

## 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 against which to measure the performance of their operations with regard to quality, safety and health, and the protection of the environment.

The PSHEM Code is based on the "Framework for Sustainable Development of Coastal Areas Thru ICM Implementation" and the key elements of recognized international standards, namely ISO 9001 (Quality Management), ISO 14001 (Environmental Management), and OHSAS 18001 (Occupational Health and Safety).

### Benefits of the PSHEM Code

- Building a culture that promotes safety, health and environmental protection
- Reduction in accidents
- Improved community relations
- Reduction in operating costs
- Reduction in insurance premiums
- Recognition as a safe and efficient port

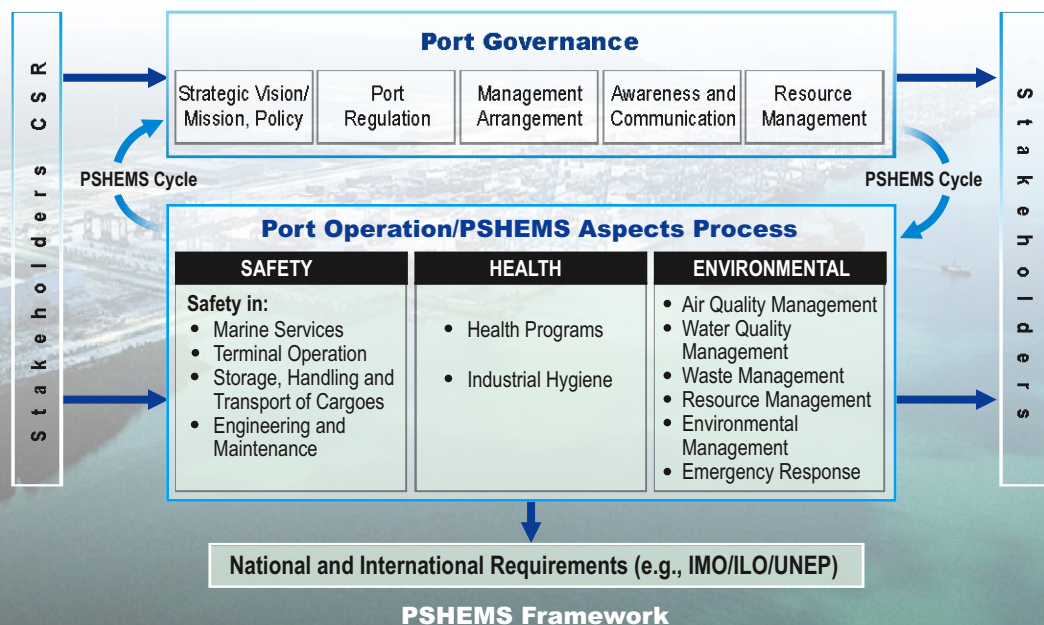
## Port Safety, Health and Environmental Management System (PSHEMS)

PSHEMS implementation calls for:

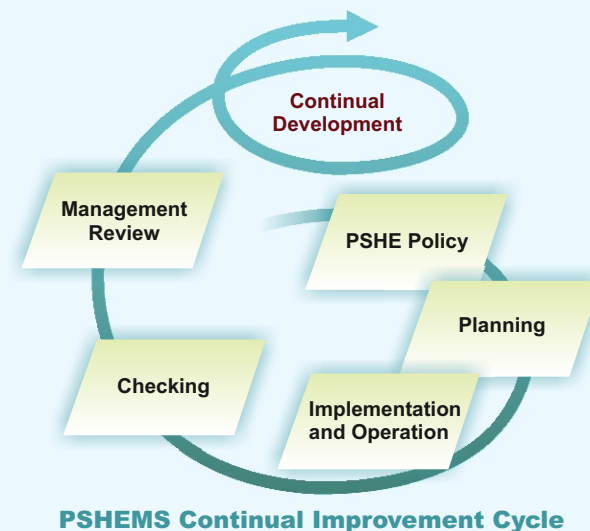
- a safety, health and environmental protection policy;
- safety, health and environmental procedures and practices in port operation and a safe working environment;
- safeguards against all identified risks;
- continuously improves safety, health and environmental management skills of personnel, including emergency preparedness;
- prevents operational pollution of the port's environment.

PSHEMS ensures compliance with mandatory national rules, regulations and standards, as well as any applicable international conventions, codes, guidelines, recommendations and standards.

To achieve the objectives of the PSHEM Code, a port authority or operator should establish, implement and maintain a PSHEMS following the PSHEMS framework and the "continual improvement cycle".



## PSHEMS Development, Implementation and 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.



## 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 in a tri-level approach to encourage the Port Authority and/or Operator to strive for excellence through continuous improvement.

The recognition process goes beyond the typical certification trend using the concept of "compliance" to international standards, since the assessment criteria involve the evaluation of the degree of performance/impact achieved through the implementation of the PSHEMS.

### Three levels of recognition:

- Level 1 Recognition for Compliance of PSHEMS:** Integrated management system for PSHEMS developed and implemented, compliant with the requirements of the PSHEM Code and consistent with the requirements of ISO 14001, OHSAS 18001 and ISO 9001.
- Level 2 Recognition for Proficiency in PSHEMS:** Significant progress in building sound processes achieved and superior results demonstrated.
- Level 3 Recognition for Performance Excellence in PSHEMS:** High level of Excellence in PSHEMS performance achieved.

## The PSHEMS Initiative

### What it offers:

- Training on the set-up and implementation of PSHEMS;
- Technical support to developing the PSHEMS;
- Training of internal auditors in port safety auditing;
- Technical support to conduct a port assessment audit;
- Conduct of a performance audit for PSHEMS recognition;
- An integrated management system covering safety, health, environment and emergency response in the port; and
- A core of skilled port staff with the capacity to implement the PSHEMS program.



*For more information, please contact*

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

