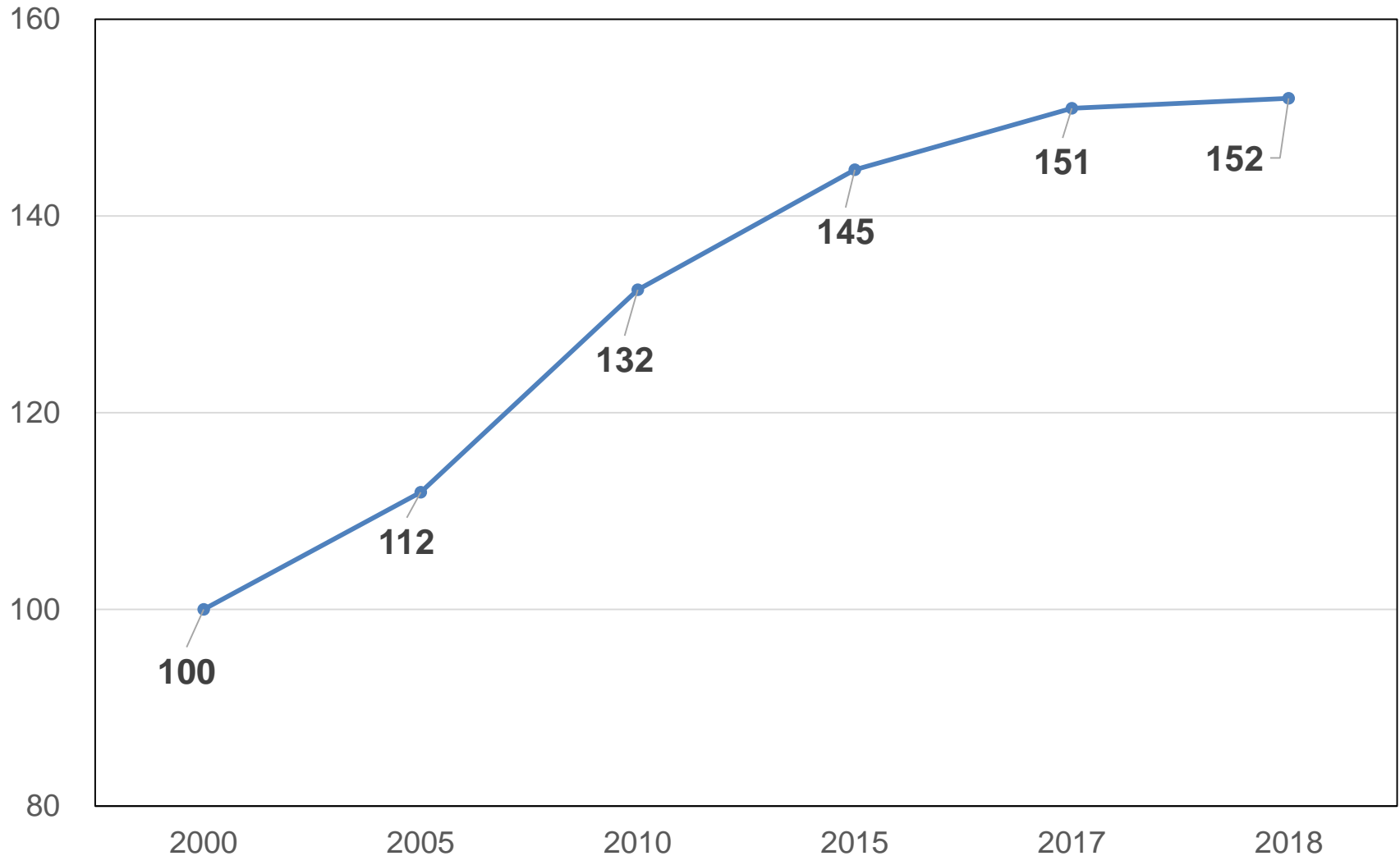
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Maritime Bureau, MLIT-Japan  
September 30-October 1, 2019**



The 12<sup>th</sup> Co-operation Forum under the Co-operative  
Mechanism in the Straits of Malacca and Singapore

# Malacca Strait Traffic

(2000=100:Reference value)



Source : 2019 Report by The Japan Association of Marine Safety

# 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**

## ➤ **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

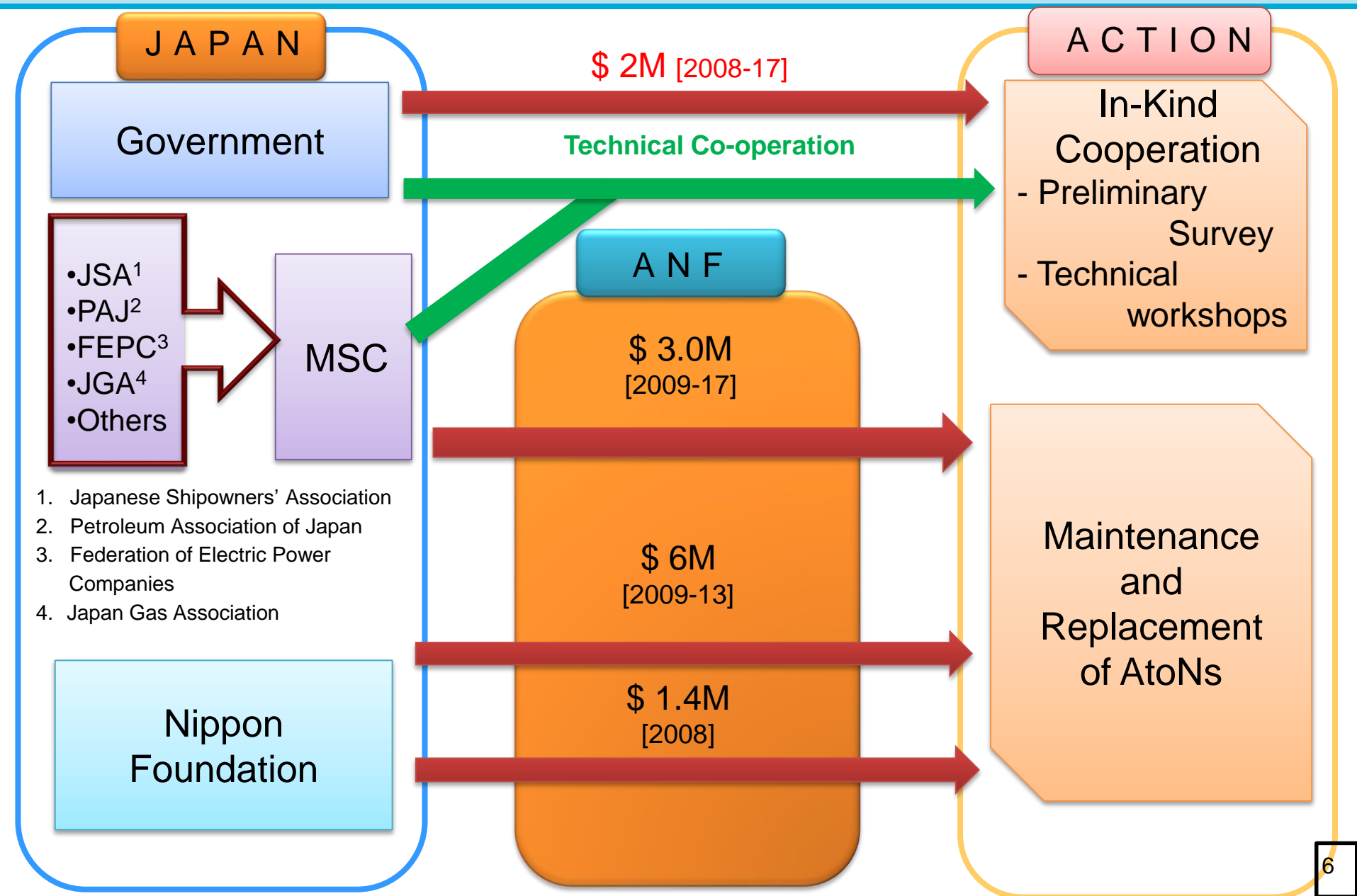
- ✓ Supporting the project through in-kind cooperation
- ✓ Japanese private sectors have contributed USD10.4M to ANF

## ➤ **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 23 sites since 2009

# Japan's Contribution to the Project 5 (Technical Workshop in Malaysia)



At the entrance of MATRAIN



Lecture



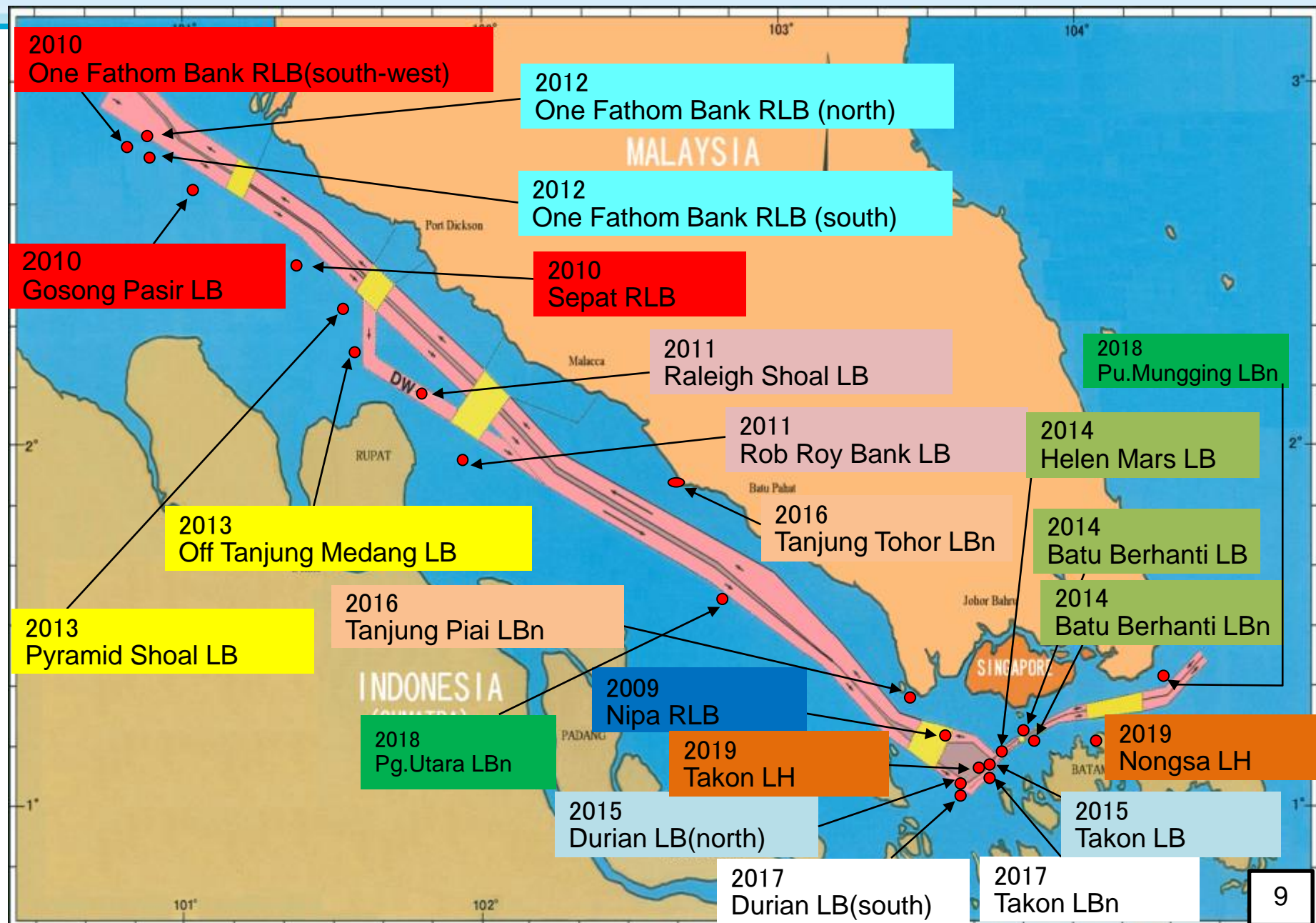
VTS Center



Buoy factory tour



# 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.

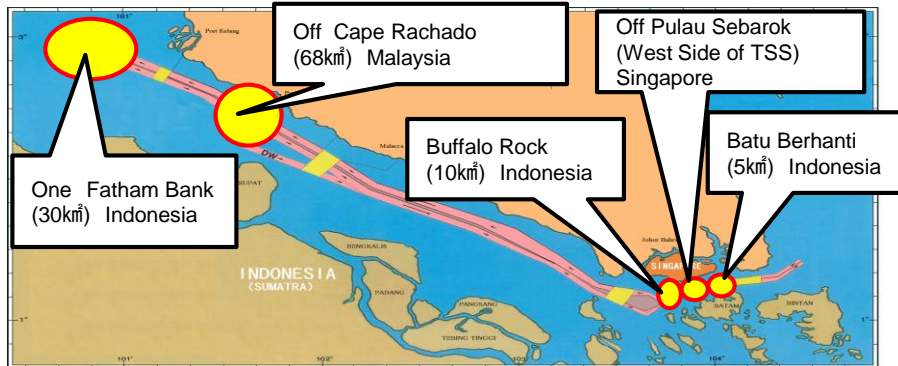
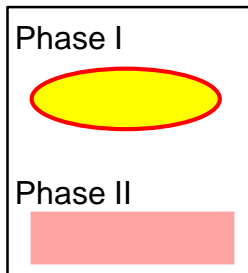
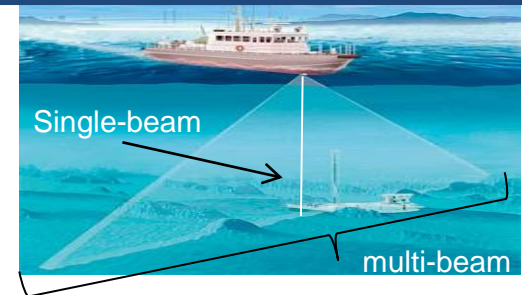


Image of the Joint Hydrographic Survey



## Phase I (2015 – 2016)

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

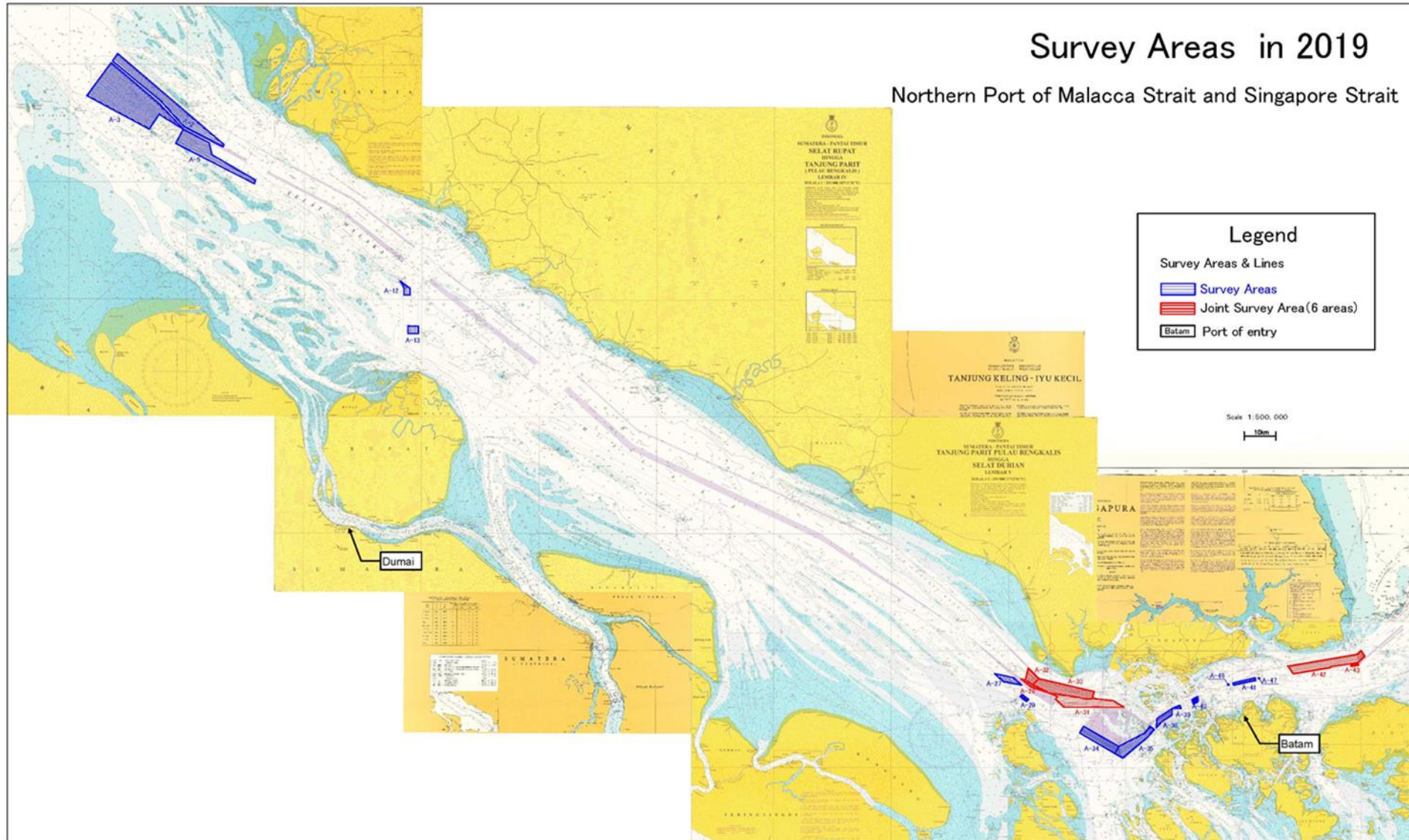
## Phase II (2017 - 2020)

- 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

## Survey Areas in 2019

Northern Port of Malacca Strait and Singapore Strait



# Thank you!



If you have any question/comments, please contact :  
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