

**PROJECT 2**

**COOPERATION AND  
CAPACITY BUILDING ON  
HNS PREPAREDNESS AND  
RESPONSE**

IN THE STRAITS OF MALACCA  
AND SINGAPORE

## OBJECTIVES

Generally to enhance marine  
environmental protection in the Straits

by

enhancing the preparedness and response  
capabilities of the littoral States against  
any ship based hazardous and noxious  
substances incident.

## CURRENT STATUS

### TRAFFIC

A variety of products carried on board ships transiting the Straits include dangerous cargoes such as oil, gas and chemical products.

About 5% from the total number of ships transiting the Straits annually are LNG/LPG carriers and another 25% are tankers while others carry chemical products.

Therefore the STRAITS IS EXTREMELY VULNERABLE TO POLLUTION INCIDENTS.



Protocol on Preparedness, Response and  
Co-ordination to Pollution Incidents by Hazardous and  
Noxious Substances, 2000

### OPRC – HNS PROTOCOL

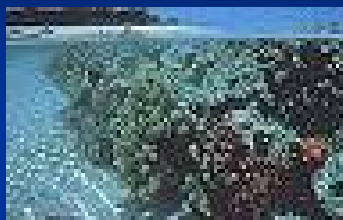
Formally adopted on 15 March  
2000

Entered Into Force 14 June 2007

## CURRENT STATUS

### IMPACT

- Currently there is very minimal (HNS) preparedness and response capabilities along the Straits.
- This inadequacy will drastically reduce the capability of littoral States to prevent serious damage to the marine environment and resources in the Straits in the event of any ship-based HNS incident in the Straits.
- The economic livelihood of thousands of fishermen along the Straits will seriously be impacted.



## CURRENT STATUS

### NEEDS

- There is a serious need for knowledge and capacity building on preventive and curative alternatives available in an event of any HNS spill in the Straits.
- The establishment of HNS Databank and response capability and cooperation will significantly increase the capability of the littoral States to prevent great damage to the marine environment in the Straits.

## SCOPE OF PROJECT

### 4 COMPONENTS

1. Establishment of a common HNS databank & risk assessment  
Interested party – Australia
2. Formulation of SOP for Joint HNS Spill Response  
Interested party – United States
3. Establishment of HNS Response Centres
4. Capacity Building Programme  
Interested party - China

## Proposed 7 HNS Response Centres



## ESTIMATED COST

- Total project estimated cost is expected to be about **USD 3.5 million**

## POTENTIAL BENEFITS

- Each littoral States will have a common HNS Databank and its own National Response Equipment Centre to combat HNS spills from ships.
- The common standard operating procedure (SOP) and coordinated training will enable greater cooperation among littoral States in the Straits.
- Increase the ability of the littoral States to protect the marine environment and resources.
- Indirectly contribute to the maintenance of safety of navigation as a result of the improved capability to deal with ships involved in HNS incidents.

## POTENTIAL BENEFITS

- The information collated in the common HNS databanks may be useful input for the on going Marine Electronic Highway (MEH) demonstration project.
- The MEH demonstration project may even include the common HNS databanks that is developed in this project as part of the MEH database.
- Furthermore other States in the region e.g. ASEAN member States may be given access to any of the established common HNS databanks or established their own similar common HNS databanks.

## AREAS FOR CO-OPERATION

- Development and establishment of a common electronic based HNS databank & risk assessment including the provision of computers at each littoral State.
- Development of a common SOP for HNS spill response.
- Funding for the setting up of HNS national response centres including maintenance for a pre-determined period.
- Contribution of funds for the purchase of the HNS response centre equipment, or in-kind contribution to the HNS response centres.
- Training and capacity building in HNS. Start-up awareness and training programmes including national level exercises and joint exercises.

## PROJECT SCHEDULE

expected duration of 2 years

- **ESTABLISHMENT OF COMMON HNS DATABANK**
  - 8 months
- **DEVELOPMENT OF SOP**
  - 12 months
- **PROCUREMENT OF EQUIPMENT**
  - 8 months
- **ESTABLISHMENT OF IDENTIFIED HNS CENTRES**
  - 10 months
- **TRAINING**
  - 18 months

# THANK YOU