ASEAN Cooperation in Disaster Management

Purpose: Information
Submitted by: Viet Nam
ASEAN COOPERATION IN DISASTER MANAGEMENT

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i. ASEAN: An Overview

ii. Three pillars of ASEAN

iii. Birth of AADMER

iv. AHA Centre

v. ARDEX 2013 in Vietnam
ASEAN: One Vision, One Identity, One Community,

The Association of Southeast Asian Nations (ASEAN) consists of 10 countries with 600 million people. Every year, on average, the ASEAN region experiences losses related to natural disasters estimated at US$ 4.4 billion.\(^*\)

* Source: Advancing Disaster Risk Financing and Insurance in ASEAN Countries, World Bank, GFDRR, ASEAN, and UNISDR
ii. Three pillars of ASEAN

ASEAN’s Community Building ....

Where is AADMER under the ASEAN’s Pillars?

Here it is!
iii. Birth of AADMER

Trends and Predictions

1970-1979:
• 138 occurrences of disasters in Southeast Asia in the period 1970–1979

2000–2009:
• Occurrences of disaster reached 508, an increase of 368 percent since the 1970s

Emerging Trend:
• There will be almost 1,000 occurrences of disaster in the next decade, or an average of about 100 disasters per year

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
<td>No.</td>
</tr>
<tr>
<td>Brunei Darussalam</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>0.29</td>
</tr>
<tr>
<td>Cambodia</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>0.47</td>
</tr>
<tr>
<td>Indonesia</td>
<td>26</td>
<td>81%</td>
<td>78</td>
<td>36.79</td>
</tr>
<tr>
<td>Lao PDR</td>
<td>3</td>
<td>2.17</td>
<td>6</td>
<td>2.83</td>
</tr>
<tr>
<td>Malaysia</td>
<td>3</td>
<td>2.17</td>
<td>4</td>
<td>1.89</td>
</tr>
<tr>
<td>Myanmar</td>
<td>8</td>
<td>5.8%</td>
<td>3</td>
<td>1.42</td>
</tr>
<tr>
<td>Philippines</td>
<td>75</td>
<td>54.35%</td>
<td>87</td>
<td>41.04</td>
</tr>
<tr>
<td>Singapore</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Thailand</td>
<td>5</td>
<td>3.62</td>
<td>11</td>
<td>5.19</td>
</tr>
<tr>
<td>Viet Nam</td>
<td>7</td>
<td>5.07</td>
<td>22</td>
<td>10.38</td>
</tr>
<tr>
<td>Total</td>
<td>138</td>
<td>100%</td>
<td>212</td>
<td>100%</td>
</tr>
</tbody>
</table>

Source: EM-DAT: The Office for Foreign Disaster Assistance ICRED International Disaster Database
Typhoon Nargis in Myanmar, 2008

AADMER - FOR A MORE UNITED AND COORDINATED EFFORTS TOWARD DISASTERS WITHIN THE REGION

Signed in July 2005, ratified by all ten countries in ASEAN, entered into force on 24 December 2009

Objective: Reduce disaster losses in ASEAN region, and jointly respond to disaster emergencies

A legal framework for all ASEAN Member States and serves as a common platform in responding to disasters within ASEAN

ASEAN Coordinating Centre for Humanitarian Assistance (AHA Centre) as the operational coordination body and engine of AADMER

iv. AHA Centre

MILESTONES

2005: Signing of AADMER
First ARDEX exercise

2008: Adoption of ASEAN-SASOP
First deployment of ASEAN-ERAT

2009: Entry into force of AADMER
ASEAN Secretary-General as the ASEAN Humanitarian Assistance Coordinator

2010: Launch of the AADMER Work Programme

2011: Signing of the Agreement on the Establishment of AHA Centre
Official launch of the AHA Centre

2012: Convening of the first AADMER Conference to Parties
Setting up of ASEAN logistic system (stockpile)
Core Business

✓ Cooperation
✓ Coordination
✓ Collaboration

The AHA Centre shall work on the basis that the Party will act first
Two main areas:

1. **Disaster Monitoring**
   - Disaster Monitoring and Response System
   - ASEAN DISASTER Information Network
   - Situation update during disaster emergency
   - Daily situation update
   - Weekly situation update
   - Utilising social media

2. **Preparedness & Response**
   - Logistic Project
   - ERAT
   - WebEOC
   - Standby arrangement
   - Emergency response operations
Guides and templates

Procedures for joint disaster relief and emergency response operations:
• personnel, experts
• transportation
• communication equipment
• CIQ

ASEAN regional disaster emergency response simulation exercises (ARDEX)

v. ARDEX 2013
ARDEX Introduction

- ARDEX – ASEAN Regional Disaster Emergency Response Exercise
- An activity of ASEAN to test the coordination process in response to natural calamities as regulated in the Standard Operation Procedure for ASEAN agreement on Disaster Management and Emergency Response (ADDMER)
- Since 2005, ARDEX has been launched in:
  - Malaysia
  - Cambodia
  - Singapore
  - Thailand

Exercise Objectives

- Improve cooperation and coordination capacity in disaster emergency response and relief among ASEAN countries;
- Enhance the understanding, experience and technical knowledge sharing among countries to contribute to enhance capacity in disaster prevention and mitigation;
- Evaluate the Standard Operating Procedure for Regional Standby Arrangements and Cooperation of Join Disaster Relief and Emergency Response Operations (SASOP);
ARDEX experience sharing

- Visit, discuss with Thailand and Singapore previous ARDEXs:
  - ARDEX 07
  - ARDEX 08

ARDEX Preparation

Central Committee for Flood and storm control (CCFCC) - Ministry of Agriculture and Rural Development:
- General guidance on the preparation and organization of exercise
- Chair to develop the overall plan of the exercise
- Develop scenario on response mechanism exercises
- Focal contact with the ASEAN Secretariat, the AHA Centre and ASEAN countries
- Chair Exercise planning team meetings, preparing the logistics work

VINASARCOM – Ministry of National Defense:
- Chair to develop exercise scenario
- Design to construct the exercise sites
- Set up commander post, manage the exercise
- Organize to give license, control, manage the forces, equipment involving in search and rescue of international organizations
- Ensure security, safety in the exercise area in the exercise day
ARDEX Preparation

- **Ministry of Foreign Affairs**
  Primary responsibility for foreign affairs and consul, in collaboration with the Ministry of Agriculture and Rural Development and other ministries perform other related duties during preparation and exercise organization

- **Ministry of Public Security**
  Chair to ensure security and smooth traffic during exercise.
  Primary responsibility for immigration procedures for search and rescue forces in the exercise

- **Ministry of Communication and Information**
  Make sure the communications, media coverage of the exercise process

ARDEX Preparation

- **Ministry of Transportation**
  Coordinate to arrange the layout of the CIQ exercise area at Noi Bai international airport

- **Ministry of Finance**
  - Coordinate with the Ministry of Public Security directs General Department of Customs to implement CIQ procedures
  - Ensure budget for preparation and exercise

- **The People's Committee of Hanoi City**
  - To mobilize local forces to participate in military exercises
  - To coordinate with the Ministry of Public Security to ensure security and safety during exercise
### Exercise Scenario

Super typhoon “NEPTUNE” with wind intensity of 12, 13 (130-150 km/h) and gusts level 14, 15 (170-180 km/h) lands in the area of Northern Delta provinces of Vietnam
- Road, railway system and some airports have ceased operations

**Consequences:**
- Large scale inundation; some dyke systems are broken; some neighboring areas, public infrastructures have collapsed
- About 2,000 dead, 500 missing, tens of thousands of people lost their shelters and in need of emergency assistance

Super typhoon “NEPTUNE” lands in Hanoi area leading to severe flood, breaks many dyke lines
- Hundreds of houses collapsed and wiped out by the flood water

**According to report from Hanoi City:**
- 1,000 dead
- 300 inhabitants missing
- More than 10,000 people lost their houses
- More than 5,000 people need to be evacuated and provided with emergency relief

### Exercise contents

<table>
<thead>
<tr>
<th>Communication Exercise</th>
<th>Emergency Rapid Assessment</th>
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</thead>
<tbody>
<tr>
<td>Custom, Immigration &amp; Quarantine (CIQ) Exercise</td>
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</table>
On-site exercise  
(23rd Oct 2013)

- Prepare and Implement: VINASCOM
- Deputy Prime Minister opening the exercise
- Location: Thuy An commune, Ba Vi district, Ha Noi

CONTENTS FOR EXERCISE

01 Evacuation and Emergency relief for inhabitants in flooded area and medical assistance Level 1
02 Response to collapsed structure, search & rescue operations and medical assistance Level 1
03 Response to hazardous material accident, search & rescue and medical assistance Level 1
04 Level 2 Medical assistance
Scenario 1: EVACUATION AND RELIEF FOR PEOPLE IN FLOODED AREA

At 02.30 on 20/10/2013, Typhoon "NEPTUNE" landfalls in Hanoi causing serious flooding, breaking many river dike lines; hundreds of houses collapsed and washed away by flood water.

CONSEQUENCE:
About 1,000 dead, over 300 people missing; above 10,000 people lost their houses completely. Over 5,000 people in need for evacuation and emergency relief.

Scenario 2. RESPOND TO COLLAPSED STRUCTURE AND SEARCH & RESCUE OPERATIONS

Typhoon "NEPTUNE" caused damage to hundreds of houses, apartments, schools, hospitals and public buildings in Hanoi area.

CONSEQUENCE
In urban areas "A" there are more than 300 people stuck or buried in collapsed buildings.

Collapsed house area: 210m² x 3: 630 m²
Exercise area: 1.4 ha
Scenario 3.
RESPONSE TO HAZARDOUS MATERIAL ACCIDENT AND SEARCH & RESCUE

Typhoon “NEPTUNE” caused serious damage to “Sao Mai” chemical production and trading company

CONSEQUENCE
One store with 400 tons of HNO3 collapsed causing some tanks of HNO3 to leak affecting a large area of environment, air and water

Store area: 210 m²
Exercise area: 0.8 ha

Scenario 4.
LEVEL 2 MEDICAL ASSISTANCE

Field hospital scale: 100 beds
Area: 1.8 ha

Typhoon “NEPTUNE” causes serious
Resulting to a large number of casualties from town “S” and neighboring areas

CONSEQUENCE
The traffic system by land is fragmented; 1000 of habitants injured and in need of immediate medical assistance
**Tentative Time-line of Activities**

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>19 Oct</td>
<td>Vietnam Focal Point requests for assistance &amp; processing of offers of assistance (Communication exercise)</td>
</tr>
<tr>
<td>20 Oct</td>
<td>Arrival &amp; in-processing of overseas’ SAR teams at Airport CIQ</td>
</tr>
<tr>
<td>21 Oct</td>
<td>Opening of the exercise week (10.00-11.30) and ARDEX Workshop (Part 1 from 13.30-17.00)</td>
</tr>
<tr>
<td>22 Oct</td>
<td>ARDEX Workshop (Part 2 from 09.00-12.00) and All teams visit sites (From 13.00-18.30)</td>
</tr>
<tr>
<td>23 Oct</td>
<td>Exercise Day</td>
</tr>
<tr>
<td>24 Oct</td>
<td>Evaluation Meeting (08.30-10.00) and Culture Activities (10.00-17.00)</td>
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<tr>
<td>25 Oct</td>
<td>Departure</td>
</tr>
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**ARDEX Participants**

<table>
<thead>
<tr>
<th>Planned Participants</th>
<th>Proposed participants</th>
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<tbody>
<tr>
<td>- ASEAN – ERAT</td>
<td>- IFRC, Red Cross</td>
</tr>
<tr>
<td>- Referee</td>
<td>- Other international organizations</td>
</tr>
<tr>
<td>- ASEC, AHA Centre (ASEAN Coordinating Centre)</td>
<td></td>
</tr>
<tr>
<td>- China, Korea, Japan</td>
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<tr>
<td>- UN agencies: UN OCHA</td>
<td></td>
</tr>
<tr>
<td>- ASEAN Teams</td>
<td></td>
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<tr>
<td>- Vietnamese Teams</td>
<td></td>
</tr>
<tr>
<td>- International organizations in Vietnam</td>
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Thank You Very Much For Your Attention!!

For more information, please visit
http://www.asean.org/
http://www.ahacentre.org/
http://www.ccfsc.gov.vn
http://www.dmc.gov.vn