

# Activities and View of the Malacca Strait Council



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Mr. Eiichi Kato

Managing Director

Malacca Strait Council, Japan

# 1.The Background of Establishing the Malacca Strait Council

- \* Oil tankers became larger and larger in size in 1960s
- \* Lack of Aids to Navigation and updated navigational charts for VLCC in the Straits of Malacca and Singapore 1960s
- \* Japan was the main user state of the Strait at that time
- \* Strongly requested by Japan Captains' Association & Jugonichi Kai (Association relating to Tanker operation) for the renewed survey
- \* "Torry Canyon" disaster in 1967...Oil pollution

# 1.The Background of Establishing the Malacca Strait Council

- \* **Navigational Safety in the Straits was discussed by IMCO**
- \* **The Nippon Foundation expressed its intension to support the survey and installation of Aids to Navigation in the SOMS**
- \* **Collaboration with the Japanese Government and maritime industries lead the establishment of the new NGO, the Malacca Strait Council**

## 2. Establishment of the Malacca Strait Council

**Malacca Strait Council**  
**Established in 1969**

**The Nippon  
Foundation**

**The Japan  
Maritime  
Foundation**

**The Japanese Shipowners' Association  
Petroleum Association of Japan  
The General Insurance Association of Japan  
The Shipbuilders' Association of Japan**

### 3. Major Activities of MSC (1969-2004)

**Based upon Close Cooperative Relationship and  
Coordination with the Littoral States**

- \* **Hydrographic Survey in the Straits**  
1969 ~ 1975, 1978, 1996 ~ 1998    3.5 billion yen
- \* **Removal of 4 Shipwrecks in the main route**  
1973 ~ 1978    1.4 billion yen
- \* **Installation of Aids to Navigation**  
45 Aids to Navigation at 30 locations  
1969 ~ 2000    2.8 billion yen
- \* **Co-operation in Maintenance of Aids to Navigation**  
1969 ~ 2002    2.5 billion yen  
Twice a year with Indonesian and Malaysian Govt.

### **3. Major Activities of MSC (1969-2004)**

- \* Donation of the Buoy Tender Vessel to Malaysia and Indonesia**

**1976, 2002 & 2003    2.1 billion yen**

- \* Dredging works at 4 locations in the Strait of Singapore**

**1979        1 billion yen**

- \* Donation of Revolving Fund**

**1981        400 million yen**

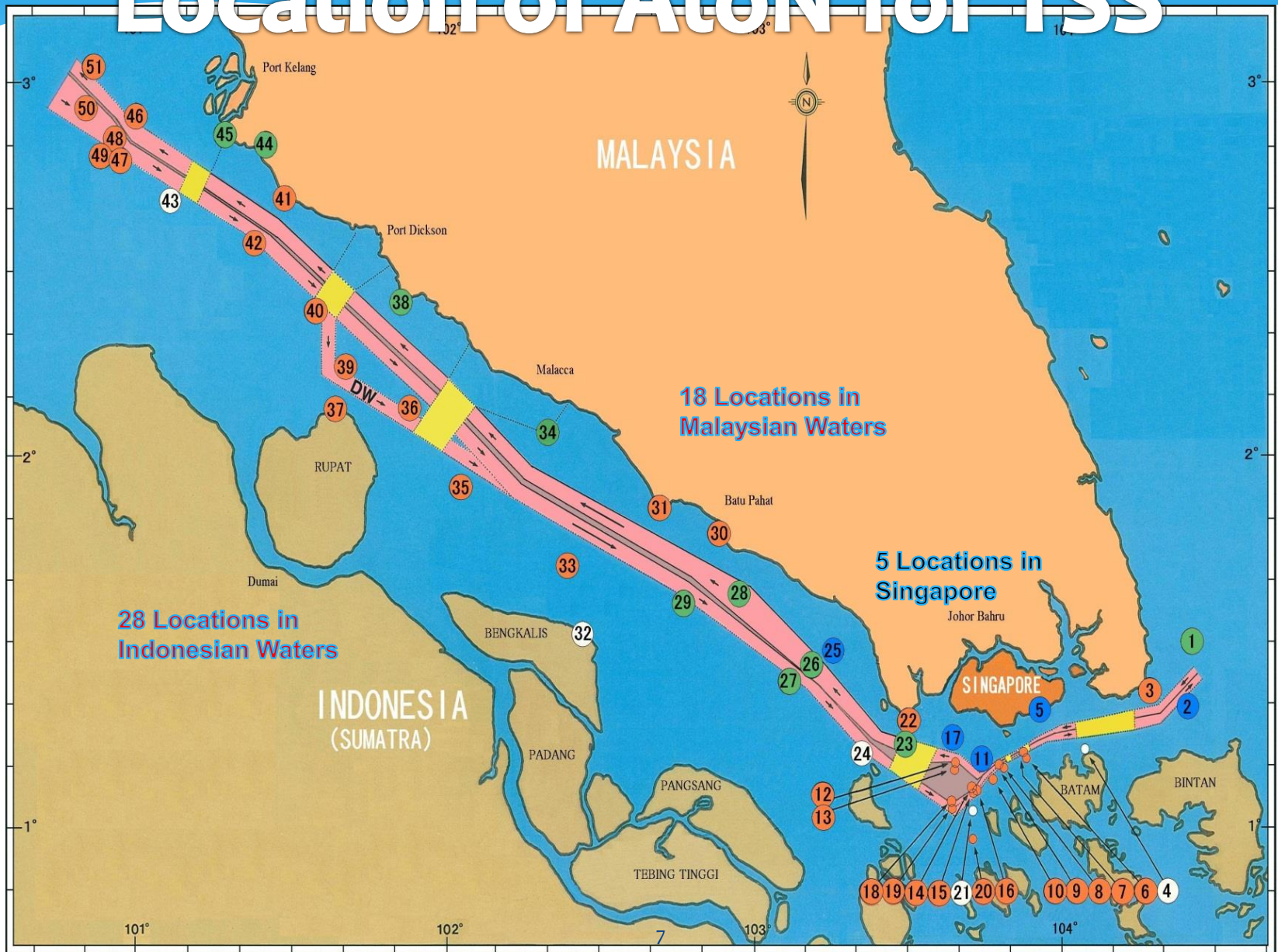
**Finance initial oil skimming operation for  
combating oil spill from the ship**

- \* Donation of Oil Skimming Vessel to Singapore**

**1973        50 million yen**



# Location of AtoN for TSS



# Donation of the Buoy Tender Vessel

Malaysian 2nd 「PEDOMAN」 2002.5



Indonesian 「JADAYAT」 2003.10



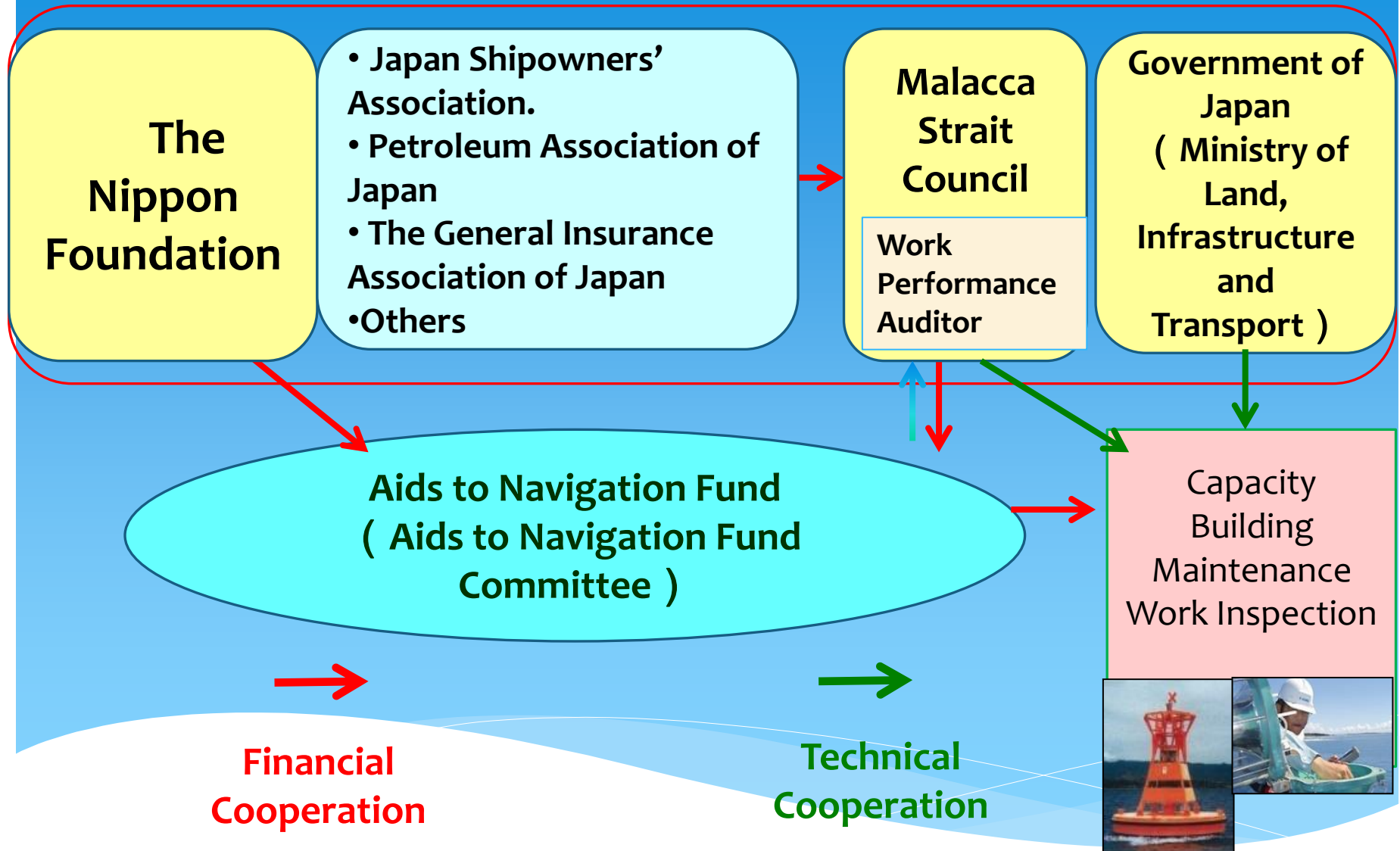


# Examples of Improvement



TAKONG L/H , IYU KECIL L/H, NIPA RLB, Pu.MUNGGING L/BN

## 4. Japanese Side Cooperation Scheme for ANF



## 5. Contribution from MSC to the Aids to Navigation Fund (2009-2013)

<b>* 2009</b>	<b>US\$500,000</b>
<b>* 2010</b>	<b>US\$500,000</b>
<b>* 2011</b>	<b>US\$500,000</b>
<b>* 2012</b>	<b>US\$500,000</b>
<b>* 2013</b>	<b>US\$500,000</b>



# 6. Principal Contents of Maintenance Inspection Work

## Wok Performance Auditor

### Functional Inspection



- \* Light Character (rhythm)
- \* Functional checking of flasher device and lump changer
- \* Bulb (darkness, failure)
- \* Condition of the lantern and lens
- \* Connecting cables
- \* Analysis of storage batteries, voltage, conductance and specific gravity
- \* Output voltage of solar panels
- \* Functional checking of automatic generation system for emergency power
- \* Condition checking of lightning arrester, lightning rod and grounding
- \* Ground impedance reading at lighthouse
- \* Validity checking of anti-corrosion inhibitor in the equipment
- \* Signal<sup>12</sup> detection of radar beacon



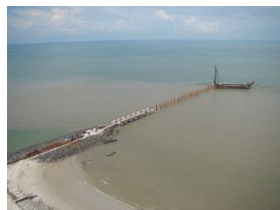
# 6. Principal Contents of Maintenance Inspection Work

## Work Performance Auditor

### Structural Inspection



### Related Facilities Inspection



- \* Paint deterioration
- \* Rotting condition of wooden materials
- \* Checking of cracks of concrete structure
- \* Observation of corrosion of steel structure and if necessary, chipping and touch-up painting .
- \* Correction of loosened lifting-eye of a sinker (light buoy)
- \* Checking of wear of chain ( light buoy)
- \* Cleaning of bird droppings
- \* Checking of safety in the access including a jetty to the Aids to Navigation
- \* Mowing weeds on access roads



# 7. Difficulties on the Operation and Maintenance

## Major Cause of Functional Obstacles

- \* ● Ship's Collision (Collapsed• Damaged• Drifted)
- \* ● Vandal Theft
- \* ● Intentional Destruction
- \* ● Lightning Struck
- \* ● Deterioration of Equipment
- \* ● Poor Maintenance
- \* ● Lack of Technical skill
- \* ● Birds Droppings
- \* ● ?

*A pain in  
the neck*
























# 8. Track Record of ANF Inspection

**Dispatching Technical Expert from MSC to all the sites of inspection**

 Malaysia

 Indonesia

 Technical Workshop

Year/Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2008	Assessment Survey for Cost Estimation											
2009												
2010												
2011												
2012												
2013												
Regular maintenance work carried out twice in a year for 18 identified Malaysian AtoN and 28 identified Indonesian AtoN												

9. Importance of Sustainability of the Aids to Navigation Fund for the Safety of Navigation and the Protection of the Environment in the SOMS

Equitable Co-operation and Contribution among Littoral States, User States and Stakeholders are Necessary

# Thank you

