Strengthening Environmental Management at Central American Ports

June, 06th 2018
Advice, promotes, facilitates, manage resources and capacity building on maritime stakeholders, mainly Maritime and Port Authorities and Port Operators.

Board of Directors - Vice Ministers of Transport of CA.

Central America Integration System.

1980.
THE NINTH ORDINARY MEETING
OF THE RAC/REMPEITC-CARIBE STEERING COMMITTEE
Strengthening Environmental Management at Central American Ports
Objectives

✓ Strengthen port environmental management.

✓ Capacity building and training in strategies for prevention, preparation and response.

✓ Mainly in maritime and port activities representing high risk of pollution.

✓ Strengthening the institutions for effective compliance and implementation of environmental legislation, with a focus on port environmental units.

✓ Promote port reception facilities that meets the needs of ships calling at the ports.
Purposes

✔ Identify the levels of implementation of controls for environmental management and port reception facilities, PRF.

✔ Reduce marine pollution through the development establishment of Port Environmental Units and adequate PRF.

Purposes

✓ Generate actions to minimize obstacles for using PRF.

✓ Develop capacity in PRF.

✓ Create a statistical regional database of PRF according to IMO guidelines.
In general, the Project seeks:

Strengthen the institutions for effective compliance, enforcement and implementation of MARPOL Convention, environmental legislation and the Green Code Port of Conduct for Central America with a focus on port environmental management units and the establishment of proper and adequate PRF.
MAIN DIRECT IMPACT OF THE PROJECT

✓ International Environmental Conventions.

✓ Environmental awareness.

✓ Help the decision making process.

✓ Attract new business opportunities and job opportunities for professionals.

✓ Port-city relationship.

✓ “Green Port” Condition.
Environmental Indicators

AUTHORITIES

A. Sistema de Gestión Ambiental Certificado
B. Cuenta con Planes o Programas Ambientales
C. Existencia de una Política Ambiental
D. Conocimiento, aplicación y divulgación del Código de Conducta Ambiental para la Gestión Portuaria en Centroamérica de COCATRAM (Libro Verde)
E. Implementación estandarizada y monitoreada del Libro Verde, así como creación de Sistema Regional de Información Ambiental Portuaria
F. Existencia de un inventario de dificultades para implementar la legislación ambiental
G. Existencia de un inventario de aspectos ambientales significativos
H. Definición de objetivos y metas de mejora ambiental
I. Existencia de un programa de capacitación ambiental para empleados portuarios
J. Existencia de un programa de monitoreo ambiental
K. Responsabilidades medioambientales documentadas del personal clave
L. Informe ambiental disponible al público
M. Utilización racional de energía y uso de sistemas de energías verdes
N. Facilidades de Recepción de Desechos de Buques (FRD)
O. Planificación Portuaria y Desarrollo
P. Planes de Contingencia

PORT OPERATORS

A. Sistema de Gestión Ambiental Certificado
B. Cuenta Regulaciones Ambientales
C. Existencia de Estrategias Ambientales para el Sector Marítimo y Portuario
D. Conocimiento, aplicación y divulgación del Código de Conducta Ambiental para la Gestión Portuaria en Centroamérica de COCATRAM (Libro Verde)
E. Implementación estandarizada y monitoreada del Libro Verde, así como creación de Sistema Regional de Información Ambiental Portuaria
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L. Informe ambiental disponible al público
M. Utilización racional de energía y uso de sistemas de energías verdes
N. Facilidades de Recepción de Desechos de Buques (FRD)
O. Planificación Portuaria y Desarrollo
P. Administración del Plan Nacional de Contingencia (Oficial)
Formula for Calculation of the Environmental Management Index

The index is calculated for Authorities and Ports as well by multiplying the weights associated with each Management Indicator to the percentage of positive responses as described in the formula below:

\[
\text{Index} = A \times 1.50 + B \times 1.25 + C \times 1.25 + D \times 0.25 + E \times 0.25 + F \times 1 + G \times 1 + H \times 0.75 + I \times 1.25 + J \times 1.50 + K \times 1 + L \times 1 + M \times 1.25 + N \times 1.25 + O \times 1 + P \times 1
\]
TOTAL
14 Government institutions
57 Port operators

Stakeholders

Dominican Republic
03 Authorities
13 Port operators

Panamá
02 Authorities
21 Port operators

Nicaragua
01 Authorities
05 Port operators

Honduras
02 Authorities
05 Port operators

Guatemala
02 Authorities
05 Port operators

El Salvador
01 Authorities
03 Port operators

Costa Rica
03 Authorities
05 Ports

TOTAL
14 Government institutions
57 Port operators
Port Environmental Management Performance (% of ports inspected)

- Good Environmental Management (40%)
- Normalized ISO 14000 (10%)
- No Normalized (45%)
- Bad Environmental Management (5%)
- No Environmental Management (5%)
PORT ENVIRONMENTAL MANAGEMENT INDICATORS
IGAP

Guatemala

República Dominicana

Panamá

Costa Rica

El Salvador

Honduras

Nicaragua

9.2418
4.8459
8.1702
8.3862
8.5755
7.7188
5.0698
AUTHORITY ENVIRONMENTAL MANAGEMENT INDICATORS, IGAA
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## PORT MANAGEMENT ENVIRONMENTAL INDEX

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WEAKNESS

- Inexistence of effective role of a national Port Authority – Guatemala, Honduras.

- State own port operators self awarding role as Port Authority – Costa Rica.

- Lack of environmental management certification.

- Inexistence of environmental monitoring in the region.

- Deficiencies at generation and implementation of environmental guidelines and regulations for maritime and port sector.
WEAKNESS

- Low levels of training in port and maritime environmental aspects.

- Conflict between port and customs – imposing of imports tariffs.

- Poor Port Reception Facilities.

- Inexistence of real Environmental Policy, instead they are more like declaration of principles.

- Lack of publication of port environmental management reports.

- Inter institutional coordination.
Regional Assessment and Diagnosis of Port Environmental Management, per country

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http://www.cocatram.org.ni/fogap/diagnostics.html
STAKEHOLDERS PORT RECEPTION FACILITIES ASSESSMENT WILL BE FOCUS ON:

a) Waste management strategy;
b) Operational Needs;
c) Planning for reception of waste;
d) Type and capacity of port reception facilities;
e) Implementation and Compliance;
f) Role of Flag State;
g) Role of Port State Control;
i) Rates; and
j) Training.
Action: Proposal for consideration

1. Inter institutional integration mainly with Ministries of Environment and Customs for proper MARPOL implementation.

2. Marine environmental monitoring
THANKS

www.cocatram.org.ni