

Regulations

NFPA Marine Fire Protection Codes & Standards –An Overview

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ASME/USCG Workshop
Arlington, VA - July 24 –25, 2013

NFPA –Maritime Background

NFPA established in 1896
Committee on Marine Fire Hazards established in 1920
Standards developmentControl of gas hazards (1922)
Fire protection of motor craft developed in 1930
Fire protection of marinas and boat yards developed in 1940

Adoption of NFPA Codes and Standards

U. S. state and local laws –building codes and fire codes
Federal Agency regulations
Department of Homeland Security - USCG
Department of Transportation –PHMSA
Department of Labor/OSHA
Nuclear Regulatory Commission

International

NFPA Marine Field Service Program

Blends industry outreach with the consensus standards development
Marine specific technical committees and standards commercial and pleasure/recreational
Expansion in the 1990's with suppression system designs for marine-specific application
Marine Field Service Advisory Committee
Marine Chemist Certification
Maritime industry outreach
Marine Chemist Certification Program
Certificated professional
Recognized by industry and government as confined space entry and work expert

Regulations

Practices in accordance with industry standard -NFPA 306

Formally recognized by USCG and OSHA in regulations

Oversight by industry -MCQB

Marine Fire Protection Codes and Standards

NFPA 301, *Code for the Safety to Life from Fire on Merchant Vessels*

NFPA 306, *Control of Gas Hazards on Vessels*

NFPA 307, *Marine Terminals, Piers, and Wharves*

NFPA 312, *Shipbuilding, Repair and Lay-up*

NFPA 1405, *Guide for Land-Based Fire Fighters Who Respond to Marine Vessel Fires*

NFPA 1925, *Marine Fire Fighting Vessels*

NFPA 301, *Code for the Safety to Life from Fire on Merchant Vessels*

Application. This code applies to:

New construction merchant vessels

Towing vessels 12 meters or more in length

Vessels that carry cargo

Vessels that carry more than twelve passengers

Exception: Pleasure craft and war ships

2013 edition

Marine Codes and Standards Overview

NFPA 302, *Fire Protection Standard for Pleasure and Commercial Motor Craft*

Scope -Applies to boats less than 300 gross tons; 12 passengers or less

Includes fuel system, auxiliary cooking and heating (LPG and CNG), electrical, and fire protection

NFPA Maritime Applications for LNG and CNG Technology

NFPA 52, *Vehicular Gaseous Fuel Systems Code (2010 edition)*

Applies to the design, installation, operation, and maintenance of CNG and LNG engine fuel systems, for fueling vehicle (dispensing) systems, and associated storage

Applies to LNG storage in ASME containers of 70,000 gal (265 m) or less

Includes marine, highway, rail, off-road, and industrial vehicles