**Application of the PSHEM Code**

The Code has been successfully demonstrated on the Port of Tanjung Pelepas (Malaysia), Bangkok Port and Laem Chabang Port (Thailand). To meet the objectives of the PSHEM Code, these ports followed the PSHEM framework and the “continual improvement process.”

**Phase 1 Initial Status Review**
Consists of a system review to establish the current status of the existing processes and the system being implemented by the port.

**Phase 2 Strategic Planning**
Involves the identification of hazards and the conduct of risk assessment and the establishment of objectives, targets and programs.

**Phase 3 System Development and Documentation**
Involves the establishment of the business processes, manuals and procedures to facilitate the control of the processes and address identified risks.

**Phase 4 Implementation and Monitoring**
Consists of the progressive implementation of the policy, programs and procedures, as well as measurement of performance.

**Phase 5 PSHEM Auditing**
Consists of planning, conduct and results of audits and the reporting of audit findings.

**Phase 6 Continual Improvement**
Comprises a Top Management Review of the PSHEM, its policy and the achievement of objectives.

The PSHEM developed in these ports achieved the following results:
- Improved operational business efficiency and cost savings;
- Reduced accidents and resulting environmental damages;
- Improved system of safety, health and environmental governance to control private terminal operators;
- Improved handling of dangerous cargoes and waste materials; and
- Reduced safety, health and environmental risk through improved access control in the port.
Implementation of the PSHEM Code

A number of international ports in the region are starting to implement the PSHEMS. The German International Cooperation (GIZ) is assisting the ASEAN Ports Association (APA) to improve environmental and occupational safety and health management in selected ports of the region, including:

- Phnom Penh and Sihanoukville in Cambodia
- Tanjung Priok in Indonesia
- Sabah and Johor ports in Malaysia
- Cagayan de Oro and Iloilo in the Philippines
- Bangkok and Laem Chabang in Thailand
- Saigon in Vietnam

PEMSEA and GIZ are working jointly to develop and implement an integrated systematic approach in accordance with the provisions of the PSHEM Code at these ports.

Launching of the PSHEM Code and PSHEMS Recognition System

In July 2012, the PSHEM Code was formally launched at the Yeosu International Expo 2012 in RO Korea as part of the PSHEMS partnership project by the Organizing Committee for Expo 2012, Yeosu, RO Korea; the Korea International Cooperation Agency (KOICA); and PEMSEA. The project is geared toward establishing the governance system for PSHEM Code and putting the PSHEMS Recognition System into full operation.

Better Ports for Sustainable Seas

Port authorities and officials can contact PEMSEA to learn more about PSHEMS and inquire of PSHEMS training and recognition services to help improve port operations and manage the increasing impact of ports to coastal and marine ecosystems and ocean-based economies.

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Port Safety, Health and Environmental Management System (PSHEMS)

Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)

The Yeosu Project and Expo 2012 Yeosu Korea

KOICA
Korea International Cooperation Agency