

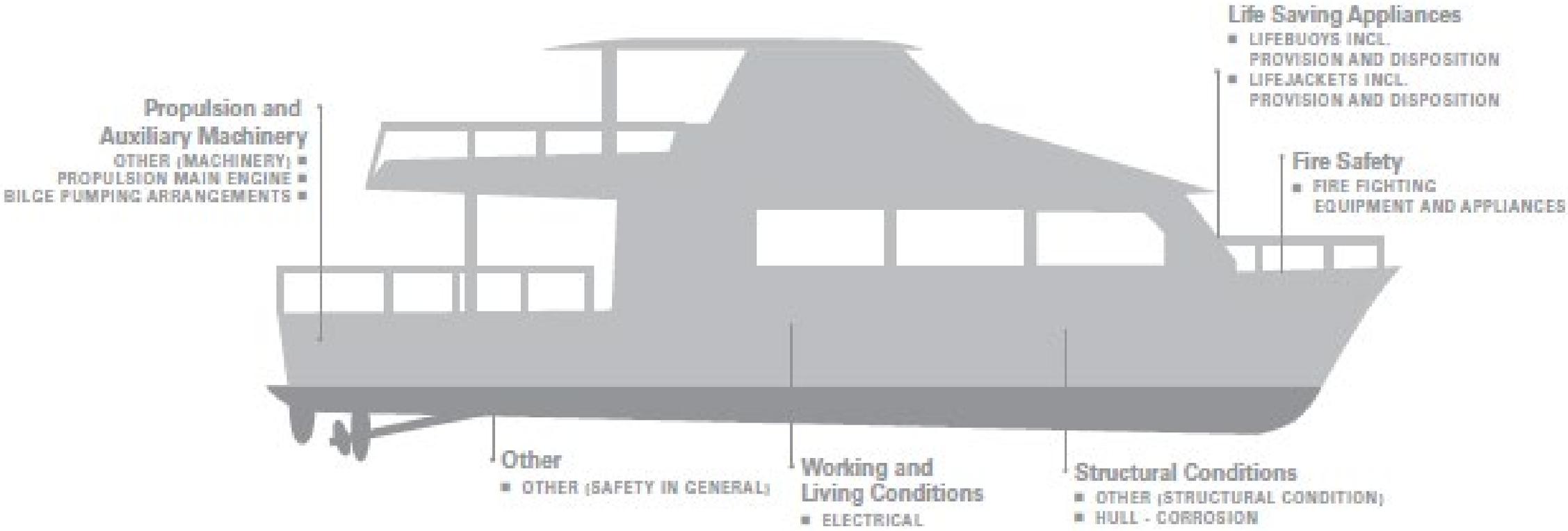
Evolutions in Marine Safety Culture & Management

Keegan Plaskon | April 26th, 2023



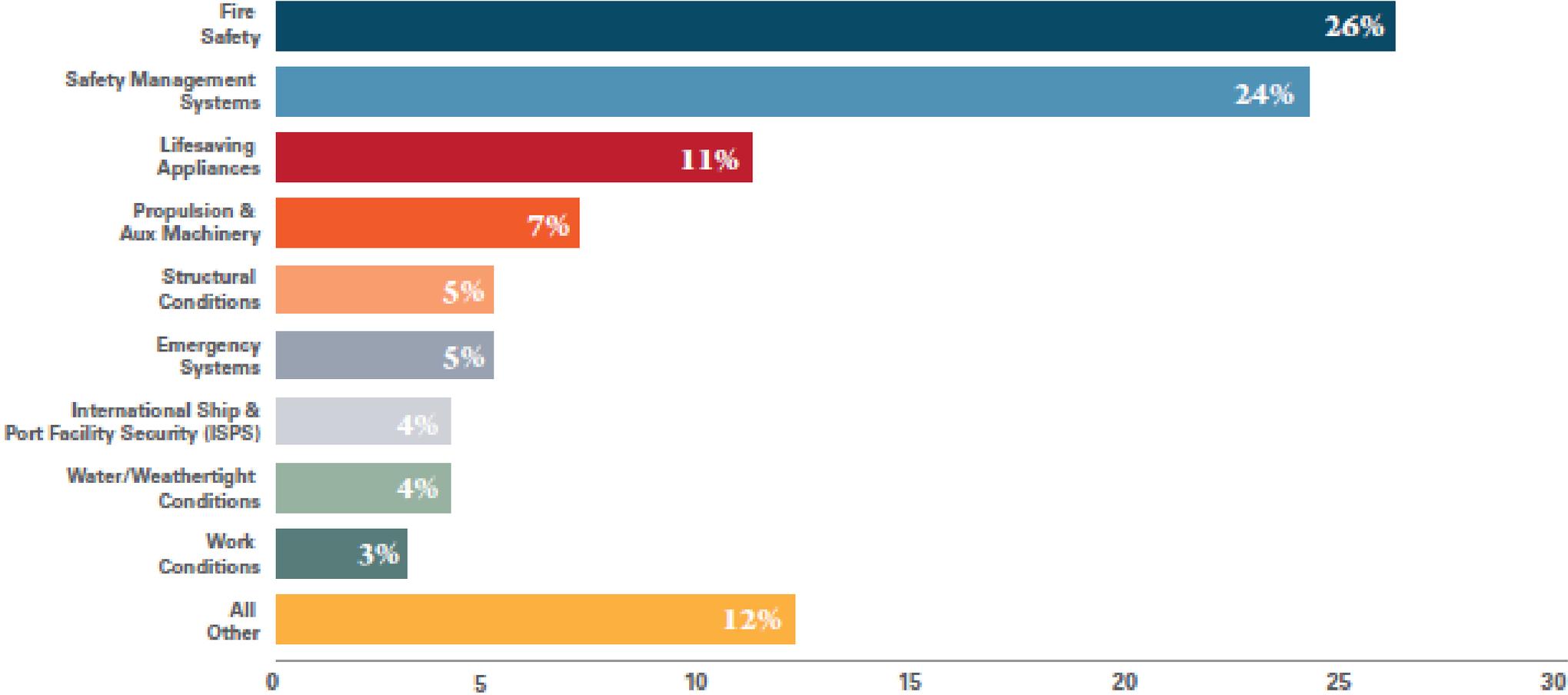
USCG Domestic Vessels Inspections 2021

FIGURE 31 | Top 10 Most Prevalent Deficiencies



USCG PSC Detention data 2021

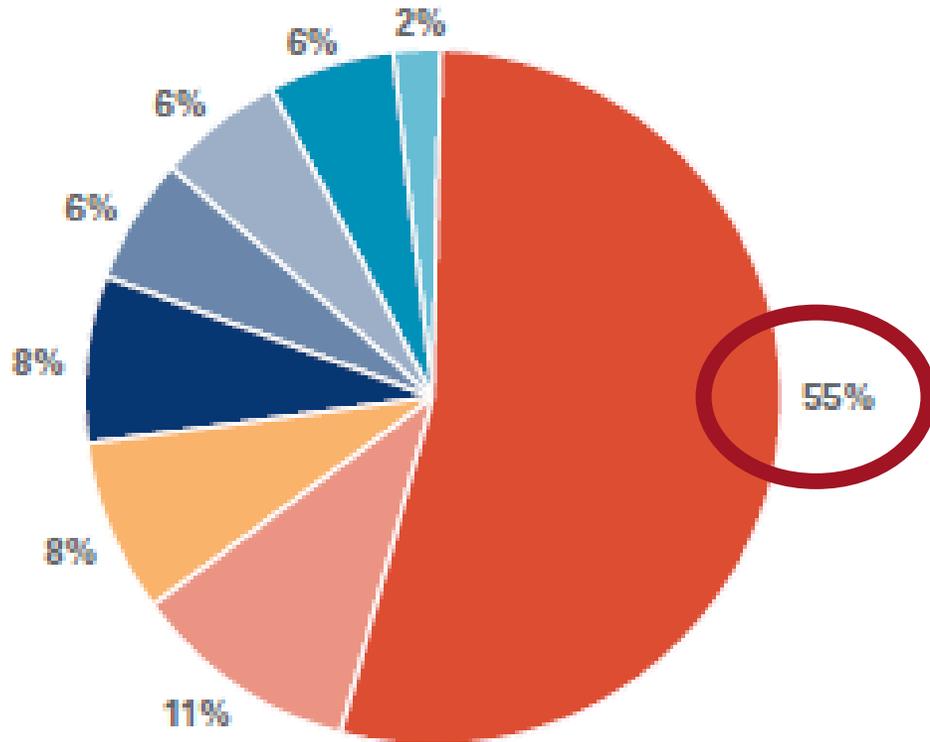
Detentions by Deficiency Type



USCG PSC Detention Data 2021

Safety Management Systems (53 Deficiencies)

- Maintenance of Ship & Equipment ←
- Safety & Environmental Policy
- Shipboard Operations
- Other ISM Related Deficiencies
- Company Responsibility & Authority
- Reports of Non-Conformities
- Resources & Personnel
- Company verification (Review & Evaluation)



Vessel Maintenance as Leading Safety System indicator

There is strong correlation between effective Preventative Maintenance programs and a robust and a mature Safety System.

Common Principals for Success:

- Commitment from Leadership
- Policies and Procedures
- Established Schedules
- Data Collection and Analysis
- Accountability

Nearly 30% of all PSC ISM-related deficiencies globally relate to **inadequate maintenance**.

A vast majority of **detainable** PSC ISM deficiencies relate to maintenance of ship and equipment.

3.3 USCG Detentions for Fourth Quarter 2022

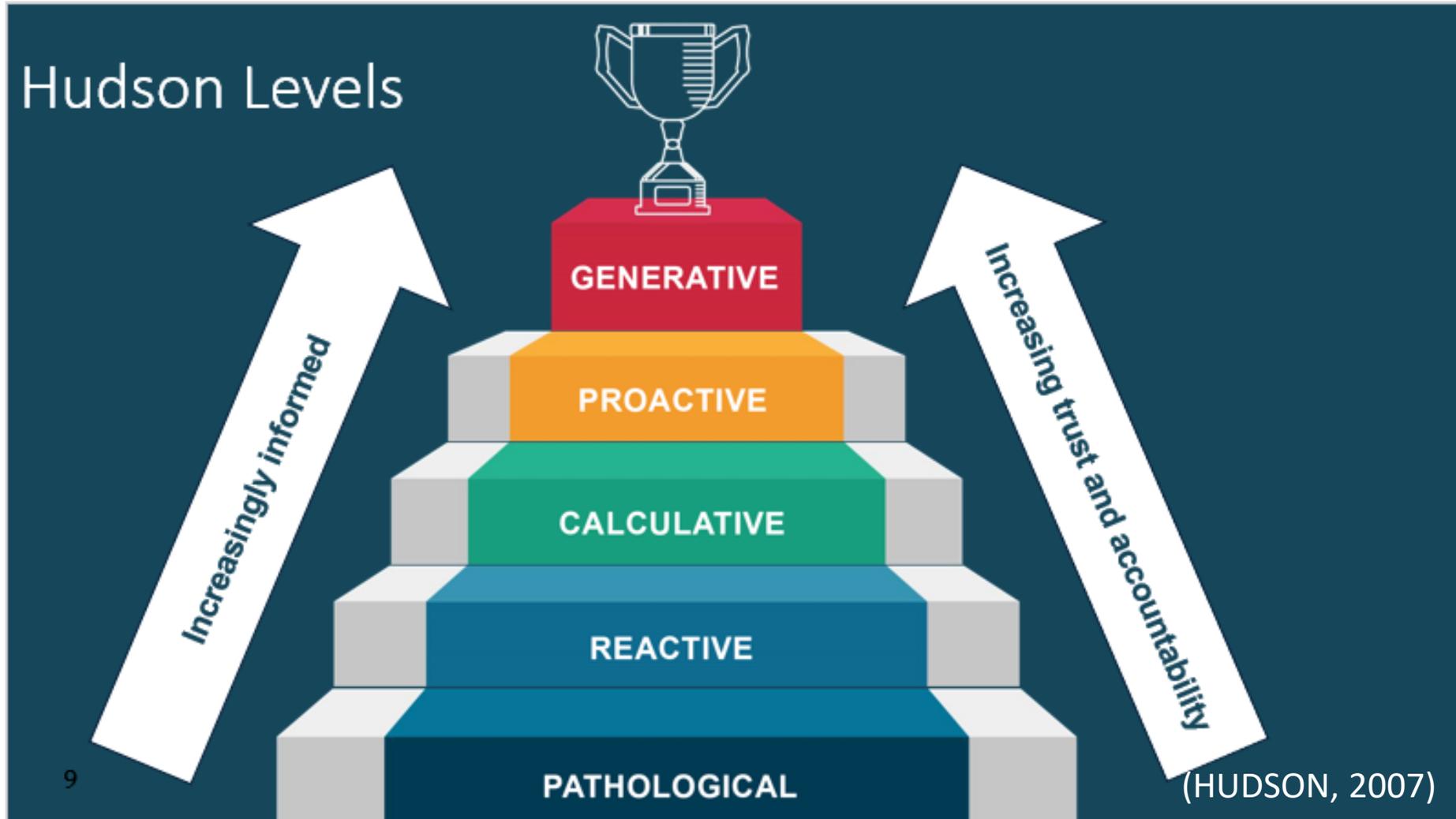
The USCG had 17 detentions for the period Oct. 1, 2022, to Dec. 31, 2022. Only one detention was on an ABS classed vessel during this period.

The information may be accessed by visiting www.dco.uscg.mil.

Fourth Quarter 2022 Top Deficiency Categories for USCG Detentions on Worldwide Vessel Fleet

Deficiency Code	Category
15109	Maintenance of the ship and equipment
07126	Oil accumulation in engine room
14104	Oil filtering equipment
07106	Fire detection and alarm system
14699	Other (MARPOL Annex VI)
04114	Emergency source of power – Emergency generator
07199	Other (fire safety)
07113	Fire pumps and its pipes
07126	Oil accumulation in engine room

State of Safety Culture



“It’s often said that a **safety culture** is built from the ground up, but a truly world-class safety culture must start at the top.

If you define **safety culture** as the collective values, beliefs, attitudes, and norms that shape individual behaviors in an organization, establishing this **safety culture** must begin with senior management.

Leaders have to commit to continuously improving safety, fostering the success of a safety program, and empowering everyone within the organization to be part of a solution. “

– **Christopher J. Wiernicki**
ABS Chairman, President, and CEO
(*TradeWinds*, July 2019)

Safety Culture



Building the Culture

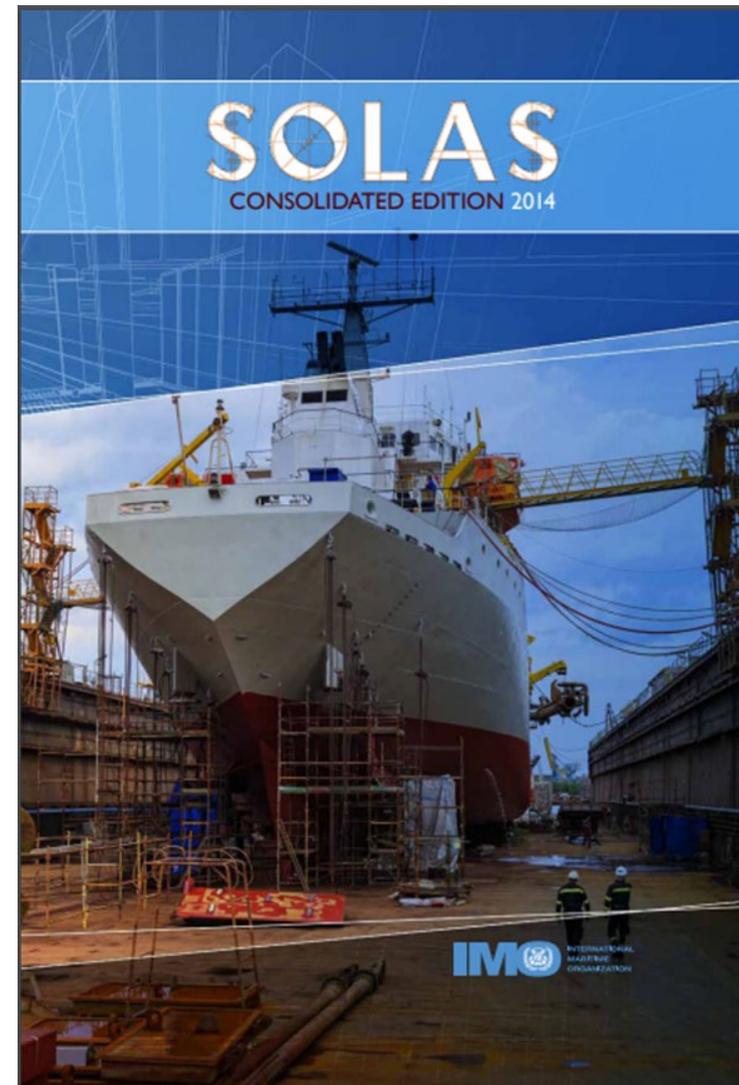
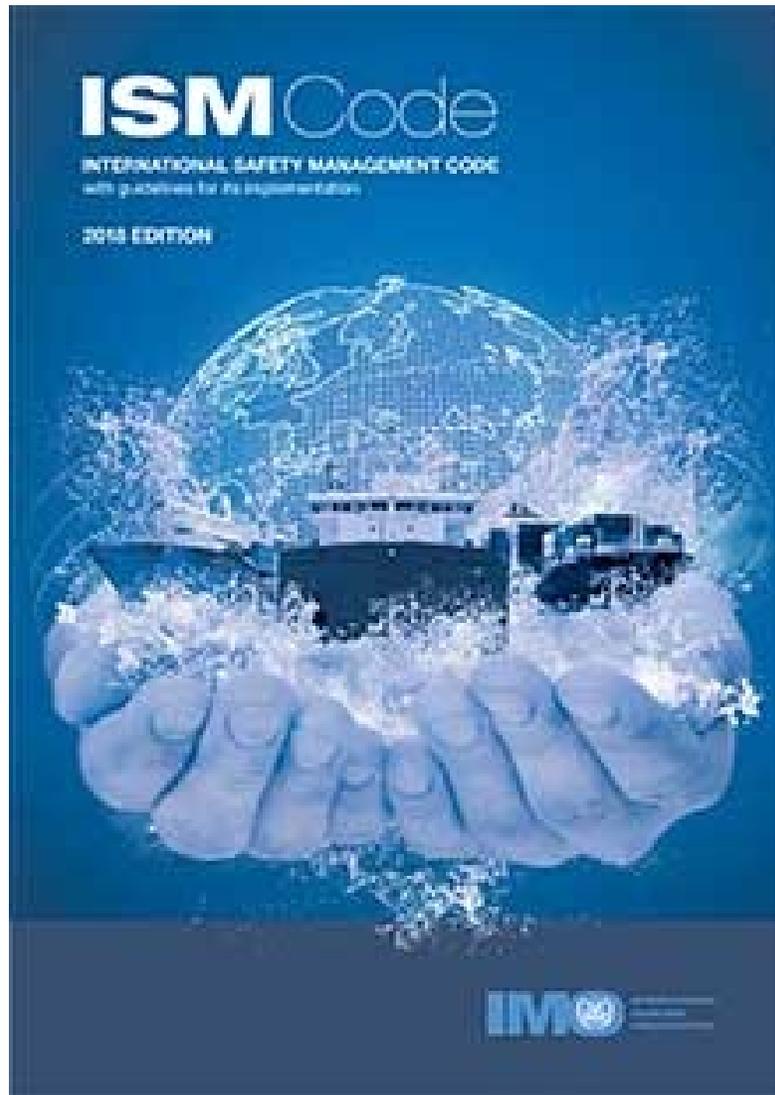


Deploy a Safety System

Formalize the System

Continuous Improvement

International Safety Management Code



Alternative Safety Management Frameworks

ISO 45001: Occupational Health and Safety certification

AWO's Responsible Carrier Program and TSMS

Passenger Vessel Association - Flagship Program

ABS's Guide for Marine Management Systems (2020)

Takeaways and Key Concepts

- Safety Culture is a **mindset**
- Establishing an SMS creates **structure**
- Formalizing an SMS drives **accountability**
- Continual Improvement fosters **maturity**
- Vessel safety is correlated to effective vessel **maintenance**
- USCG is evaluating SMS deployment for US Passenger Vessel sector

Thank You

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