

PEMSEA PSHEM Code Initiative

Ports and harbors are integral parts of the majority of East Asia's coastal communities. These serve as the center of economic development and activity and the gateway to domestic, regional and international markets. Port authorities and operators face a number of challenges concerning their role and impact in ICM programs and sustainable development of coastal areas.

For the past six years, PEMSEA has been actively engaged in the development of a Port Safety, Health and Environmental Management (PSHEM) Code and the demonstration of the PSHEM System (PSHEMS) through the implementation of a safety, health and environmental management system for the port industry.

In October 2011, the PSHEM Code was formally adopted by PEMSEA's Executive Committee and its Governing Body, the East Asian Seas Partnership Council, as a PEMSEA-certified document.

Port Safety, Health and Environmental Management (PSHEM) Code

The PSHEM Code is aimed at providing port authorities—or any other company operating within the port, whose activities may have an effect on the health and safety of people, environment, cargoes and port installations—with a voluntary standard to measure the performance of their operations with regard to quality, safety and health, and the protection of the environment.

The PSHEM Code is structured using the PSHEMS Continual Improvement Process and the key elements of recognized international standards, namely ISO 9001 (Quality Management), ISO 14001 (Environmental Management) and OHSAS 18001 (Occupational Health and Safety).

PSHEMS Continual Improvement Process



Port photos courtesy of Xiamen and Bangkok Ports.

PSHEMS Recognition

PSHEMS Recognition System is established to formally acknowledge that the established PSHEMS of the Port meets the requirements of the Code and confirms the effective implementation of the system.

The PSHEMS Recognition System is structured as a tri-level approach to encourage the Port Authority and/or Operator to strive for excellence through continuous improvement.

The three levels of PSHEMS Recognition are as follows:

Level 1 Recognition for Compliance

Integrated management system for PSHEMS developed and implemented, compliant with the requirements of the PSHEM Code and consistent with the requirements of ISO 14001, ISO 9001 and OHSAS 18001.

Level 2 Recognition for Proficiency

Significant progress in building sound processes achieved and superior results demonstrated.

Level 3 Recognition for Performance Excellence

High level of excellence in PSHEMS performance achieved.

The Port of Tanjung Pelepas (Malaysia), Bangkok Port and Laem Chabang Port (Thailand) were awarded a certificate of recognition by PEMSEA at the East Asian Seas Congress 2009.

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 PSHEMS 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 process, 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 PSHEMS Auditing

Consists of planning and conduct of audits and the reporting of audit findings.

Phase 6 Continual Improvement

Comprises a Top Management Review of the PSHEMS, its policy and the achievement of objectives.

The PSHEMS developed in these ports achieved the following results:

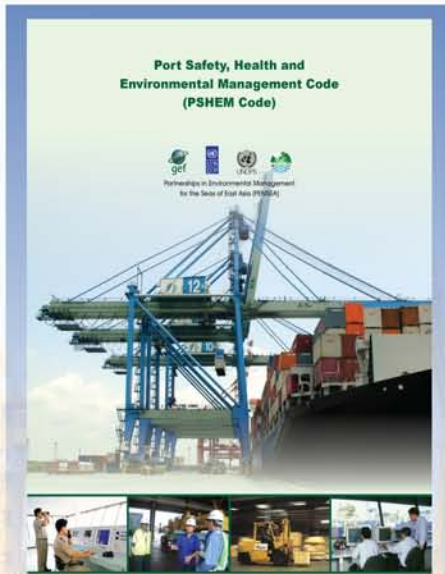
- Improved operational business efficiency and cost savings;
- Reduced accidents and resulting environmental damages;
- Improved system of safety, health and environmental governance to control private terminal operators;
- Improved handling of dangerous cargoes and waste materials; and
- Reduced safety, 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.



For more information, please contact

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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

