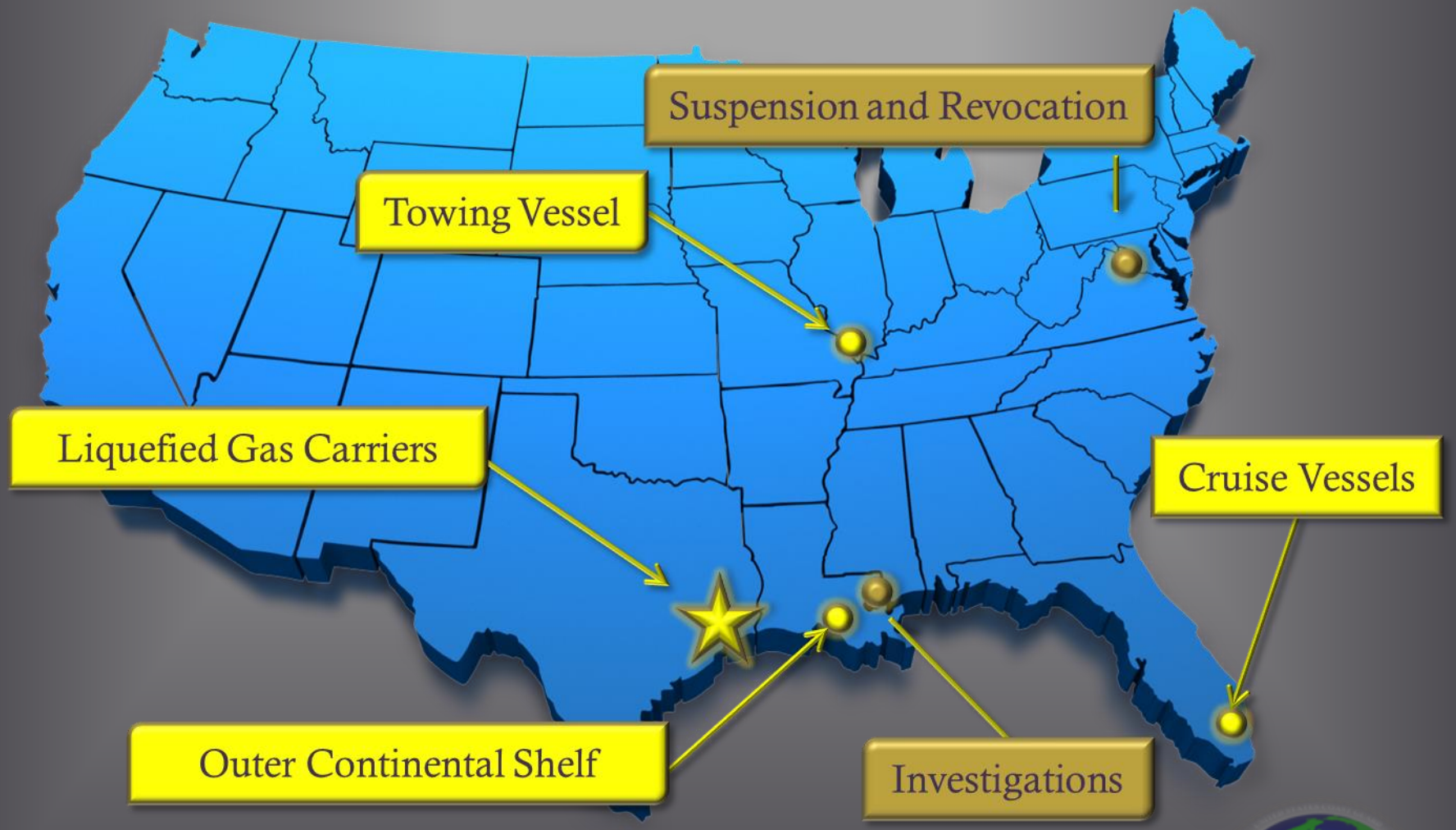
Liquefied Gas Carrier NCOE

NEDC Ports & Goods Movement Work Group
LNG Bunkering
27 September 2014
CDR Jason Smith & Mr. Scott LaBurn

Objectives

- NCOE Overview
- Current Regulations
  - Domestic
  - International
- Policy

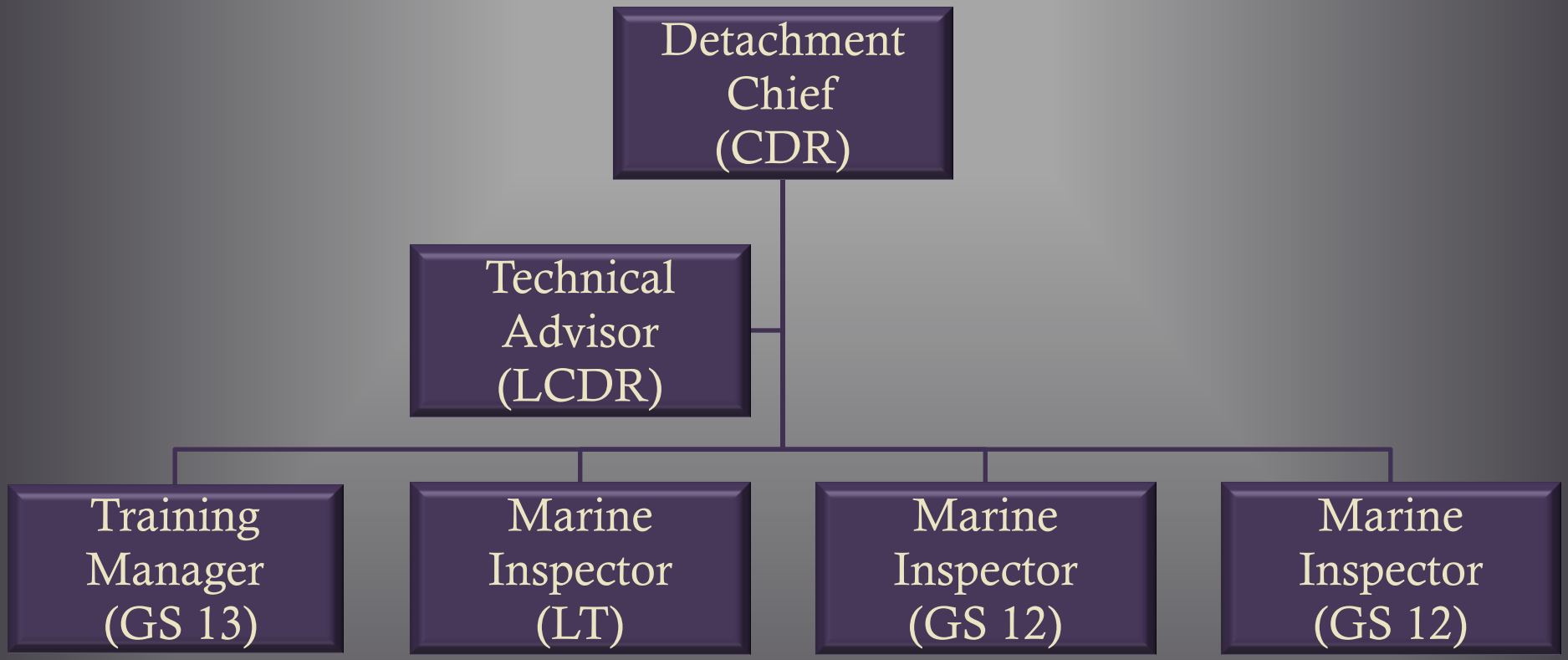
NCOE Overview



NCOE Overview

- Provides consultation & technical advice to both the Marine Industry and the Coast Guard on matters concerning Liquefied Gas Carriers.
- Assist with foreign gas vessel examinations as a specialized force multiplier.
- Training opportunities: Coordinate LNG Ship Rider Program, Gas Carrier Inspector Course, on-the-job training & exportable training.

NCOE Overview



NCOE Overview

- WEBSITE:
  - www.uscg.mil/lgcncoe
- STAFF
  - CDR Jason Smith – Detachment Chief
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  - Mr. Scott LaBurn – Senior Marine Inspector, Gas Fuel SME
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  - VACANT – Senior Marine Inspector, Gas Carrier SME

NCOE Overview

Transportation

Treatment
- Condensate Removal
- Dehydration
- CO_2 Removal
- Mercury & H_2S Removal

Liquefaction

Storage

Transportation

Use

Current Regulations

DOMESTIC

- 33 CFR 127 - Qualification of Personnel Conducting Transfer
- 46 CFR 154 - Vessel Design, Construction, Equipment, Tests & Operations
- 33 CFR 156 – Oil & Hazardous Materials Transfer Operations
- 46 CFR 38 - Liquefied Flammable Gases

Current Regulations/Guidance

INTERNATIONAL

- IMO Resolution MSC.285 (86): Interim Guidelines on Safety for Natural Gas Fueled Engine Installation in Ships (IGF)
- Ship to Ship Transfer Guide (SIGTTO/OCIMF)
- International Gas Carrier Code

Policy

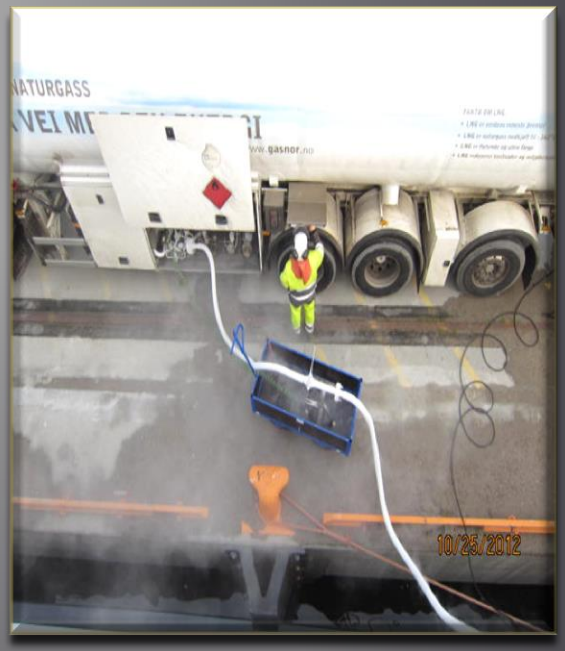
- ***CG-521 (ENG) Policy Letter***

  01-12 (Equivalency Determination-Design Criteria for Natural Gas Fuel Systems)

- ***CG-OES Policy Letters***

  01-14 (Guidelines for LNG Fuel Transfer Operations and Training of Personnel on Vessels Using Natural Gas as Fuel)

  02-14 (Guidance Related to Vessels and Waterfront Facilities Conducting LNG Marine Fuel Transfer Operations)

Policy

- CG-OES Policy Letter 01-14 /02-14
  - Transfer Operations Manual
  - Emergency Manual
  - Training
  - Drills
  - Transfer Procedures
  - LNG Transfer Hoses/Connections
  - Shut Downs