



VIETNAM NATIONAL COMMITTEE FOR SEARCH AND RESCUE
THE NATIONAL SOUTHERN OIL SPILL RESPONSE CENTER (NASOS)

VIETNAM OIL SPILL PREPAREDNESS AND RESPONSE: CURRENT STATUS AND RECOMMENDATIONS

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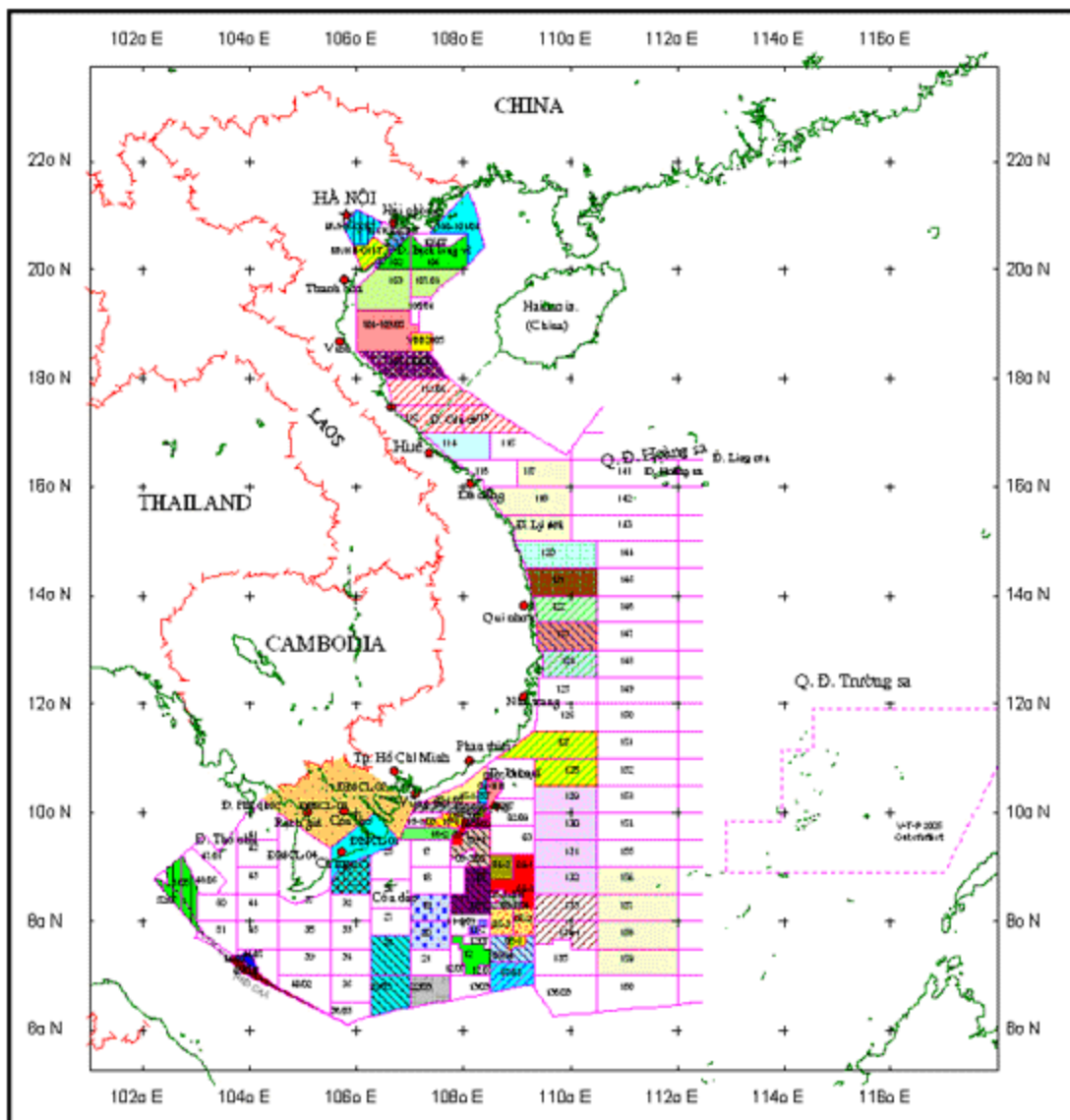
Tokyo, February 06, 2014

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OVERVIEW OF VIETNAM WITH REGARD TO OIL SPILL





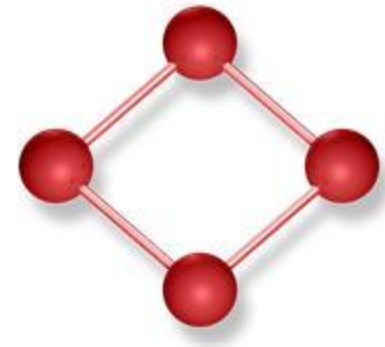
- Petroleum exploration and production activities
 - Transport, storage, transfer and distribution activities
 - Vietnam borders the South China Sea (East Sea)
- => Vietnam is vulnerable to oil spill

OIL SPILL RESPONSE SYSTEM IN VIETNAM

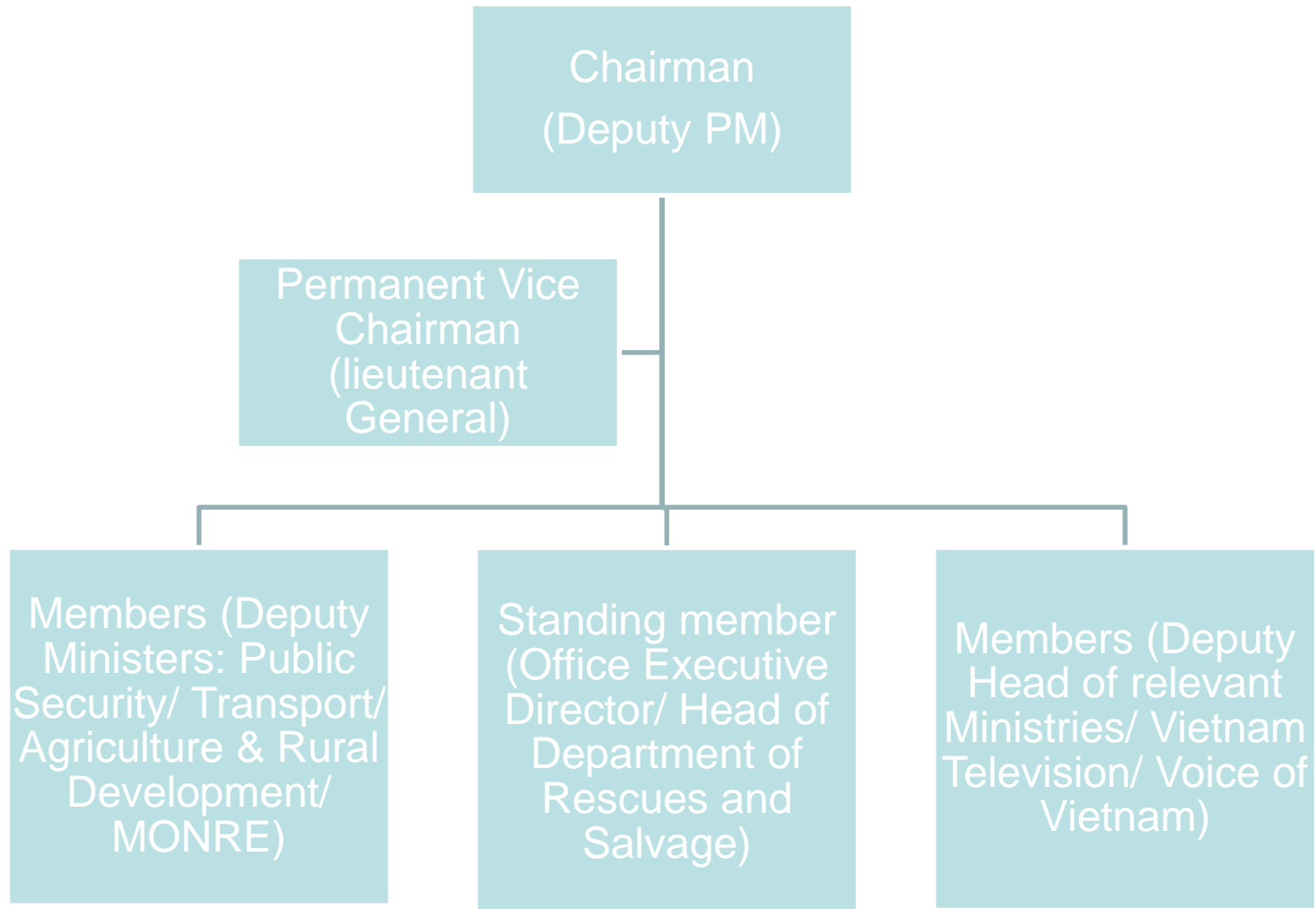


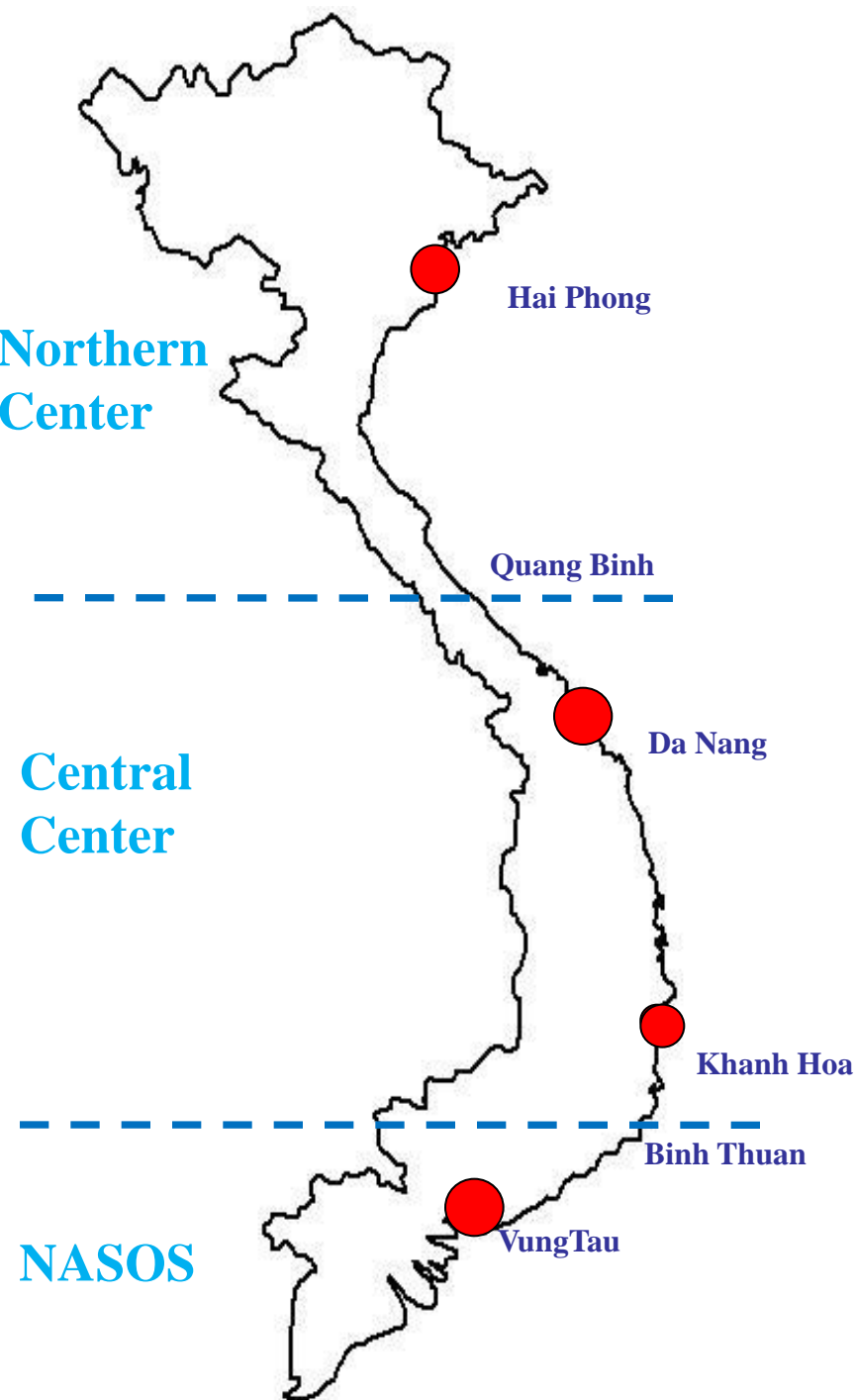
The three resources of Vietnamese spill response

- Governmental resources
- Provincial resources
- Private industry resources



Vietnam National Committee for Search and Rescue (Vinasarcom)





Under Vinasarcom, there are 3 regional oil spill response centers in Vietnam:

☐ **The National Northern Oil Spill Response Center: OSR base in Hai Phong**

☐ **The National Central Oil Spill Response Center: OSR base in Da Nang and Khanh Hoa**

☐ **The National Southern Oil Spill Response Center: OSR in Vung Tau**

Capacity of 3 centers

❖ Northern Center:

- ✓ 3 offshore recovery vessels
- ✓ 1 river oil recovery vessel
- ✓ 1 vessel for storage of spilled oil (1,000 m³)
- ✓ 04 oil recovery devices
- ✓ 3,500m oil boom, shoreline cleanup equipment



❖ Central Center:

- ✓ 2 offshore recovery vessels
- ✓ 03 oil recovery devices
- ✓ 5,000m oil boom, shoreline cleanup equipment



❖ Southern Center:

- ✓ 2 offshore recovery vessels
- ✓ 1 skimmer
- ✓ 500m offshore boom (agreement in principle with PV Drilling: 2,200m oil boom, 9 skimmers, storage tanks, 2 river oil recovery vessels, shoreline cleanup equipment)

2 OIL RECOVERY VESSELS OF NASOS

VESSEL NASOS I

- **Technical data:**
 - + 589 DWT
 - + 559 GT
 - + Length overall: 44m
 - + Breadth moulded: 10.6m
 - + Engine: 2,000 BHP
 - + Max speed: 12knots
 - + Spilled oil storage: 180 m3
 - + Dispersant tank: 10 m3
- Operation scope: international sea, limited level 1
- Handover: Nov 2010

VESSEL NASOS II

- **Technical data:**
 - + 952 DWT
 - + 922 GT
 - + Length overall: 53m
 - + Breadth moulded: 12m
 - + Engine: 3,300 BHP
 - + Max speed: 12knots
 - + Spilled oil storage: 327 m3
 - + Dispersant tank: 12 m3
- Operation scope: international sea, unlimited level
- Handover: August 2012



Base in Vung Tau city

- The base was put into operation in October 2012.
- Total area: 26,000 m²: land 6,000m²; water and pier: 20,000 m²
- Pier: 130m long, 8-16m wide (for 02 vessels to harbour)

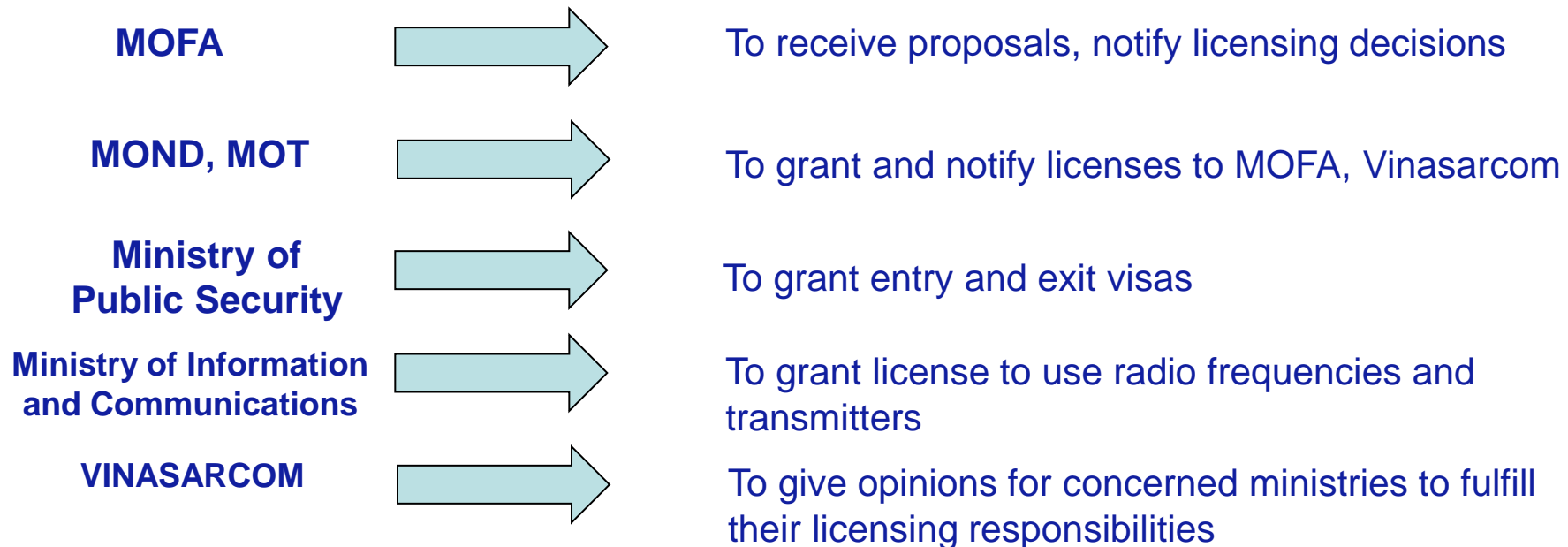


DOMESTIC LEGAL DOCUMENTS RELATING TO OIL SPILL

- ❖ Law on environmental protection dated 29 November 2005
- ❖ Prime Minister Decision No. 129/2001/QD-TTg dated 29 August 2001 approving national plan on oil spill response in the 2001-2010 period
- ❖ Prime Minister Decision No. 02/2013/QD-TTg dated 14 January 2013 promulgating the regulation on oil spill response:
 - Classify 3 levels of OSR
 - Classify 3 Tiers of Oil Spill Incidents
 - Oil spill preparedness
 - Inspection to determine the cause of oil spill incident
 - Procedures of settlement of oil spill consequences
 - Specify responsibilities of all stakeholders in oil spills



- Decree 95/2010/ND-CP on licensing of and cooperation with foreign search and rescue forces in Vietnam:
 - The process of approval of participation of foreign search and rescue forces
 - Licensing agencies:
 - Coordination in licensing:



INTERNATIONAL COOPERATION IN OIL SPILL RESPONSE

Joint Statement On Partnership in Oil Spill Preparedness and Response in the Gulf of Thailand (GOT Program)

- ✓ **Initiated by PEMSEA**
- ✓ **Signed on Jan 12, 2006 in Hanoi by Cambodia, Thailand and Vietnam.**
- ✓ **Mission: To enhance national and regional capabilities concerning oil pollution prevention, preparedness and response through a Gulf-wide exchange of information, joint research and development project, training, OSR exercises, and mutual assistance in response, collaborative arrangements, partnership building implementation**



GOT Program (cont')

Framework Program

- ✓ Designation of NOSRC
- ✓ Reports, alerts and communications
- ✓ Training and information sharing: www.got-pemsea.com
- ✓ Mutual assistance in response
- ✓ Resources available
- ✓ Movements of personnel, crafts, and equipment between the parties
- ✓ Reimbursement procedures
- ✓ Joint Oil spill response
- ✓ Coordination

GOT TRAINING & NCP Meeting

GOT TRAINING V

Time: 3 days, 17 – 19/04/2012

- Venue: Can Tho city
- Objective:
 - + Overview of legal documents in oil spill response
 - + Oil spill response methods.
 - + Table-top exercise (5 groups)
 - + Visiting PV Oil's OSR equipment and witnessing river exercise in Can Tho.

NCP Meeting 2011

- Time: 3 days, 03 – 05/10/2011
- Venue: Ho Chi Minh city
- Objective: annual meeting of NCPs and Workshop on Claims & Compensation delivered by experts from ITOPF and IOPC Funds.

GOT TRAINING VI

Time: 3 days, 14 – 16/05/2013

- Venue: Vung Tau city
- Objective:
 - + New regulation on oil spill response: new contents compared to previous one
 - + Overview of oil spill incident
 - + Role of ESI Maps in oil spill response.
 - + Appraising OSCP at grassroots level: key contents to focus
 - + Exercise: Appraisal of OSCP (divided in 5 groups)
 - + Management of oil waste in oil spill response
 - + Cooperation in inter-provincial oil spill response
 - + Visiting Vung Tau OSR base and 02 oil recovery vessels of NASOS

NCP Meeting 2011



GOT Training V (2012)



GOT Training VI (2013)





GOT Program (cont')

ESI Mapping in the Gulf of Thailand project

- ✓ **Name of project: Strengthening Oil Spill Preparedness and Response in a Subregional Sea area: Environmental Sensitivity Mapping in the Gulf of Thailand**
- ✓ **Project duration: July 2012 to December 2013**
- ✓ **Implementing Organization: IMO, PEMSEA**
- ✓ **Project Objective: To develop GOT sensitivity maps for planning and response to oil spill incidents covering coastal and marine resources of the Gulf, existing economic activities along the coast and offshore and gazetted areas, as well as locations of emergency services, spill response equipment and related services.**
- ✓ **Project Output:**
 - **Final report on ESI mapping with scale of 1/50,000**
 - **Set of ESI maps (GOT Atlas) with scale of 1/50,000 the GOT (A0 size, laminate layer)**

**Final Workshop on
Environmental Sensitivity Index Mapping
in the Gulf of Thailand**

6 Dec 2013
Dusit Hotel, Philippines



- Map: [VN_ESI_MAP_40](#)

(Please see the ESI map attached to this presentation.)

- Description page: [VN_ESI_MAP_40](#)

(Please see the description attached to this presentation.)

MOA between Vietnam and the Philippines on Joint Oil spill preparedness and response

- ✓ **Signed on October 26, 2010 in Hanoi.**
- ✓ **Fields of cooperation:**
 - **Human resources development**
 - **Mutual assistance**
 - **Information exchange**
 - **Research and development**
 - **Other fields of cooperation**

MOA between Vietnam and the Philippines on Joint Oil Spill Preparedness and Response

- ✓ **Approval of the MOA.**
- ✓ **Set up a contact channel**
- ✓ **Kick-off Meeting**

**ENHANCEMENT OF LOCAL
CAPACITY IN OIL SPILL
PREPAREDNESS AND RESPONSE**



Exercises

- ❖ **Internal exercise of 3 regional centers**
- ❖ **Annual exercise of oil companies: conducted by PV Drilling**
- ❖ **National exercise: 1st time: 2002**

NASOS internal exercise

❖ Objectives:

- To enhance OSR professional capability of NASOS staff in general and OSR skills of responder teams in particular;
- To test NASOS capability in terms of personnel, OSR equipment and facilities, methods of communications and coordination among relevant teams.
- To help newcomers in getting familiar with OSR equipment, their functions and method of operation in reality as well as understanding clearly roles and responsibilities of each team member in OSR.

NASOS internal exercise (cont')

❖ Equipment and facilities:

- 02 oil recovery vessels: NASOS I and NASOS II;
- 02 sets of offshore Ro-boom: 250m/set.
- 01 offshore skimmer: 66m³/h.
- 01 temporary storage tank: 25 tonnes.
- 01 dispersant spray set.
- 03 hydraulic sets

❖ Manpower:

- Crew of 02 vessels NASOS I and NASOS II: 24 persons
- NASOS offshore responder team: 14 persons



Training

- ❖ **Annual training of 3 regional centers for provincial environmental officers in designated area**
- ❖ **Training for HSE staff of oil companies: conducted by PV Drilling**
- ❖ **Training for military forces: organized by Vinasarcom**
- ❖ **Training for provincial officers: organized by each province**

CHALLENGES



- ✓ Oil spill response capacity
- ✓ Financial guarantee to ensure compensations for damages and loss caused by oil spill incidents.
- ✓ Procedures and forms to mobilize foreign forces into Vietnam to support in oil spill response
- ✓ Regulation on dispersant use.



RECOMMENDATIONS



- ✓ Promulgating the regulation on dispersant use ASAP
- ✓ Procedures, forms and deadline to approve the mobilization of foreign oil spill response forces into Vietnam.
- ✓ Business incentives to private enterprises providing oil spill response services
- ✓ Strengthening the regular inspection of business.



Q & A

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