



Homeland Security Challenges for Shipyard Environmental Health & Safety Managers

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of

Environmental Resources Management (ERM)

CNN live report



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Presentation

- ◆ Introduction
- ◆ Maritime Transportation Security Act of 2002
- ◆ Security Philosophy
- ◆ Maritime Domain Awareness
- ◆ HAZCOM Program
- ◆ Consequence Management



Presentation (cont.)

- ◆ Emergency Preplanning & Response
- ◆ Training
- ◆ Drills and Exercises



Current Security Regulations:

In response to the Marine Transportation Security Act of 2002:

- ◆ The United States Coast Guard developed Title 33 Code of Federal Regulations (CFR) 101-106 to improve port and waterways security.
- ◆ 33 CFR 105 mandates the development of Facility Security Plans for facilities that handle, store, and transfer hazardous materials via barges/vessels over water.

Relevant Laws (continued)

- ◆ 33 CFR 104 mandates the development of vessel security plans.
- ◆ 33 CFR 106 regulates outer continental shelf facilities and production platforms.





Relevant Laws (continued)

- ◆ The Department of Transportation amended 49 CFR 172 and added Subpart I, which mandates the development of a Facility Security Plan for non marine transportation-related facilities that handle, store, transfer and transport regulated hazardous materials via truck, rail and air.



Challenging Requirements in US Coast Guard Security Regulations

1. Security Vulnerability Assessment
2. Security Plan
3. Facility Security Officer with specialized training.
4. Security Training
 - ◆ Security Forces
 - ◆ All other company personnel



Challenging Requirements in US Coast Guard Security Regulations

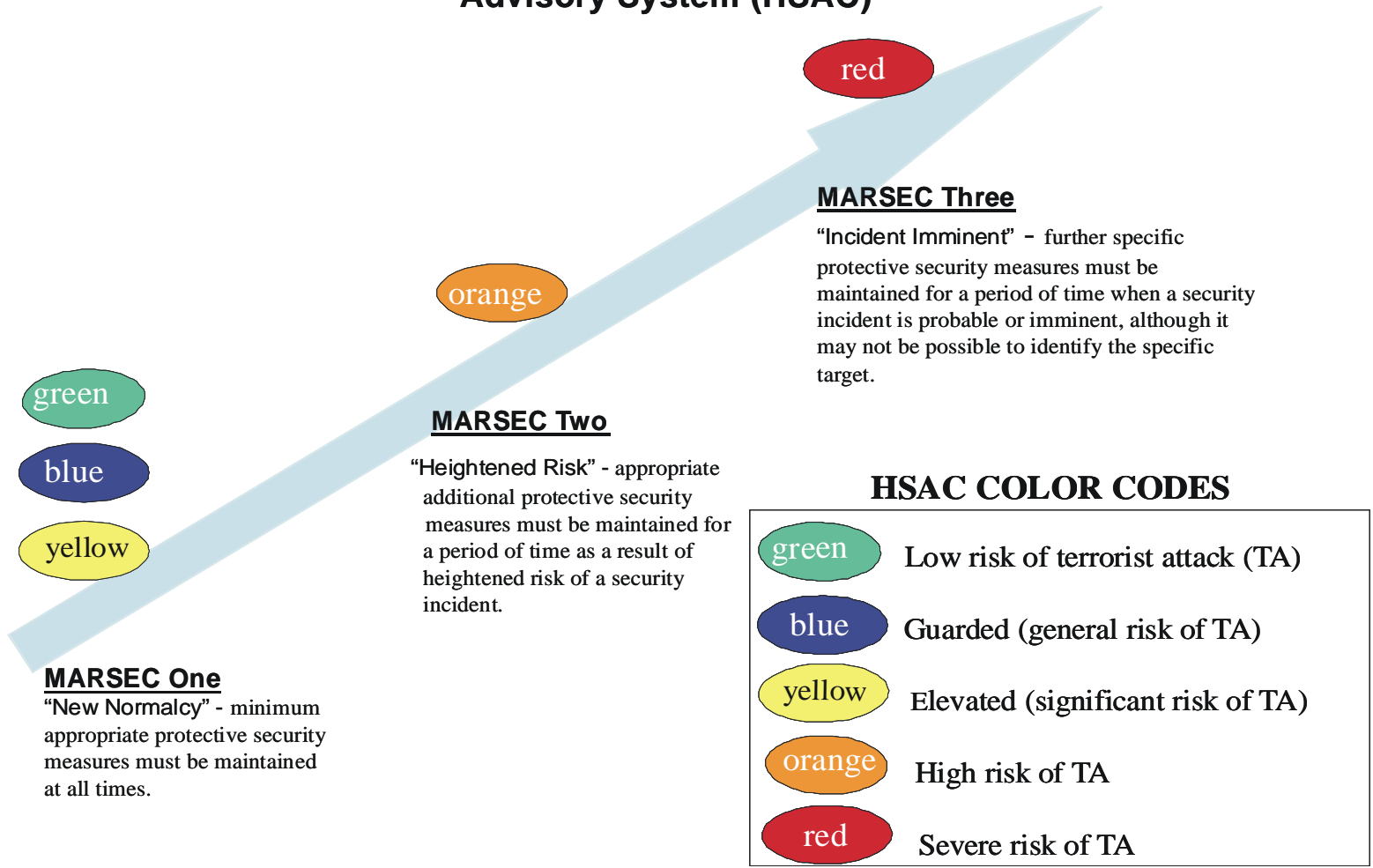
(continued)

5. Security Recordkeeping
6. Sensitive Security Information (SSI)
7. Security Drills, Exercises, and Audits



Maritime Security Levels

Comparison of 3-level CG (MARSEC) system with the 5-level Homeland Security Advisory System (HSAC)





33 CFR 105.110 (c):

“ An owner or operator of any general shipyard facility...is exempt from the requirements of this part unless the facility:

- (1) Is subject to parts 126, 127, or 154 of this chapter; or*
- (2) Provides any other service to vessels subject to part 104...not related to repair, construction, rehabilitation, refurbishment, or rebuilding. ”*

Security Philosophy

- ◆ Awareness
- ◆ Prevention
- ◆ Response
- ◆ Consequence Management





Maritime Domain Awareness



What is Maritime Domain Awareness?

- ◆ Chemical/Hazmat
- ◆ Geographical
- ◆ Environment
- ◆ Political
- ◆ Strategic
- ◆ Economic





Hazard Communications (HAZCOM)

- ◆ Health Hazards/Risks
- ◆ Material Safety Data Sheets
- ◆ Shipping papers and controls
- ◆ Inventory Control

*Security Emergency
Preparation*





Emergency Preparedness and Response

- ◆ Contingency Plans Incidents
- ◆ Identify Procedures for Personnel to Respond to:
 - Terrorist Phone Threat
 - Fire/Explosion
 - Hazmat Release
 - Oil/Fuel Spill
 - Hostage
 - Civil Disturbance/Riot/Labor Unrest
 - Hurricane
 - Heavy Weather or Other Natural Disaster

Emergency Preparedness and Response

- ◆ Update Notification and Response Assistance Phone or Radio Lists
- ◆ Response Resources Availability Lists
- ◆ Get involved with port and local authorities for security networking. Port Security Committee, LEPC, Area Committee, and Industry Committee
- ◆ Resource references for Biological or Chemical incidents. (Chemtrec; Janes etc)





Training

- ◆ New employee training
- ◆ Initial HAZMAT Training
- ◆ Suspicious Activity
- ◆ Security Awareness Training
- ◆ Drills and Exercises

*Training With
Drills and Exercises*





Drills and Exercises

Drills-conducted quarterly; some unannounced.

Exercises-conducted annually

➤ May be:

- ◆ Full scale or live
- ◆ Tabletop simulation or seminar
- ◆ Combined with other appropriate exercises.
- ◆ A combination of the three elements above.

➤ May include:

- ◆ Government Agencies
- ◆ Vessels Moored at Facility
- ◆ Other Facilities



*What Defines
Suspicious Activity
and
Suspicious People?*



Questions





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