

Marine Safety Newsletter

US Coast Guard Marine Safety and Environmental Protection Directorate

Violence and Safety an Issue at Sea

The U.S. Coast Guard's boarding parties have been faced with a significant increase in the number of violent resistance incidents while performing migrant interdiction operations.

In the past two years, Coast Guard boarding parties have used force more than 20 times to control riots or other disturbances, Coast Guard officials said. Last year the Coast Guard used force 13 times to stop migrant ships, and in 1998 force was used 11 times. Before 1998, disturbances aboard migrant ships were rare.



The Coast Guard recovers several migrants who jump off a vessel interdicted off the coast of Guatemala in Dec 99.

Captain Anthony Tangeman, chief of law enforcement for the Coast Guard, said that boarding parties have been physically assaulted with fists, knives, pieces of wood, and pieces of metal. The Coast Guard has even documented migrants mutilating themselves in an effort to be flown to hospitals in the United States, where they believed that they will be allowed to stay.

Last month the Coast Guard Cutter MUNRO encountered the WING FUNG LUNG, a dilapidated vessel teetering with more than 240 Chinese migrants 200 miles (320 kms), west of Guatemala. As Coast Guard personnel boarded the WING FUNG LUNG to make repairs, smugglers began to set fires

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on board the ship. One migrant even attempted to wrestle a gun from a Coast Guard officer, firing one shot into a bulkhead before being restrained. However, no one was injured, officials said.

The Coast Guard's top officer, Admiral James M. Loy, said that additional resources are required to protect against the increasing violence and the threat to boarding parties' safety.

Life Raft Citations

Coast Guard inspectors have found serious safety hazards in life rafts that were inspected by two Rhode Island companies, the Jim Givens Survival Co. in Newport and Givens Ocean Survival Systems Co. in Portsmouth.

The Coast Guard says that this is not the typical safety alert that the public is used to, where only one in a large number of items is found defective. In fact, deficiencies were found in all 19 life rafts examined by the Coast Guard.

Among the 19 deficient life rafts: three were taken out of service, including two that were condemned; 16 had missing equipment; 17 contained items that were expired at the time of the last servicing; and five carbon dioxide (CO₂) cylinders had problems. Two cylinders required to inflate the rafts have not been tested in the past seven years. One raft had dry rot and tears in the fabric that had been glued back together while another raft weighed half of its required weight, according to the Coast Guard.



Items missing from the rafts included sea anchors, radar reflectors, flares, medical supplies, flashlights, food, water, drinking cups, can openers, whistles, bailers, jackknives, repair kits, heaving lines, instructions and hand pump parts.

Items that were expired included EPIRB batteries, flares, medical supplies, food and water. On one raft, all but three of the 72 required water bags were missing, broken, or expired.

According to the Coast Guard, many other items, such as oars, interior and exterior lighting and hand-held pumps were inoperative and in need of repair or replacement.

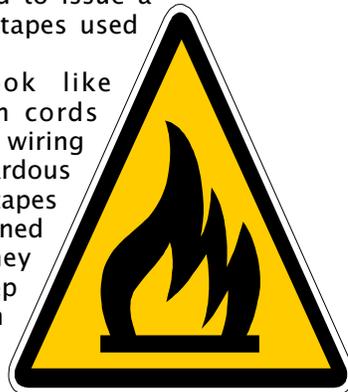
It is estimated that more than 200 rafts may have been serviced by the two Givens companies in question.

The Coast Guard urges all recreational and commercial mariners who received service from either of the two companies to check their life raft service records and have the vessels reserviced as soon as possible.

A Safety Alert on Heat Tapes

Heat tapes are the cause of approximately 2,000 fires, 10 deaths and 100 injuries every year, according to the Consumer Product Safety Commission (CPSC). These results have prompted the U.S. Coast Guard to issue a warning about heat tapes used on boats.

Heat tapes look like electrical extension cords but, unlike all other wiring that can become hazardous if it gets hot, these tapes are specifically designed to produce heat. They are mainly used to keep water pipes from freezing, but they also prevent ice dams at gutters, downspouts, and roof edges. Heat tapes are useful in many other situations, including exposed fuel-supply lines on mobile homes and refrigeration piping on commercial fishing boats.



The following guidelines incorporate the CPSC suggestions as well as those of manufacturers and fire inspectors, as to how to install and maintain heat tapes correctly. They encourage a cautious use of the product that may include more limitations than some manufacturers' instructions indicate.

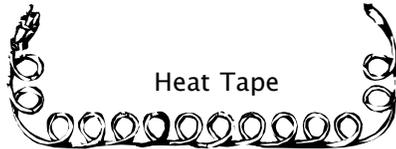
Proper Installation and Maintenance of Heat Tapes

- All new heat tapes have a three-prong plug. Always plug them into three-prong outlets to ensure proper grounding.
- Be sure the outlet is protected by a ground-fault circuit interrupter (GFCI).
- Never wrap heat tape over itself unless specifically permitted in the manufacturer's instructions.
- Apply heat tape directly on the pipe to be protected; never on top of the insulation covering the pipe.
- Keep the end cap sealed and off the ground to prevent water from getting inside.
- Do not cover the heat tape with insulation unless advised by the manufacturer. Then use only non-flammable insulation such as fiberglass. Do not use foam or vinyl insulation that could catch fire from failing



heat tapes.

- Never use heat tapes designed for water pipes on gutters, driveways or fuel lines.
- If the heat tape has a thermostat, check the instructions to see whether the thermostat would be placed against the pipe and covered with insulation or left hanging and uncovered.
- Inspect heat tapes annually, replacing them if they show signs of deterioration. Look for discolored surfaces (especially at the plug), charring, cuts, breaks in the insulation or bare wires.
- Replace any heat tape that has been exposed to elements for 3 years, even if it doesn't show any signs of wear.



Coast Guard Co-Sponsoring the HAZMAT 2000 Spills Prevention Conference

The Coast Guard will serve as one of the 15 sponsors for the 2000 HAZMAT Spills Prevention Conference. The conference will be held April 4-6, 2000 in St. Louis, Missouri.



This event promises to be both exciting and informative. It will be an opportunity to:

- hear the latest updates pertaining to the HAZMAT/HAZSUB Response Plan Development;
- learn about Operational Risk Assessment (decision-making which is key in ensuring that responders, the community, and the environment are safeguarded against the hazards of a hazardous substance response);
- envision the On-Scene Command and Control Prototype (system utilized for any multi-agency, Incident Command System-based response to natural or man-made disasters); and
- observe presentations / demonstrations on the Drum Retention System (safe and effective methods of recovering drums containing hazardous chemicals and wastes) and The Chemical Hazard Response Information System (Consists of manuals, a hazard assessment computer system, and technical support personnel located at Coast Guard Headquarters. It's designed to provide information that can be used by the Coast Guard in its efforts to achieve better safety procedures and so prevent accidents).

For more information and to register, visit the official conference website at www.nrt.org/nrt/hazmat2000/hazmat2000.nsf/homepage or call (734) 665-4370. To reserve exhibit space, contact Kristina Schuchman, St. Louis Metropolitan Manufacturers Associations, at (314) 966-1006 or e-mail: Hazmat2000exinfo@yahoo.com.

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or*

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requesting to be deleted from the mailing list. You will then be added to an e-mail list to notify you when the latest issue of the newsletter is posted to the webpage.

The current and past issues of the newsletter can be viewed at www.uscg.mil/hq/g-m/nmc/pubs/newsltr/index.htm



Towing Safety Advisory Spring 2000 Meeting

The Towing Safety Advisory Committee (TSAC) and its working groups will meet in March to discuss various issues relating to shallow-draft inland and coastal waterway navigation and towing safety. All meetings will be open to the public.

The agenda tentatively includes the following: Reports of the Working Groups on Voyage Planning, Electronic Charting, Tug Assistance and Remote Anchor Release, Communications, and Casualty Analysis as well as updates on Cargo Securing Practices, the Interim Rule on Licensing and Manning for Officers of Towing Vessels, Current Initiatives regarding crew alertness, the Automated Information System (AIS), and the International Maritime Information Safety System (IMISS).

New business may include discussion on:

- a) two task statements: Cargo Securing and Barge Structural Failure
- (b) unique features of the harbor

TSAC will meet on Thursday, March 16, 2000 from 8 a.m. to 12:30 p.m. The working groups will meet on Wednesday, March 15, 2000, from 9 a.m. to 3:30 p.m. These meetings may close early if all business is finished.

Written material and requests to make oral presentations should reach the Coast Guard on or before March 7, 2000, and should be sent to Mr. Miente at: Commandant (G-MSO-1), Room 1210, U.S. Coast Guard Headquarters, 2100 Second Street SW., Washington, DC 20593-0001. Requests to have a copy of your material distributed to each member of the committee or working groups should reach the Coast Guard on or before March 3, 2000.

TSAC will meet in room 2415, U.S. Coast Guard Headquarters, 2100 Second Street SW., Washington, DC. The working groups will begin meeting in the same room and may move to separate spaces designated at that time.

For more information, contact Mr. Gerald P. Miente, Assistant Executive Director, TSAC, at Tel.: (202) 267-0229, Fax: (202) 267-4570, or e-mail: gmiante@comdt.uscg.mil.

WWW.



What's New on the World Wide Web

<http://www.uscg.mil/hq/g-m/gmhome.htm>

New Marine Safety Center Plan Review Guidance Documents
www.uscg.mil/hq/msc/PRGuidance.htm

The CHRIS Manual on-line
www.CHRISManual.com

The Official Logbook – the Coast Guard seeks constructive comments on proposed revision to the Official Logbook (CG-706B). Submit comments to NMC
www.uscg.mil/hq/g-m/marpers/pers.htm

Coast Guard approved schools
www.uscg.mil/hq/g-m/marpers/examques/achome.htm

G-MOR Office of Response – The Office of Response coordinates and integrates field planning, preparedness and response operations for pollution incidents, natural disasters, marine accidents, terrorism, and other threats to public safety, the marine environment, or marine transportation/commerce.
www.uscg.mil/hq/g-m/mor/default.html

Commercial Fishing Industry Vessel Advisory Committee – October 1999 – CFVS Fish Expo 1999 Powerpoint Presentation
www.uscg.mil/hq/g-m/advisory/cfivac/fishexpo99.pdf



Amendments to International Convention on Maritime Search and Rescue

A revised Annex to the International Convention on Maritime Search and Rescue (SAR Convention) entered into force on 1 January 2000. The revised SAR Convention clarifies the responsibilities of Governments and puts greater emphasis on the regional approach and coordination between maritime and aeronautical SAR operations.

The original SAR Convention was adopted at a conference in Hamburg in 1979, under the auspices of the International Maritime Organization (IMO), the United Nations agency concerned with the safety of shipping and the prevention of marine pollution.

The Convention, which entered into force in 1985, was aimed at developing an international SAR plan, so that, no matter where an accident occurs, the rescue of persons in distress at sea will be co-ordinated by a SAR organization and, when necessary, by cooperation between neighboring SAR organizations.

Although the obligation of ships to go to the assistance of vessels in distress was enshrined both in tradition and in international treaties (such as the International Convention for the Safety of Life at Sea, 1974 – SOLAS), there was, until the adoption of the SAR Convention, no international system covering search and rescue operations. In some areas there was a well-established organization that was able to provide assistance promptly and efficiently, but in other areas there was nothing at all.

The 1979 SAR Convention imposed considerable obligations on Parties—such as setting up the shore installations required—and as a result the Convention was not being ratified by as many countries as some other treaties. By the end of 1997, for example, the SAR Convention had been ratified by only 56 countries, whose combined merchant fleets represented less than 50% of world tonnage. Equally important, many of the world's coastal States had not accepted the Convention and the obligations it imposed.

It was generally agreed that the small number of acceptances and the slow pace of implementation were due to problems with the SAR

Convention itself and that these problems could best be overcome by amending the Convention. At a meeting in October 1995 in Hamburg, Germany, it was agreed that there were a number of substantial concerns that needed to be taken into account, including: lessons learned from SAR operations; experiences of States which had implemented the Convention; questions and concerns posed especially by developing States which were not yet Parties to the Convention; need to further harmonize the IMO and International Civil Aviation Organization (ICAO) SAR provisions; and inconsistent use of the Convention terminology and phraseology.

It is hoped that the revised Convention which entered into force on 1 January 2000 will prove to be more acceptable to those countries which have not ratified the Convention. To date, the SAR Convention has been ratified by 64 countries, representing 47.05 percent of world shipping tonnage.

The revised SAR Convention

The technical requirements of the SAR Convention are contained in an Annex, the revised version of which includes five chapters.

Chapter 1 – Terms and Definitions

This chapter updates the original chapter 1 of the same name.

Chapter 2 – Organization and Coordination

The chapter describes how SAR services should be arranged and national capabilities be developed. Parties are required to establish rescue coordination centers and to operate them on a 24-hour basis with trained staff who have a working knowledge of English. Parties are also required to “ensure the closest practicable co-ordination between maritime and aeronautical services.”

Chapter 3 – Co-operation between States

Requires Parties to coordinate search and rescue organizations, and, where necessary, search and rescue operations with those of neighbouring States.

Chapter 4 – Operating Procedures

The chapter says that each RCC (Rescue Coordination Center) and RSC (Rescue Sub-Center) should have up-to-date information on search and rescue facilities and communications in the area and should have detailed plans for conduct of search and rescue operations. Parties should be

The International Maritime Organization Corner better informs the maritime community about the vital work conducted through this international organization. The IMO Corner will present highlights of recently completed meetings, a calendar of IMO meetings, as well as a listing of supporting U.S. SOLAS Working Group meetings.



capable of receiving distress alerts on a 24-hour basis. The regulations include procedures to be followed during an emergency and state that search and rescue activities should be coordinated on scene for the most effective results.

Chapter 5 – Ship reporting systems

Includes recommendations on establishing ship reporting systems for search and rescue purposes, noting that existing ship reporting systems could provide adequate information for search and rescue purposes in a given area.

IMO search and rescue areas

Following the adoption of the 1979 SAR Convention, IMO's Maritime Safety Committee divided the world's oceans into 3 search and rescue areas, in each of which the countries concerned have delimited search and rescue regions for which they are responsible.

Provisional search and rescue plans for all of these areas were completed when plans for the Indian Ocean were finalized at a conference held in Fremantle, Western Australia in September 1998.

IAMSAR Manual

Concurrently with the revision of the SAR Convention, IMO and the International Civil Aviation Organization (ICAO) jointly developed the International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual, published in three volumes covering Organization and Management; Mission Coordination; and Mobile Facilities.

The IAMSAR Manual revises and replaces the IMO Merchant Ship Search and Rescue Manual (MERSAR), first published in 1971, and the IMO Search and Rescue Manual (IMOSAR), first published in 1978.

The MERSAR Manual was the first step towards developing the 1979 SAR Convention and it provided guidance for those who, during emergencies at sea, may require assistance from others or who may be able to provide assistance themselves. In particular, it was designed to aid the master of any vessel who might be called upon

to conduct SAR operations at sea for persons in distress. The manual was updated several times with the latest amendments being adopted in 1992 – they entered into force in 1993.

The second manual, the IMOSAR Manual, was adopted in 1978. It was designed to help Governments implement the SAR Convention and provided guidelines rather than requirements for a common maritime search and rescue policy, encouraging all coastal States to develop their organizations on similar lines and enabling adjacent States to co-operate and provide mutual assistance. It was also updated in 1992, with the amendments entering into force in 1993.

This manual was aligned as closely as possible with the ICAO Search and Rescue Manual to ensure a common policy and to facilitate consultation of the two manuals for administrative or operational reasons. MERSAR was also aligned, where appropriate, with IMOSAR.

The GMDSS

The SAR Convention is complemented by the Global Maritime Distress and Safety System (GMDSS)—an integrated communications system using satellite and terrestrial radiocommunications to ensure that no matter where a ship is in distress, aid can be dispatched.

Under the GMDSS, all passenger ships and all cargo ships over 300 gross tonnage on international voyages have to carry specified satellite and radiocommunications equipment, for sending and receiving distress alerts and maritime safety information, and for general communications. The regulations governing the GMDSS are contained in the International Convention for the Safety of Life at Sea (SOLAS), 1974, which has been ratified by 138 countries, covering 98.36 percent of the world merchant shipping fleet by tonnage.

The GMDSS requirements are contained in the SOLAS Chapter IV on Radiocommunications and were adopted in 1988. The requirements entered into force on 1 February 1992 but provided for a phase-in period until 1 February 1999.

UPCOMING IMO MEETINGS

February 21-25	Sub-Committee on Fire Protection—44 th session
March 6-15	Marine Environment Protection Committee—44 th session
March 6-15	Diplomatic Conference on International Co-operation on Preparedness and Response to Pollution Incidents by Hazardous and Noxious Substances
March 27-31	Legal Committee—81 st session
April 10-14	Sub-Committee on Ship Design and Equipment—43 rd session
May 17-26	Maritime Safety Committee—72 nd session

Maritime Operations: The Human Element 2000

Though a focus on the human element is widely supported by the marine industry, many people are still wondering how this focus can be used in their day-to-day operations. Marine Log's fifth annual conference on the human element aims to address these questions through specifically selected topics.

Presented by Marine Log in cooperation with the US Coast Guard, *Maritime Operations: The Human Element*, will take place at the Washington Marriott Hotel in Washington, DC April 25-26. During this year's conference, representatives from a variety of maritime sectors will be speaking on issues of the human element as it affects them. Topics will focus on three major areas: risk, fatigue, and the future shortage of qualified mariners.

Risk

Risk is a confusing issue—though risk can be assessed and controlled, it can be difficult to understand how such a process occurs. Questions that are asked: How do I create a safe situation for myself and my co-workers? How do I actually assess risk? How do I mitigate it? These questions have prompted groups (both within the Coast Guard and industry) to intensify their research efforts on risk-based decision-making and publish guidance materials to help answer these questions. Speakers on this topic will address some of the available tools used to assess and manage risk, and also include people who have successfully used risk guidance materials in various maritime operations.

Fatigue

Fatigue is a part of everyone's daily life, regardless of what part of the maritime industry one might work. In today's fast-paced, extremely

competitive economy, it seems that many people are being forced to work longer and harder at the expense of quality sleep. This has been a common situation in many sectors of the marine industry, so much that it seems to have actually become part of the mariners' culture. However, recent studies show how much fatigue can affect the mariners' performance and judgment. Speakers on this topic will present information highlighting the extreme dangers of fatigue and offer ways to reduce it.

Shortage of Qualified Mariners

A shortage of qualified mariners is the third topic for the conference, but one that has recently received a great deal of attention. As the average age of mariners rises and fewer people are entering or staying in the maritime field, the concern of a broad-based shortage in the near future has become a sharp reality and recruitment and retention have become priorities for many companies. Attracting people to the maritime field and keeping them content (professionally and personally), while still being qualified for the job, is a problem that needs to be addressed. A panel of representatives from different maritime sectors will discuss how this issue is affecting them and what strategies should be used to help solve this dilemma.

These three issues will be addressed by a variety of Coast Guard and industry speakers. Through individual presentations and panel discussions, representatives from all facets of the maritime industry will provide interesting, applicable information on solving the issues at hand. Speakers and their specific topics are still being confirmed and updates will be posted in future editions of the Marine Safety Newsletter on this PTP page and on www.marinelog.com.

For questions and/or reservations, contact the Marine Log Conference Division at Tel.: (212) 620-7208, Fax: (212) 633-1165, or e-mail: conferences@sbpub.com.

PRINCIPLES

- Take a Quality Approach
- Honor the Mariner
- Seek Non-Regulatory Solutions
- Share Commitment
- Manage Risk

VISION

To achieve the world's safest, most environmentally sound and cost-effective marine operations by emphasizing the role of people in preventing casualties and pollution.

GOALS

- Know More
- Train More
- Do More
- Offer More
- Cooperate More

Contact us directly with your PTP story:

Commandant (G-MSE-1), U.S. Coast Guard Headquarters, 2100 Second Street, SW, Washington, DC 20593-0001; (202) 267-2997; (202) 267-4816 FAX; e-mail: fldr-he@comdt.uscg.mil

G-M Studies



The following is a list of G-M studies and reports under development, including their status and contact person. The *Marine Safety Newsletter* will update this listing as new information is received. Small business interests needing assistance in understanding the information may telephone the contacts identified for the study or report.

Research in Tanker Groundings

This non-mandated study is being conducted by the Coast Guard to study the structural behavior of tankers during groundings.

STATUS: Research is being conducted at MIT. The first phase of the study is complete, and the second phase is underway. Availability of the study report will be announced through the *Marine Safety Newsletter*.

CONTACT: Mr. Jaideep Sirkar, Tel.: (202) 267-6925, Fax: (202) 267-4816, e-mail: jsirkar@comdt.uscg.mil

Shipboard Fatigue Countermeasures Analysis

This project is designed to tie the previous fatigue projects together. Project deliverables include lists of fatigue reducing countermeasures prioritized by effectiveness to ease implementation.

Status: This project will start in 2000, and will conclude at the end of 2001.

Contact: Dr. Carlos Comperatore, Tel.: (860) 441-2751, Fax: (860) 441-2792, e-mail: ccomperatore@rdc.uscg.mil

Watchkeeping Alertness in Towing Operations

Conducted by Battelle Seattle Research Center under contract to R&DC. Objectives for this include understanding factors which affect alertness in towing vessel crews. The research team has collected data on line boats and harbor tugs in the lower Mississippi and Ohio Rivers. Companies have participated in the study by offering their crews as test subjects on a voluntary basis. Voluntary participation has been outstanding, approaching 100 percent of solicited crewmembers.

STATUS: The analysis of data is nearly complete. The next phase of the project, development and testing of fatigue countermeasures, should be completed near the end of 2001.

CONTACT: Dr. Carlos Comperatore, Tel.: (860) 441-2751, Fax: (860) 441-2792, e-mail: ccomperatore@rdc.uscg.mil

Improving Crew Alertness on Commercial Vessels

This project will identify the incidence of fatigue in deep draft vessel crews and develop crew endurance plans to mitigate fatigue. Data has been collected from the crew of a tank vessel, and will be used to develop fatigue countermeasures. The deliverable for this project will be a Professional Mariner's Crew Endurance Handbook.

STATUS: Data has been collected, and analysis is in progress. The project is planned to conclude in early 2000 following development and testing of fatigue countermeasures.

CONTACT: Dr. Carlos Comperatore, Tel.: (860) 441-2751, Fax: (860) 441-2792, e-mail: ccomperatore@rdc.uscg.mil



G-M Regulatory Projects

The following is a list of select G-M regulatory projects including their status and point of contact information. For more information on these and other marine safety rulemaking projects, visit the G-M Regulations home page at www.uscg.mil/hq/g-m/regg/reghome.html.

If you are a small business interest needing assistance in understanding and complying with the regulatory requirements, please telephone the applicable contact listed below. The Small Business and Agriculture Regulatory Enforcement Ombudsman and ten Regional Fairness Boards were established to receive comments from small businesses about federal agency enforcement actions. The Ombudsman will annually evaluate the enforcement activities and rate each agency's responsiveness to small business. If you wish to comment on the enforcement actions of the Coast Guard, call (888) REG-FAIR (734-3247).

ANPRM-Advance Notice of Proposed Rulemaking • **NPRM**-Notice of Proposed Rulemaking • **IR**-Interim Rule • **DFR**-Direct Final Rule

CGD 89-050
Vessel Identification System

This rulemaking establishes a Vessel Identification System (VIS) and will prescribe the manner and form for participating States to make information available for VIS; establish guidelines for State vessel titling systems; and establish procedures for certifying compliance with those guidelines. On October 22, 1999, the Coast Guard published a final rule removing the current version of subpart D indefinitely (64 FR 56965).

STATUS: IFR published on April 25, 1995 (60 FR 20310). SNPRM being drafted.

CONTACT: ENS Christopher Williamee, Tel.: (202) 267-6989

USCG 1997-3198
Alternate Convention Tonnage

The Coast Guard is considering developing alternate tonnage thresholds for certain vessels based on the measurement system established under the International Convention on Tonnage Measurement of Ships, 1969. Existing tonnage thresholds in domestic laws and regulations are based on the U.S. regulatory measurement system. Establishing the international convention tonnage as an option for applying domestic regulations may result in the building of safer, more efficient vessels and may enable designers and operators of U.S. vessels to be more competitive in the international market. The Coast Guard asks for comments on related issues and questions.

STATUS: Notice and request for comments published on February 4, 1998 (63 FR 5767). Comment period closed October 15, 1998. Preparing proposed rule.

CONTACT: Mr. Peter Eareckson, Tel.: (202) 366-6502, Fax: (202) 366-7991, e-mail: peareckson@msc.uscg.mil

USCG 1998-3423
Implementation of the National Invasive Species Act of 1996 (NISA)

To comply with the National Invasive Species Act of 1996 (NISA), the Coast Guard establishes both regulations and voluntary guidelines to control the invasion of aquatic nuisance species (ANS). Ballast water from ships is one of the largest pathways for the intercontinental introduction and spread of ANS. This rule amends existing regulations for the Great Lakes ecosystem, establishes voluntary ballast water management guidelines for all other waters of the United States, and establishes mandatory reporting for nearly all vessels entering waters of the U. S.

STATUS: Interim rule with request for comments published on May 17, 1999 (64 FR 26672). Effective date is July 1, 1999. Comment period closed on July 16, 1999.

CONTACT: LT Pat McKeown, Tel.: (202) 267-0500, Fax: (202) 267-4690, e-mail: mmckeown@comdt.uscg.mil

USCG 1998-3472
Rules of Practice, Procedure, and Evidence for Administrative Proceedings of the Coast Guard

The Coast Guard is revising the rules for Practice, Procedure, and Evidence for Administrative Proceedings. The revision consolidates all Coast Guard adjudicative procedures for the suspension and revocation (S&R) of merchant Mariners' licenses, certificates of registry, and documents and for class II civil penalties. The rule will eliminate unnecessary procedures from S&R proceedings and will use Coast Guard's adjudicative resources more efficiently.

STATUS: Interim rule and request for comments published on May 24, 1999 (64 FR 28054). Notice to reopen the comment period published on October 5, 1999 (64 FR 53970). Comment period closes on April 3, 2000.

CONTACT: George J. Jordan, Tel.: (202) 267-0006, Fax: (202) 267-4753, e-mail: gjordan@comdt.uscg.mil

G-M Regulatory Projects



USCG 1998-3786 Commercial Diving Operations

The Coast Guard requested comments on the type and scope of needed revisions to the commercial diving operations regulations. The regulations are over 20 years old and do not include current safety and technology standards and industry practices. At this early stage of the rulemaking process we need information on current safety practices, diving technology, and industry standards to help us identify the scope of any necessary regulatory revisions.

STATUS: ANPRM published on June 26, 1998 (63 FR 34840). Comment period closed on November 9, 1998.

CONTACT: LT Diane Kalina, Tel.: (202) 267-1181, Fax: (202) 267-4570, e-mail: dkalina@comdt.uscg.mil

USCG 1998-3798 Numbering of Undocumented Barges

The Coast Guard is establishing a statutorily required numbering system for operating undocumented barges over 100 gross tons. The numbering of these barges would increase owner accountability and deter their abandonment, making fewer barges available for disposal of hazardous substances.

STATUS: ANPRM published on July 6, 1998 (63 FR 36384). Comment period closed on November 3, 1998.

CONTACT: Mr. Thomas Willis, Director, National Vessel Documentation Center, Tel.: (304) 271-2506, Fax: (304) 271-2405, e-mail: twillis@nvdc.uscg.mil

USCG 1998-3868 Outer Continental Shelf Activities

The Coast Guard proposes a major revision of its regulations on Outer Continental Shelf (OCS) Activities. A revision is needed to address new developments in the offshore industry, to fully address existing legislation, to effectively implement interagency agreements, to respond to comments received from the advanced notice of proposed rulemaking, and to address casualty investigation findings. The revised regulation will effectively implement existing legislation and interagency agreements. This rulemaking improves the level of safety in the workplace for personnel engaged in OCS activities.

STATUS: NPRM published on December 7, 1999 (64 FR 68416). Comment period closes on April 5, 2000.

CONTACT: Mr. James M. Magill, Tel.: (202) 267-1082, Fax: (202) 267-4570, e-mail: jmagill@comdt.uscg.mil

USCG 1998-4302 Handling of Class I (Explosive) Material or Other Dangerous Cargoes within or Contiguous to Waterfront Facilities

This rulemaking will revise the regulations covering waterfront facilities handling dangerous cargoes. Current regulations would be updated to reflect improved safety procedures and modern transportation methods, such as the use of containers. This proposed rule would also update the requirements for the handling of these dangerous cargoes and incorporate industry standards.

STATUS: NPRM published on October 29, 1998 (63 FR 57964). Comment period closed March 1, 1999. Final Rule being drafted.

CONTACT: LT Charles Srioudom, Tel.: (202) 493-1000, e-mail: csrioudom@comdt.uscg.mil

USCG 1998-4354 Tank Vessel Response Plans for Hazardous Substances

The Coast Guard proposes regulations that would require response plans for certain tank vessels operating on the navigable waters of the United States that could reasonably be expected to cause substantial or significant and substantial harm to the environment by discharging a hazardous substance. These regulations are mandated by the Oil Pollution Act of 1990 (OPA 90), which requires the President to issue regulations requiring the preparation of hazardous substance response plans. The primary purpose of requiring response plans is to minimize the impact of a discharge of hazardous substances into the navigable waters of the United States.

STATUS: NPRM published March 22, 1999 (64 FR 13734). Comment period closed on Aug. 30, 1999. Public meeting held Aug. 12 and 13 in Houston (64 FR 31994).

CONTACT: LT Michael Roldan, Tel.: (202) 267-0106, Fax: (202) 267-4570, e-mail: mroldan@comdt.uscg.mil



G-M Regulatory Projects

**USCG 1998-4399
Automatic
Identification
System Carriage
Requirement;
Vessel Traffic
Service Lower
Mississippi River**

The Coast Guard held a public meeting in New Orleans to solicit comments on the establishment of a new Vessel Traffic Service (VTS) in the Lower Mississippi River area and a potential Automatic Identification System (AIS) carriage requirement for certain vessels operating in the new VTS area. We are currently reviewing public input to help develop a proposed rule.

STATUS: NPRM being drafted.

CONTACT: Mr. Jorge Arroyo, Tel.: (202) 267-0407, Fax: (202) 267-4826, e-mail: jarroyo@comdt.uscg.mil

**USCG 1998-4441
Deepwater Ports**

The Coast Guard is revising its deepwater ports regulations to update the regulations with current technology and industry standards. It will also align them with certain regulations for other offshore facilities.

Status: ANPRM published on August 29, 1997 (62 FR 45774). Comment period closed on October 14, 1997. NPRM being drafted.

Contact: LT Diane Kalina, Tel.: (202) 267-1181, Fax: (202) 267-4570, e-mail: dkalina@comdt.uscg.mil

**USCG 1998-4443
Emergency
Control Measures
for Tank Barges**

This interim rule implements measures for maintaining or regaining control of a tank barge that will reduce the likelihood of a tank barge's grounding and spilling its cargo. These measures are necessary because without them a tug that loses its tow lacks ready means for regaining control of it.

STATUS: Interim rule (IR) with request for comment published on December 30, 1998 (63 FR 71754). The IR is effective March 30, 1999 except for 33 CFR 155.230(b)(1) and 46 CFR 32.15-15(e), which are effective on December 11, 2000. Notice of meeting; reopening of comment period published on April 15, 1999 (64 FR 18576). Public meeting held in Washington, DC on May 12, 1999. Comment period closed on June 10, 1999. Final rule in clearance.

CONTACT: Mr. Robert Spears, Tel.: (202) 267-1099, Fax: (202) 267-4547, e-mail: rspears@comdt.uscg.mil; or Mr. Allen Penn, Tel.: (202) 267-2997, Fax: (202) 267-4816, e-mail: apenn@comdt.uscg.mil

**USCG 1998-4445
Fire Protection
Measures for
Towing Vessels**

With this Interim Rule, the Coast Guard plans to implement measures for the early detection and control of fires on towing vessels. It will require the lower cost, noncontroversial fire protection measures introduced in the Notice of Proposed Rulemaking entitled, Towing Vessel Safety (62 FR 52057), that was published on October 6, 1997. They include: general alarms; engine-room fire detection systems; internal communication systems; and remote fuel-shutoff valves. Furthermore, fire-fighting drills will need to be conducted and training requirements established for crews on towing vessels. These measures should decrease the number and severity of injuries to vessels' crews, prevent damage to vessels, structures and other property, and reduce the likelihood of a tank barge's drifting, grounding, and ultimately spilling its cargo. A separate supplemental notice of proposed rulemaking on Fire Suppression System and Other Measures for Towing Vessels (CGD 97-064) will contain the two issues not addressed in either of the IRs that came from the Towing Vessel Safety NPRM—fixed fire-suppression systems for towing vessels, and proper voyage planning for masters and operators of towing vessels.

STATUS: Fire Protection Measures IR published October 19, 1999 (64 FR 56257). Comment period closed December 20, 1999. Fire Suppression Systems and Other Measures SNPRM being drafted.

CONTACT: Randall Eberly, Tel.: (202) 267-1861, Fax: (202) 267-4547, e-mail: Reberly@comdt.uscg.mil

G-M Regulatory Projects



**USCG 1998-4501
Improvements to
Marine Safety in
Puget Sound-Area
Waters**

The Coast Guard seeks public comment on potential rules that would improve marine safety in Puget Sound-area waters including Puget Sound, the Strait of Juan de Fuca, passages around and through the San Juan Islands, and the Olympic Coast National Marine Sanctuary. Based on a recent determination by the Secretary of Transportation regarding the status of marine safety in the Puget Sound-area, the Coast Guard has begun a comprehensive cost-benefit analysis to study the feasibility of implementing new safety measures, including extended tug escort requirements for certain vessels and a dedicated pre-positioned rescue vessel. Public input will help focus the cost-benefit analysis and help us develop any future proposed rules that may be necessary.

STATUS: ANPRM was published November 24, 1998 (63 FR 64937). Comment period closed on May 24, 1999.

**USCG 1998-4623
Limited Service
Domestic Load
Lines for River
Barges on Lake
Michigan**

This rulemaking incorporates into 46 CFR part 45 the present load line exemption routes that have been announced in Federal Register notices for unmanned dry cargo barges carrying nonhazardous cargoes on river barges operating on Lake Michigan between Chicago, IL and Milwaukee, WI; and Chicago and Muskegon, MI.

STATUS: The notices were published on September 21, 1992 (57 FR 43479), March 31, 1995 (60 FR 16693), September 28, 1995 (60 FR 50234), and August 26, 1996 (61 FR 43804). NPRM was published on November 2, 1998 (63 FR 58679). Comment period extended on December 28, 1998 (63 FR 71411). Comment period closed on March 4, 1999. Final rule being drafted.

CONTACT: Mr. Thomas Jordan, Project Manager, Tel.: (202) 267-0142, Fax: (202) 267-4816, e-mail: tjordan@comdt.uscg.mil

**USCG 1998-4951
Cargo Securing
Manuals for
Vessels carrying
Hazardous
Materials when
operating in U.S.
Waters**

This rulemaking will add regulations requiring cargo securing manuals for U.S. or foreign vessels of 500 gross tons or more when on international voyages, consistent with Chapter VI/5 and VII/6 of SOLAS, which became effective December 31, 1997. This rulemaking will also propose to amend the cargo stowage and securing management requirements consistent with the requirements Chapters VII/6 of SOLAS, for certificated U.S. ships and barges when operating in U.S. waters.

STATUS: Workplan in clearance.

CONTACT: Mr. Bob Gauvin, Tel.: (202) 267-1053, Fax: (202) 267-4570, e-mail: rgauvin@comdt.uscg.mil.

**USCG 1999-4976
Frequency of
Inspection, Hull
Examination
Alternative**

The Coast Guard proposes amending its vessel inspection regulations. These amendments would introduce a 5-year Certificate of Inspection cycle in accordance with the Coast Guard Authorization Act of 1996 to harmonize our inspections with most internationally required certificates. It will provide vessel owners and operators additional latitude in scheduling inspections. The proposed rule would also establish hull examination alternative for certain passenger vessels. These vessels must operate exclusively in fresh water, on restricted routes, and in benign environments. In addition, the proposed rule would provide the option of alternating drydock examinations with underwater surveys for passenger, nautical school, and sailing school vessels.

STATUS: NPRM published on November 15, 1999 (64 FR 62017). Comment period closes on December 30, 1999.

CONTACT: LCDR D. Darcy, Tel.; (202) 267-6220 or 1220, Fax: (202) 267-4547, e-mail: ddarcy@comdt.uscg.mil.

**USCG 1999-5004
Alternate
Compliance
Program;
Incorporations
by Reference**

This direct final rule (DFR) amends part 8 of Title 46, Code of Federal Regulations, to add recently approved incorporations by reference. Adding several recently approved sets of classification society rules and supplements through incorporation by reference is essential for the continued viability and validity of the Alternate Compliance Program (ACP) regulations. This rule also inserts the address and telephone numbers of the Coast Guard office identified in several parts as the source for additional information to facilitate our ACP. This rule makes no substantive changes to current regulations. It enables continuation of the ACP, which was developed to reduce redundant vessel inspections without jeopardizing safety. The final rule on the ACP was published in the Federal Register (62 FR 67526) on December 24, 1997.



G-M Regulatory Projects

(Continued from previous page)

USCG 1999-5040 Safety of Uninspected Passenger Vessels under the Passenger Vessel Safety Act of 1993

STATUS: DFR was published on June 8, 1999 (64 FR 30437). Comment period open until August 9, 1999. Effective date is September 7, 1999.

CONTACT: Mr. Jaideep Sirkar, Tel.: (202) 267-6925, Fax: (202) 267-4816, e-mail: jsirkar@comdt.uscg.mil.

The Coast Guard will propose regulations that implement safety measures for uninspected passenger vessels under the Passenger Vessel Safety Act of 1993 (PVSA). These regulations will implement the new class of uninspected passenger vessel of at least 100 gross tons, address the confusion regarding bareboat charters, provide for the issuance of special permits to certain uninspected passenger vessels, and develop specific manning, structural fire protection, operating, and equipment requirements for a limited fleet of PVSA exempted vessels.

STATUS: ANPRM published on April 1, 1999 (64 FR 15709). Comment period closed on June 30, 1999. Proposed rule being drafted.

CONTACT: LCDR Mike Jendrossek, Tel.: (202) 267-0919, Fax: (202) 267-4570, e-mail: mjendrossek@comdt.uscg.mil.

USCG-1999-5117 Barges Carrying Bulk Liquid Hazardous Material Cargoes

The Coast Guard requests comments on the type and scope of any necessary revisions to the barges carrying bulk liquid hazardous material cargoes regulations. The regulations are almost 30 years old and do not include current safety information, technology, etc.

STATUS: ANPRM published on September 9, 1999 (64 FR 48976). Comment period open until March 7, 2000.

CONTACT: Mr. Thomas Felleisen, Tel.: (202) 267-0085, Fax: (202) 267-4570, e-mail: tfelleisen@comdt.uscg.mil.

USCG 1999-5151 Update of Standards from the American Society for Testing and Materials (ASTM)

The Coast Guard amends Titles 33 and 46, Code of Federal Regulations, to render current the standards incorporated by reference from the American Society for Testing and Materials (ASTM). Some of the standards incorporated were over 30 years out of date. This rule incorporates the most recent editions of the standards to ensure the use of the latest technology by regulated industry.

STATUS: DFR published on December 1, 1999 (64 FR 67170). Comment period closes on January 31, 2000. Effective date is February 29, 2000.

CONTACT: Ms. Janet Walton, Tel.: (202) 267-0257, Fax: (202) 267-4547, e-mail: jwalton@comdt.uscg.mil.

USCG 1999-5525 Mandatory Ship Reporting Systems

The Coast Guard is implementing two mandatory ship reporting systems in an effort to reduce the threat of ship strikes to endangered northern right whales (also known as the North Atlantic right whale). Based on a proposal by the United States, the International Maritime Organization adopted a resolution to establish these systems. The mandatory ship reporting systems are designed to inform mariners of the presence of whales in certain areas, so that mariners travelling in those areas can take actions to avoid collisions with the whales.

STATUS: Interim rule with request for comments published on June 1, 1999. Comment period closed on August 2, 1999.

CONTACT: Mr. Edward LaRue, Tel.: (202) 267-0416, Fax: (202) 267-4826, e-mail: elarue@comdt.uscg.mil.

USCG-1999-5700 Traffic Separation Schemes: Off San Francisco, in the Santa Barbara Channel, in the Approaches to Los Angeles-Long Beach, California

The Coast Guard proposes amending the existing Traffic Separation Scheme (TSS) off San Francisco and the TSS in the Santa Barbara Channel. The proposed amendments are adopted by the International Maritime Organization and have been validated by several recent vessel routing studies. Once implemented, the amended TSSs would route commercial vessels farther offshore, providing an extra margin of safety and environmental protection in the Monterey Bay National Marine Sanctuary and adjacent waters. Additionally, this proposed rule would incorporate descriptions of these TSSs, as well as a description of the existing TSS in the approaches to Los Angeles-Long Beach, into the Code of Federal Regulations.

STATUS: NPRM published on June 17, 1999. Submit comments on or before August 16, 1999.

CONTACT: LCDR Brian Tetreault, Tel.: (510) 437-2951, Fax: (510) 437-2961, e-mail: btetreault@d11.uscg.mil.

G-M Regulatory Projects



**USCG 1999-5705
Marine
Transportation
Related Facility
Response Plans
for Hazardous
Substances**

This rulemaking would require owners or operators of onshore marine transportation-related facilities to submit a response plan for worst case discharges of hazardous substances.

STATUS: ANPRM published in 61 FR 20084. Comment period closed September 3, 1996. Proposed regulations are in clearance.

CONTACT: LT Michael Roldan, Tel.: (202) 267-0106, Fax: (202) 267-4570, e-mail: mroldan@comdt.uscg.mil.

**USCG 1999-6097
Federal Pilotage
for Foreign-Trade
Vessels in
Maryland**

The Coast Guard will publish an NPRM requiring that vessels engaged in foreign trade, under way on the navigable waterways within the state of Maryland, be under the direction and control of Federally licensed pilots when the vessels are not under the control and direction of Maryland State pilots. This measure is necessary to ensure that vessels are navigated by qualified persons, knowledgeable in the local area and accountable to either the state or the Coast Guard. This measure will increase navigational safety in the area of Baltimore Harbor and reduce the risk of marine casualties in the waters of Maryland.

STATUS: We will be asking for comments on this proposed rule, which is expected to be published in the Federal Register by the end of October 1999.

CONTACT: Timothy Farley G-MOA, Tel.: (202) 267-1414, e-mail: tfarley@comdt.uscg.mil.

**USCG 1999-6098
Great Lakes
Pilotage Rates**

This project will allow annual adjustments to rates that Great Lakes registered pilots will charge for their services based on a review of actual expenses. This will keep pilot compensation comparable to the "target pilot compensation" specified in Appendix A to 46 CFR part 404, Ratemaking Analyses and Methodology, and to set the rate at the lowest possible level. Additionally, by making annual adjustments, large rate changes seen in the past can be avoided.

STATUS: Workplan in clearance.

CONTACT: Mr. Frank J. Flyntz, Tel.: (202)366-8981, Fax: (202) 366-7147, e-mail: frank.j.flyntz@dot.gov/slsdc.

**USCG 1999-6164
Oil Pollution Act
of 1990 (OPA 90),
Phase-out
Requirements for
Single Hull Tank
Vessels**

This rulemaking will place language in 33 CFR 157 to ensure an understanding of the Coast Guard's enforcement policies for the phaseout regulations of OPA 90 on conversions to single hull tank vessels. The Coast Guard published a Notice of Policy (64 FR 19575) on April 21, 1999, which announced this rulemaking. Notice of Proposed Rulemaking published on Jan. 18, 2000 (65 FR 2812).

STATUS: Comment period for NPRM open until April 17, 2000.

CONTACT: Mr. Bob Gauvin, Tel.: (202) 267-1053, Fax: (202) 267-4570, e-mail: rgauvin@comdt.uscg.mil.

**USCG 1999-6224
Licensing and
Manning for
Operators of
Towing Vessels**

This rulemaking has been shifted to the Department of Transportation document management system. The rulemaking is assigned the number USCG-1999-6224. This rulemaking revises the requirements for licensing individuals operating towing vessels. It institutes new licenses with levels of qualification and enhanced training and operating experience. A practical demonstration of skill is required under this rulemaking. It requires officers to hold licenses specifically authorizing the geographic area of operation. The rulemaking is partly in response to the investigation of a collision of a tug and barge with a railroad bridge, near Mobile, AL in September 1993, which caused 46 deaths. The casualty prompted the Coast Guard's report, "Review of Marine Safety Issues related to Uninspected Towing Vessels." Some of the recommendations contained in the review are incorporated into this rulemaking.

STATUS: NPRM was published on June 19, 1996 (61 FR 31332). SNPRM was published on October 27, 1997 (61 FR 31332). Four public meetings were held in February 1998. The Interim Rule was published on November 19, 1999. The comment period will end February 17, 2000. The effective date of the Interim Rule is November 20, 2000.

CONTACT: LCDR Luke Harden, Tel.: (202) 267-0229, Fax: (202) 267-4570, e-mail: lharden@comdt.uscg.mil



The following is a list of National Fire Protection Association Safety Standards affecting the maritime community. Each Standard listed includes news and points of contact. This list will be updated as new information becomes available.

NFPA 12 Carbon Dioxide (CO₂)

The Coast Guard asked the National Fire Protection Association (NFPA) to develop a section within NFPA 12 to address marine CO₂ systems. The committee has drafted a marine chapter (6), which is contained in the 1999 Request of Proposals (ROP), to be considered at the November 1999 annual meeting in New Orleans.

NFPA POINT OF CONTACT: Mark Conroy, (617) 984-7403

USCG POINT OF CONTACT: Klaus Wahle, G-MSE-4, (202) 267-0256

e-mail: kwahle@comdt.uscg.mil

NFPA 13 Automatic Sprinklers

The NFPA has completely revised NFPA 13 to address all aspects of automatic sprinkler system design. At their July 1997 meeting, NFPA Standards Council approved a new project to centralize all requirements pertaining to the design and installation of automatic sprinkler systems into NFPA 13. The new project called for the relocation of those portions of NFPA 24, NFPA 231, and NFPA 231C pertaining to sprinkler systems and fire mains into NFPA 13. Additionally, the project called for the review of all NFPA standards containing sprinkler system requirements to determine how they can best be centralized. The new 1999 edition of NFPA 13 should be available shortly.

NFPA POINT OF CONTACT: Milosh Puchovsky, (617) 984-7408

USCG POINT OF CONTACT: Randall Eberly, G-MSE-4, (202) 267-1444

e-mail: reberly@comdt.uscg.mil

NFPA 750 Standards on Water Mist Fire Protection Systems

The committee responsible for writing NFPA 750 met in May 1999 to take action on the previously submitted proposals for changes to the standard. The final list of amendments is currently being circulated among the committee members for balloting. Final consideration of the modified standard will occur at the Fall 1999 meeting in New Orleans.

NFPA POINT OF CONTACT: Christian Dubay, (617) 984-7435

USCG POINT OF CONTACT: Randall Eberly, G-MSE-4, (202) 267-1444

e-mail: reberly@comdt.uscg.mil

NFPA 1123 Code for Fireworks Display

The Coast Guard is working with the NFPA 1123 committee to develop a chapter addressing the safe conduct of outdoor fireworks aboard vessels and floating platforms. The committee met in March to discuss and respond to the public proposals including a draft chapter. The committee's responses to the public proposals were published in the May edition of the NFPA Report on Proposals (ROP). Members of the public, the marine community, the fire service, and the US Coast Guard are encouraged to submit comments on the committee's responses by October 8, 1999. The form is provided on the back of the standard or using NFPA's "Proposals On-Line" at www.nfpa.org under the Codes and Standards menu item. Within the ROP, a Tentative Interim Amendment (TIA) based on the draft marine chapter has been submitted. If passed, the TIA will establish a new marine chapter in the existing NFPA 1123 to provide guidance for both operators and enforcers of these types of fireworks displays. The Coast Guard is concurrently composing a Navigation and Vessel Inspection Circular (NVIC) to incorporate the TIA with other Coast Guard specific requirements. The committee will meet again in late fall.

NFPA POINT OF CONTACT: Guy Colonna, (617) 984-7435

USCG POINT OF CONTACT: Suzette Hartmann, G-MSE-4, (202) 267-0138

e-mail: shartmann@comdt.uscg.mil

NFPA 2001 Standards on Clean Agent Extinguishing Systems

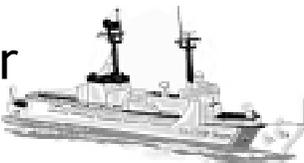
The Coast Guard asked NFPA to develop a section within NFPA 2001 to address marine clean agent systems. At the December 1998 meeting the committee drafted a revised marine chapter (5) which incorporates recent ROP and Report on Comments (ROC) changes. The changes will be discussed at the July 1999 meeting in Halifax, Canada.

NFPA POINT OF CONTACT: Mark Conroy, (617) 984-7403

USCG POINT OF CONTACT: Klaus Wahle, G-MSE-4, (202) 267-0256

e-mail: kwahle@comdt.uscg.mil

Calendar of Events



Please note: Events without dates will no longer be published. To see which courses are Coast Guard-approved, visit <http://www.uscg.mil/hq/g-m/marpers/examques/achome.htm>
Course information is listed in the following order: Sponsor • Dates • Location • Contact
**Conference or Meeting

BASIC PRINCIPLES OF CHARTERING (HOME STUDY COURSE)

Sponsored by Association of Ship Brokers and Agents • Tel.: (973) 376-4144, Fax: (973) 376-4145, e-mail: asba@asba.org, Web site: www.asba.org

HAZARDOUS MATERIALS TRAINING (TRANSPORTATION BY VESSEL)

Sponsored by National Cargo Bureau, Inc. • Call each location for dates: Charleston, SC, (843) 884-1884; Honolulu, HI, (808) 836-7799; Houston, TX, (713) 451-4303; New York, NY, (212) 571-5000; New Orleans, LA, (504) 837-1647; San Francisco, CA, (510) 635-4298; Seattle, WA, (206) 285-5250

HAZARDOUS MATERIALS TRANSPORTATION COMPLIANCE

Sponsored by Vessel Operators Hazardous Materials Association (VOHMA) • Call for location and dates: Tel.: (518) 761-0263, Fax: (518) 792-7781, e-mail: mail@vohma.com, Web site: www.vohma.com

BRIDGE RESOURCE MANAGEMENT

Sponsored by RTM STAR Center • Feb. 15-17; Mar. 14-16; Apr. 11-13; May 16-18, 2000 • 2 W. Dixie Highway, Dania Beach, FL • Tel.: (800) 445-4522, Fax: (954) 920-4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

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OSHA, HAZARDOUS WASTE OPERATIONS

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SAFE PASSAGE, SAFE HARBOR**

Sponsored by Marine Log and BIMCO (Baltic and International Maritime Council) • Feb. 16-17, 2000 • Washington, DC • Jane Poterala, Director, Tel.: (212) 620-7209, Stacey O'Connor, Tel.: (212) 620-7208, Fax: (212) 633-1165

AUTOMATIC RADAR PLOTTING AIDS (ARPA)

Sponsored by Pacific Northwest Maritime Institute • Feb. 17-11; Mar. 13-17; Apr. 10-14; May 1-5; Jun. 5-9, 2000 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441-2880, Fax: (206) 441-2995, e-mail: pnwradar@mates.org, Web site: www.stcw95.com

HEAVY WEATHER AVOIDANCE

Sponsored by Maritime Institute of Technology and Graduate Studies • Feb. 19-20, 2000 • St. Petersburg, FL • Michael Carr, Tel.: (410) 859-5700 ext. 3254, Fax: (410) 859-5181, e-mail: mcarr@mitags.org, Web site: www.mitags.org

AUTOMATIC RADAR PLOTTING AIDS (ARPA)

Sponsored by Maritime Institute of Technology and Graduate Studies • Feb. 21-25; Mar. 27-31; May 15-19, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

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Calendar of Events

BRIDGE RESOURCE MANAGEMENT

Sponsored by Texas A&M Center for Marine Training and Safety • Feb. 21–25, 2000 • Galveston, TX • Cherry Young, Tel: (409) 740–4893, Fax: (409) 744–2890, Web site: <http://teexweb.tamu.edu/cmfs>

DANGEROUS LIQUIDS ORIGINAL

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Feb. 21–25; Mar. 6–10; Mar. 29 – Apr. 2; Apr. 10–14, 2000 • Port Arthur, TX • Tel.: (409) 736–2993, Fax: (409) 736–1628

FAST RESCUE BOAT

Sponsored by RTM STAR Center • Feb. 21–25; Mar. 20–24; Apr. 24–28; May 22–26; Jun. 26–30, 2000 • Dania Beach, FL • Tel.: (800) 445–4522, Fax: (954) 920–4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

FCC LICENSE ELEMENT 1, 3, 7, 9 (GMDSS RADIO OPERATOR/MAINTAINER)

Sponsored by MCC • Feb. 21–Mar. 3, 2000 • Pasadena, TX • Frank Dawsey, Tel.: (713) 473–6143, Fax: (713) 473–6296

NIIMS ICS–BASIC

Sponsored by Texas A&M Center for Marine Training and Safety • Feb. 21, 2000 • Galveston, TX • Cherry Young, Tel: (409) 740–4850, Fax: (409) 744–2890, e-mail: Marine.Training@teexmail.tamu.edu, Web site: <http://teexweb.tamu.edu/cmfs>

RADAR OBSERVER RENEWAL

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AUTOMATIC PLOTTING AIDS

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INTERMEDIATE INCIDENT COMMAND SYSTEM ICSINT (I–300)

Sponsored by Texas A&M Center for Marine Training and Safety • Feb. 22–23, 2000 • Galveston, TX • Cherry Young, Tel: (409) 740–4850, Fax: (409) 744–2890, e-mail: Marine.Training@teexmail.tamu.edu, Web site: <http://teexweb.tamu.edu/cmfs>

ISO 14001 INTERNAL AUDITOR

Sponsored by DNV Training • Feb. 22–24; Apr. 4–6; Jun. 6–8; Aug. 8–10 & 22–24; Oct. 3–5; Oct. 31–Nov. 2; Nov. 28–30, 2000 • Houston, TX; Atlanta, GA; Mexico: Mexico City, Ciudad Juarez, Guadalajara, and Reynosa • Tel.: (770) 279–0001, Fax: (770) 279–0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

Calendar of Events



24-HOUR MEDICAL CARE PROVIDER

Sponsored by RTM STAR Center • Feb. 23-25; Mar. 22-24; Apr. 5-7 & 19-21; May 3-5, 2000 • Dania Beach, FL • Tel.: (800) 445-4522, Fax: (954) 920-4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

FAST RESCUE BOAT TRAINING

Sponsored by Texas A&M Center for Marine Training and Safety • Feb. 23-25; Mar. 29-31, 2000 • Galveston, TX • Cherry Young, Tel: (409) 740-4850, Fax: (409) 744-2890, e-mail: Marine.Training@teexmail.tamu.edu, Web site: <http://teexweb.tamu.edu/cmfts>

GLOBAL INTERMODAL FREIGHT: STATE OF READINESS FOR THE 21ST CENTURY**

Sponsored by the Transportation Research Board • Feb. 23-26, 2000 • Hyatt Regency Long Beach Hotel, Long Beach, CA. • Tel.: (202) 334-3205, Fax: (202) 334-2030, e-mail: jcambrid@nas.edu

ADVANCED INCIDENT COMMAND SYSTEM ICSADV (I-400)

Sponsored by Texas A&M Center for Marine Training and Safety • Feb. 24-25, 2000 • Galveston, TX • Cherry Young, Tel: (409) 740-4850, Fax: (409) 744-2890, e-mail: Marine.Training@teexmail.tamu.edu, Web site: <http://teexweb.tamu.edu/cmfts>

RADAR RECERTIFICATION

Sponsored by Massachusetts Maritime Academy, Center for Maritime Training • Feb. 26; Mar. 11 & 25; Apr. 8 & 29; May 6 & 20; Jun. 3 & 17; Jul. 8 & 22; Aug. 12 & 26; Sep. 9 & 23; Oct. 7 & 21; Nov. 4 & 18; Dec. 2, 2000 • MMA Campus, Buzzards Bay, MA • Annie Hammerle, Tel.: (508) 830-5095, Fax: (508) 830-5090, e-mail: ahammerle@mma.mass.edu

TANK BARGE FIRE FIGHTING

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Feb. 26-27; Mar. 11-12 & 18-19; Apr. 3-4 & 15-16, 2000 • Port Arthur, TX • Tel.: (409) 736-2993, Fax: (409) 736-1628

FIRST AID/CPR

Sponsored by Northeast Maritime Institute • Feb. 27; Apr. 16; May 21; Jun. 18; Jul. 9; Aug. 20; Sep. 17; Oct. 15; Nov. 12; Dec. 10, 2000 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

STCW BASIC SAFETY TRAINING

Sponsored by Northeast Maritime Institute • Feb. 27-Mar. 4; Apr. 16-22; May 21-27; Jun. 18-24; Jul. 9-15; Aug. 20-26; Sep. 17-23; Oct. 15-21; Nov. 12-18; Dec. 10-16, 2000 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

40-HOUR MEDICAL CARE – PERSON IN CHARGE

Sponsored by RTM STAR Center • Feb. 28-Mar. 3; Mar. 27-31; Apr. 10-14 & 24-28; May 8-12, 2000 • Dania Beach, FL • Tel.: (800) 445-4522, Fax: (954) 920-4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

BASIC & ADVANCED FIREFIGHTING

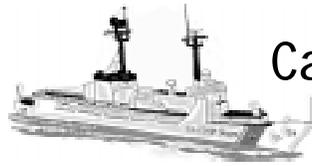
Sponsored by New England Maritime • Feb. 28-Mar. 3, 2000 • Hyannis, MA • James Hurley, Tel.: (508) 790-3400, Fax: (508) 775-1672, e-mail: nem@gis.net, Web site: www.nemaritime.com

BRIDGE RESOURCE MANAGEMENT

Sponsored by Pacific Northwest Maritime Institute • Feb. 28-Mar. 3; Apr. 3-7; May 8-12, 2000 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441-2880, Fax: (206) 441-2995, e-mail: pnwradar@mates.org, Web site: www.stcw95.com

CAPTAIN'S COURSE

Sponsored by Northeast Maritime Institute • Feb. 28-Apr. 27; May 22-Jul. 20; Aug. 21-Oct. 19, 2000; Nov. 6-Jan. 11; 2001 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com



Calendar of Events

COLD WATER SURVIVAL

Sponsored by Northeast Maritime Institute • Feb. 28–29; Apr. 17–18; May 22–23; Jun. 19–20; Jul. 10–11; Aug. 21–22; Sep. 18–19; Oct. 16–17; Nov. 13–14; Dec. 11–12, 2000 • New Bedford, MA • Tel.: (508) 992–4025, Fax: (508) 992–9184, e-mail: neast@northeastmaritime.com

CONFINED SPACE ENTRY

Sponsored by HazTek, Inc. • Feb. 28; Mar. 27, 2000 • South Plainfield, NJ • Robert Lubas or Steve Jones, Tel.: (888) 842–9835, Fax: (609) 714–1004, e-mail: haztekinc@msn.com

DANGEROUS LIQUIDS RENEWAL

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Feb. 28–29; Mar. 13–14 & 20–21; Apr. 5–6 & 17–18, 2000 • Port Arthur, TX • Tel.: (409) 736–2993, Fax: (409) 736–1628

GMDSS

Sponsored by Maritime Institute of Technology and Graduate Studies • Feb. 28–Mar. 10; Mar. 27–Apr. 7, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

ISM CODE AND ISO STANDARD INTERNAL AUDITOR TRAINING

Sponsored by TecSult Eduplus, Inc., Marine Safety and Environmental Protection Training • Feb. 28–Mar. 3; May 29–Jun. 2, 2000 • Dartmouth, Nova Scotia • Captain Roger Day, Tel.: (902) 461–6600 ext. 264, Fax: (902) 461–6601, e-mail: rday@eduplus.ca

MEDICAL FIRST AID

Sponsored by Maritime Institute of Technology and Graduate Studies • Feb. 28–Mar. 3; Apr. 3–7; Jun. 26–30, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

TANKSHIP DANGEROUS LIQUIDS

Sponsored by Training Resources, Ltd. • Feb. 28–Mar. 3; Mar. 27–31; Apr. 17–21; May 8–12, 2000 • San Diego, CA • Ray Addicott, Tel.: (510) 704–8978, Fax: (510) 704–8975, e-mail: trlfor@aol.com

MEDICAL FIRST AID PROVIDER

Sponsored by Training Resources, Ltd. • Feb. 29–Mar. 3; Mar. 21–24; Apr. 11–14; May 2–5 & 23–26, 2000 • San Diego, CA • Ray Addicott, Tel.: (510) 704–8978, Fax: (510) 704–8975, e-mail: trlfor@aol.com

BASIC MARINE FIREFIGHTING

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INCIDENT COMMAND SYSTEM/UNIFIED COMMAND SYSTEM TRAINING

Sponsored by IMS Environmental Services • Mar. 1–3; Jun. 7–9, 2000 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender or Steve May, Tel.: (757) 436–3000, Fax: (757) 549–0990, e-mail: IMStrain@aol.com

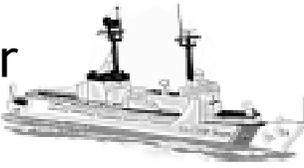
FLASHING LIGHT

Sponsored by Maritime Institute of Technology and Graduate Studies • Mar. 3, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

PERSONAL SAFETY & SOCIAL RESPONSIBILITY

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Calendar of Events



PROFICIENCY IN MEDICAL FIRST AID

Sponsored by Maine Maritime Academy – The Ocean Institute • Mar. 5–7, 2000 • Castine, ME • Verge Forbes or Virginia Comiciotto, Tel.: (207) 326–2211, Fax: (207) 326–2218, e-mail: vcomo@bell.mma.edu

ABLE SEAMAN/LIFEBOATMAN

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ARPA

Sponsored by U.S. Merchant Marine Academy • Mar. 6–10; Jul. 17–21; Sep. 18–22; Dec. 11–15, 2000 • Kings Point, NY • John Hazlett, Tel.: (516) 773–5164, Fax: (516) 773–5353, e-mail: hazlettj@usmma.com, Web site: www.usmma.edu/gmats

DANGEROUS GOODS GLOBAL OPPORTUNITIES 2000 AND BEYOND**

Sponsored by The Conference on Safe Transportation of Hazardous Articles, Inc. (COSTHA) • Mar. 6–8, 2000 • Phoenix, AZ • Tel.: (703) 451–4031, Fax: (703) 451–4207, e-mail: mail@costha.com, Web site: www.costha.com

GLOBAL MARITIME DISTRESS & SAFETY SYSTEM (GMDSS)

Sponsored by RTM STAR Center • Mar. 6–17; Apr. 3–4; Apr. 24–May 5, 2000 • Dania Beach, FL • Tel.: (800) 445–4522, Fax: (954) 920–4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

GMDSS

Sponsored by Texas A&M Center for Marine Training and Safety • Mar. 6–15, 2000 • Galveston, TX • Cherry Young, Tel: (409) 740–4850, Fax: (409) 744–2890, e-mail: Marine.Training@teexmail.tamu.edu, Web site: <http://teexweb.tamu.edu/cmts>

HARBOR SAFETY COMMITTEES NATIONAL CONFERENCE–PROGRESS FOR THE 21ST CENTURY

Sponsored by U.S. Coast Guard, Waterways Management Coordination Division (G–MWP–1) • Mar. 6–7, 2000 • Windows on the World, World Trade Center, New York City, NY • LT. Greg Case, Tel.: (202) 267–0386, Fax: (202) 267–4700, e-mail: gcase@comdt.uscg.mil

LIFEBOATMAN

Sponsored by Northeast Maritime Institute • Mar. 6–10; Apr. 24–28; May 29–Jun. 2; Jul. 17–21; Aug. 28–Sep. 1; Sep. 25–29; Nov. 20–24, 2000 • New Bedford, MA • Tel.: (800) 767–4025, Fax: (508) 992–9184, e-mail: neast@northeastmaritime.com

LIQUEFIED GAS ORIGINAL

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OIL SPILL CONTROL COURSE, COASTAL

Sponsored by Texas A&M Center for Marine Training and Safety • Mar. 6–10, 2000 • Galveston, TX • Cherry Young, Tel: (409) 740–4850, Fax: (409) 744–2890, Web site: <http://teexweb.tamu.edu/cmts>

ORIGINAL RADAR

Sponsored by Pacific Northwest Maritime Institute • Mar. 6–10 & 20–24; Apr. 24–28, 2000 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441–2880, Fax: (206) 441–2995, e-mail: pnwradar@mates.org, Web site: www.stcw95.com



Calendar of Events

OSHA HAZWOPER

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Mar. 6–10 Apr. 3–7; May 22–26; Jun. 19–23; Aug. 14–18; Sep. 11–15; Nov. 6–10, 2000 • MMA Campus, Buzzards Bay, MA • Jane Joska, Tel.: (508) 830–5098, Fax: (508) 830–5018, e-mail: jjoska@mma.mass.edu

OSHA HAZWOPER REFRESHER

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Mar. 6; Apr. 3; May 22; Jun. 19; Aug. 14; Sep. 11; Nov. 6, 2000 • MMA Campus, Buzzards Bay, MA • Jane Joska, Tel.: (508) 830–5098, Fax: (508) 830–5018, e-mail: jjoska@mma.mass.edu

PERSONAL SURVIVAL AT SEA

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RADAR OBSERVER, UNLIMITED

Sponsored by Northeast Maritime Institute • Mar. 6–10; Apr. 3–11; May 8–12; Jun. 5–9; Jul. 3–7; Aug. 7–11; Sep. 4–8; Oct. 2–6; Nov. 6–10; Dec. 4–8, 2000 • New Bedford, MA • Tel.: (508) 992–4025, Fax: (508) 992–9184, e-mail: neast@northeastmaritime.com

RADAR RE-CERTIFICATION

Sponsored by RTM STAR Center • Mar. 6; Apr. 3; May 1 & 29, 2000 • Dania Beach, FL • Tel.: (800) 445–4522, Fax: (954) 920–4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

TANK BARGE: DANGEROUS LIQUIDS

Sponsored by Texas A&M Center for Marine Training and Safety • Mar. 6–9, 2000 • Galveston, TX • Cherry Young, Tel: (409) 740–4850, Fax: (409) 744–2890, e-mail: Marine.Training@teexmail.tamu.edu, Web site: <http://teexweb.tamu.edu/cmfts>

TRAIN THE TRAINER

Sponsored by RTM STAR Center • Mar. 6–10; Apr. 10–14; May 22–26, 2000 • Dania Beach, FL • Tel.: (800) 445–4522, Fax: (954) 920–4268, Web site: www.star-center.com

AUTOMATIC RADAR & PLOTTING AIDS (ARPA)

Sponsored by RTM STAR Center • Mar. 7–10; Apr. 4–7; May 2–5, 2000 • Dania Beach, FL • Tel.: (800) 445–4522, Fax: (954) 920–4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

PERMIT REQUIRED CONFINED SPACE

Sponsored by IMS Environmental Services • Mar. 7; Apr. 4, 2000 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender or Steve May, Tel.: (757) 436–3000, Fax: (757) 549–0990, e-mail: IMStrain@aol.com

PERSONAL SAFETY AND SOCIAL RESPONSIBILITY

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PROFICIENCY FOR PERSONS IN CHARGE OF MEDICAL CARE ON BOARD SHIP

Sponsored by Maine Maritime Academy – The Ocean Institute • Mar. 7–10, 2000 • Castine, ME • Verge Forbes or Virginia Comiciotto, Tel.: (207) 326–2211, Fax: (207) 326–2218, e-mail: vcomo@bell.mma.edu

ADVANCED DANGEROUS LIQUID CARGO – TANKERMAN PIC

Sponsored by RTM STAR Center • Mar. 8–12, 2000 • Dania Beach, FL • Tel.: (800) 445–4522, Fax: (954) 920–4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

Calendar of Events



ELEMENTARY FIRST AID

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TANKSHIPS DANGEROUS LIQUIDS PERSON IN CHARGE

Sponsored by Maine Maritime Academy – The Ocean Institute • Mar. 12-17, 2000 • Castine, ME • Verge Forbes or Virginia Comiciotto, Tel.: (207) 326-2211, Fax: (207) 326-2218, e-mail: vcomo@bell.mma.edu

ADVANCED FIREFIGHTING

Sponsored by Maritime Institute of Technology and Graduate Studies • Mar. 13-17; Apr. 17-21; May 15-19, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

AUTOMATIC RADAR PLOTTING AIDS (ARPA)

Sponsored by Pacific Northwest Maritime Institute • Mar. 13-17; Apr. 10-14, 2000 • Seattle, WA • Greg Trunnell, Tel.: (206) 441-2880, Fax: (206) 441-2995, e-mail: pnwradar@mates.org, Web site: www.stcw95.com

AUTOMATIC RADAR PLOTTING AIDS (ARPA)

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BASIC/ADVANCED SHIPBOARD FIREFIGHTING

Sponsored by Resolve Fire & Hazard Response, Inc. • Mar. 13-17; Apr. 3-7; May 1-5; Jun. 5-9; Jul. 10-14; Jul. 31-Aug. 4; Aug. 28-Sep. 1; Oct. 2-6; Oct. 30-Nov. 3; Nov. 27-Dec. 1, 2000 • Ft. Lauderdale, FL • Todd Duke, Tel.: (888) 886-FIRE, Fax: (954) 356-5898, e-mail: info@resolvefire.com, Web site: www.resolvefire.com

BASIC SAFETY TRAINING

Sponsored by RTM STAR Center • Mar. 13-17; Apr. 10-14; May 8-12; Jun. 19-23, 2000 • Dania Beach, FL • Tel.: (800) 445-4522, Fax: (954) 920-4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

GMDSS

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HEAVY WEATHER AVOIDANCE

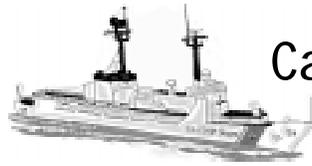
Sponsored by Maritime Institute of Technology and Graduate Studies • Mar. 13-17; Jun. 5-9, 2000 • MITAGS Campus, Linthicum Heights, MD • Michael Carr, Tel.: (410) 859-5700 ext. 3254, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

MARITIME HF 2000 CONFERENCE**

Sponsored by Maritime Institute of Technology and Graduate Studies and the Human Factors Group • Mar. 13-14, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181; e-mail: admissions@mitags.org, Web site: www.mitags.org

MEDICAL PERSON IN CHARGE

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Calendar of Events

NATIONAL SEALIFT TRAINING PROGRAM

Sponsored by U.S. Merchant Marine Academy • Mar. 13-24; Jul. 10-21; Sep. 11-22; Nov. 7-18, 2000 • Kings Point, NY • John Hazlett, Tel.: (516) 773-5164, Fax: (516) 773-5353, e-mail: hazlettj@usmma.com, Web site: www.usmma.edu/gmats

OPA-90 QUALIFIED INDIVIDUAL TRAINING PROGRAM

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Mar. 13-17; Apr. 10-14; May 15-19, Jun. 12-16, Sep. 18-22, Nov. 13-17, 2000 • MMA Campus, Buzzards Bay, MA • Jane Joska, Tel.: (508) 830-5098, Fax: (508) 830-5018, e-mail: jjoska@mma.mass.edu

OSHA HAZWOPER REFRESHER

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SHIPHANDLING SIMULATOR COURSE

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SPILL MANAGEMENT COURSE – QUALIFIED INDIVIDUAL

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TANKERMAN – PIC DANGEROUS LIQUIDS

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TANKSHIP/BARGE DANGEROUS LIQUID CARGO

Sponsored by U.S. Merchant Marine Academy • Mar. 13-17; Apr. 10-14; May 8-12; Jun. 12-16; Jul. 31-Aug. 4; Sep. 11-15; Nov. 27-Dec. 1, 2000 • Kings Point, NY • John Hazlett, Tel.: (516) 773-5164, Fax: (516) 773-5353, e-mail: hazlettj@usmma.com, Web site: www.usmma.edu/gmats

INTRO TO ISO 9000 YEAR 2000 UPDATE

Sponsored by DNV Training • Mar. 14; Apr. 25; May 9 & 25; Jul. 7, 18 & 25; Aug. 4 & 24; Sep. 19; Oct. 10, 13 & 26, 2000 • Atlanta, GA; Detroit, MI; Houston, TX; Long Beach, CA; San Diego, CA; Monterrey, MX • Tel.: (770) 279-0001, Fax: (770) 279-0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

INCIDENT MANAGEMENT SIMULATION EXERCISES

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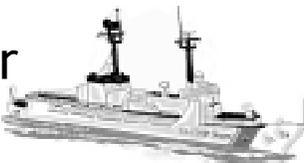
OPA-90 QUALIFIED INDIVIDUAL ANNUAL REFRESHER

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Mar. 16-17; Apr. 13-14; May 18-19, Jun. 15-16, Sep. 21-22, Nov. 16-17, 2000 • MMA Campus, Buzzards Bay, MA • Jane Joska, Tel.: (508) 830-5098, Fax: (508) 830-5018, e-mail: jjoska@mma.mass.edu

BRIDGE RESOURCE MANAGEMENT

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Calendar of Events



FRESHWATER/INLAND OIL SPILL CONTROL COURSE

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GMDSS

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GMDSS

Sponsored by Pacific Northwest Maritime Institute • Mar. 20–31; Apr. 17–28, 2000 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441–2880, Fax: (206) 441–2995, e-mail: pnwradar@mates.org, Web site: www.stcw95.com

GMDSS

Sponsored by U.S. Merchant Marine Academy • Mar. 20–31; Apr. 10–21; May 8–19; Jun. 5–16; Aug. 7–18; Oct. 23–Nov. 3; Dec. 4–15, 2000 • Kings Point, NY • John Hazlett, Tel.: (516) 773–5164, Fax: (516) 773–5353, e-mail: hazlettj@usmma.com, Web site: www.usmma.edu/gmats

ISO 9000 LEAD AUDITOR (MARINE)

Sponsored by ABS Group Inc., Training and Consulting Division • Mar. 20–24, 2000 • Baltimore, MD • Heather Elliot, Tel.: (301) 921–2345, Fax: (301) 921–0373, e-mail: HElliot@eagle.org, Web site: www.govinst.com

OIL SPILL MANAGEMENT

Sponsored by The National Spill Control School • Mar. 20–24; Jul. 24–28; Oct. 30–Nov. 3, 2000 • Texas A&M University, Corpus Christi, TX • Fran Trevino, Tel.: (361) 825–3333, Fax: (361) 825–3337, e-mail: nscs@tamucc.edu, Web site: www.sci.tamucc.edu/nscs

OSHA OUTREACH TRAINING, CONSTRUCTION SAFETY & HEALTH

Sponsored by HazTek, Inc. • Mar. 20, 2000 • 4475 South Clinton Ave., South Plainfield, NJ • Robert Lubas or Steve Jones, Tel.: (888) 842–9835, Fax: (609) 714–1004, e-mail: haztekinc@msn.com

PRACTICAL RISK ASSESSMENT

Sponsored by DNV Training • Mar. 20–21; Apr. 3–4; May 8–9; Jun. 19–20; Jul. 10–11; Aug. 7–8; Sep. 18–19; Nov. 6–7 & 13–14; Dec. 4–5, 2000 • Atlanta, GA; Houston, TX; Calgary, AB; Toronto, ON; Vancouver, BC; Mexico City, ME; Monterrey, ME; Valencia, VEN • Tel.: (770) 279–0001, Fax: (770) 279–0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

STCW BASIC SAFETY TRAINING MODULES

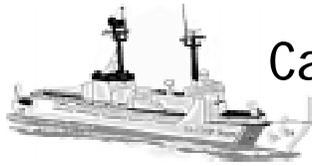
Sponsored by U.S. Merchant Marine Academy • Mar. 20–24; Apr. 3–7; May 1–5; Jun. 5–9; Jul. 24–28; Sep. 5–8; Dec. 4–8, 2000 • Kings Point, NY • John Hazlett, Tel.: (516) 773–5164, Fax: (516) 773–5353, e-mail: hazlettj@usmma.com, Web site: www.usmma.edu/gmats

TANK BARGE FIRE FIGHTING

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Mar. 20–21, 2000 • Port Arthur, TX • Tel.: (409) 736–2993, Fax: (409) 736–1628

ACCIDENT INVESTIGATION

Sponsored by DNV Training • Mar. 22–24; Apr. 5–7; May 10–12; Jun. 21–23; Jul 5–7 & 12–14; Aug. 9–11; Sep. 20–22; Nov. 8–10 & 15–17; Dec. 6–8, 2000 • Atlanta, GA; Houston, TX; Washington, DC; Calgary, AB; Toronto, ON; Vancouver, BC; Mexico City, MX; Monterrey, MX; Valencia, VEN • Tel.: (770) 279–0001, Fax: (770) 279–0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com



Calendar of Events

CHEMICAL TANKER INFORMATION SEMINAR

Sponsored by The Chemical Carriers' Association Inc. (CCA) • Mar. 22, 2000 • South Shore Harbor Resort and Conference Center, League City, TX • Tel.: (202) 337-3366, Fax: (202) 337-7090, e-mail: cctanker@sprynet.com, Web site: www.chemicalcarriers.org

OILED WILDLIFE REHABILITATION

Sponsored by The National Spill Control School • Mar. 24-25; Nov. 3-4, 2000 • Texas A&M University, Corpus Christi, TX • Fran Trevino, Tel.: (361) 825-3333, Fax: (361) 825-3337, e-mail: nscs@tamucc.edu, Web site: www.sci.tamucc.edu/nscs

BASIC/ADVANCED FIREFIGHTING

Sponsored by U.S. Merchant Marine Academy • Mar. 27-31; May 15-19; Aug. 7-11; Oct. 2-6; Dec. 18-22, 2000 • Kings Point, NY • John Hazlett, Tel.: (516) 773-5164, Fax: (516) 773-5353, e-mail: hazlettj@usmma.com, Web site: www.usmma.edu/gmats

CHEMICAL TANKER SAFETY

Sponsored by Tecsumt Eduplus, Inc., Marine Safety and Environmental Protection Training • Mar. 27-31, 2000 • Dartmouth, Nova Scotia • Captain Roger Day, Tel.: (902) 461-6600 ext. 264, Fax: (902) 461-6601, e-mail: rday@eduplus.ca

COASTAL OIL SPILL RESPONSE AND SAFETY

Sponsored by The National Spill Control School • Mar. 27-31; Jun. 5-9; Jul. 31-Aug. 4, 2000 • Texas A&M University, Corpus Christi, TX • Fran Trevino, Tel.: (361) 825-3333, Fax: (361) 825-3337, e-mail: nscs@tamucc.edu, Website: www.sci.tamucc.edu/nscs

HAZARDOUS MATERIALS COURSE

Sponsored by Maritime Institute of Technology and Graduate Studies • Mar. 27-31; Jun. 5-9, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

STCW FAST RESCUE BOAT

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Mar. 27-30; Apr. 24-27; May 22-25, Jun. 26-29, 2000 • MMA Campus, MA • Jane Joska, Tel.: (508) 830-5098, Fax: (508) 830-5018, e-mail: jjoska@mma.mass.edu

TANKERMAN FAMILIARIZATION

Sponsored by Northeast Maritime Institute • Mar. 27-30; May 15-18; Oct. 23-26; Nov. 12-18; Dec. 10-16, 2000 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

6TH INTERNATIONAL CONFERENCE ON THE EFFECTS OF OIL ON WILDLIFE**

Sponsored by Tri-State Bird Rescue & Research, Inc. • Mar. 30-31, 2000 • Myrtle Beach, SC • Dr. Virginia Pierce or Dr. Heidi Stout, Tel.: (302) 737-7241, Fax: (302) 737-9562, e-mail: gpierce@tristatebird.org or hstout@tristatebird.org

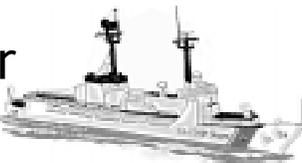
HAZARD ANALYSIS LEADER TRAINING

Sponsored by American Bureau of Shipping (ABS) Group • Mar. 30, 2000 • Karen Davis, Process Safety Institute, Knoxville, TN • Tel.: (865) 675-2580, Fax: (865) 671-5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

ISO 9000 LEAD ASSESSOR

Sponsored by DNV Training • Apr. 3-7; Jun. 19-23; Aug. 7-11; Sep. 25-29; Nov. 6-11, 2000 • Houston, TX; Atlanta, GA; San Diego, CA • Tel.: (770) 279-0001, Fax: (770) 279-0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

Calendar of Events



BASIC & ADVANCED FIREFIGHTING

Sponsored by Northeast Maritime Institute • Apr. 10-14; Jun. 12-16; Aug. 14-18; Oct. 9-13; Dec. 4-8, 2000 • New Bedford, MA – Windsorlock, CT • Tel.: (800) 767-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

HAZWOPER (E) – HAZARDOUS WASTE SITE CLEANUP

Sponsored by IMS Environmental Services • Apr. 10-14, 2000 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender or Steve May, Tel.: (757) 436-3000, Fax: (757) 549-0990, e-mail: IMStrain@aol.com

SHIPHANDLING IN MANNED MODELS

Sponsored by Massachusetts Maritime Academy, Center for Maritime Training • Apr. 10-14; May 8-12; Jun. 5-9 & 19-23; Jul. 10-14 & 24-28; Aug. 7-11 & 21-25; Sep. 11-15 & 25-29; Oct. 9-13 & 23-27; Nov. 6-10, 2000 • MMA Campus, Buzzards Bay, MA • Annie Hammerle, Tel.: (508) 830-5095, Fax: (508) 830-5090, e-mail: ahammerle@mma.mass.edu

SHIPBOARD MEDICAL CARE

Sponsored by Maritime Institute of Technology and Graduate Studies • May 1-26, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

STCW-95 IMPLEMENTATION AND IN-SERVICE ASSESSOR

Sponsored by DNV Training • May 2-4; Jun. 13-15, 2000 • Houston, TX; River Edge, NJ; Vancouver, BC • Tel.: (770) 279-0001, Fax: (770) 279-0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

CRUDE OIL WASHING AND INERT GAS SYSTEMS

Sponsored by Tecslut Eduplus, Inc., Marine Safety and Environmental Protection Training • May 8-11, 2000 • Dartmouth, Nova Scotia • Captain Roger Day, Tel.: (902) 461-6600, Fax: (902) 461-6601, e-mail: rday@eduplus.ca

RADAR OBSERVER UNLIMITED

Sponsored by Massachusetts Maritime Academy, Center for Maritime Training • May 8-18; May 30-Jun. 2; Jul. 10-14; Aug. 21-25; Oct. 23-Nov. 1, 2000 • MMA Campus, Buzzards Bay, MA • Annie Hammerle, Tel.: (508) 830-5095, Fax: (508) 830-5090, e-mail: ahammerle@mma.mass.edu

SASMEX INTERNATIONAL 2000**

May 9-11, 2000 • Brighton, Sussex, England • Gillian Jones, e-mail: gjones@dmg.co.uk, Web site: www.dmg.co.uk

NATIONAL SAFETY COUNCIL FIRST AID/CPR

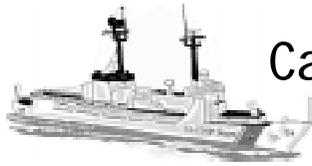
Sponsored by IMS Environmental Services • May 16-17, 2000 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender or Steve May, Tel.: (757) 436-3000, Fax: (757) 549-0990, e-mail: IMStrain@aol.com

ISM INTERNAL AUDITOR

Sponsored by DNV Training • May 22-26; Jun. 12-16; Oct. 9-13, 2000 • Houston, TX; River Edge, NJ; Vancouver, BC • Tel.: (770) 279-0001, Fax: (770) 279-0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

SHIPHANDLING COMBINATION COURSE

Sponsored by Massachusetts Maritime Academy, Center for Maritime Training • May 22-26; Jun. 12-16; Jul. 17-21; Aug. 14-18; Sep. 18-22; Oct. 16-20, 2000 • MMA Campus, Buzzards Bay, MA • Annie Hammerle, Tel.: (508) 830-5095, Fax: (508) 830-5090, e-mail: ahammerle@mma.mass.edu



Calendar of Events

INERT GAS SYSTEM/CRUDE OIL WASHING (IGS/COW)

Sponsored by Massachusetts Maritime Academy, Center for Maritime Training • May 26–28; Dec. 1–3, 2000 • MMA Campus, Buzzards Bay, MA • Annie Hammerle, Tel.: (508) 830–5095, Fax: (508) 830–5090, e-mail: ahammerle@mma.mass.edu

GLOBAL MARITIME DISTRESS & SAFETY SYSTEM (GMDSS)

Sponsored by Massachusetts Maritime Academy, Center for Maritime Training • Jun. 6–9 & 11–16; Jul. 11–15 & 17–21; Aug. 1–4, 6–11, 22–26 & Aug. 28–Sep. 1; Oct. 6–10 & 12–16, 2000 • MMA Campus, Buzzards Bay, MA • Annie Hammerle, Tel.: (508) 830–5095, Fax: (508) 830–5090, e-mail: ahammerle@mma.mass.edu

SHIP STRUCTURES FOR THE NEW MILLENNIUM**

Sponsored by American Society of Naval Engineers, Society of Naval Architects and Marine Engineers, and Interagency Ship Structure Committee • Jun. 13–14, 2000 • Arlington, VA • Bill Vorus, Tel.: (504) 280–3871, Fax: (504) 280–3898, e-mail: wvorus@uno.edu

BRIDGE RESOURCE MANAGEMENT

Sponsored by U.S. Merchant Marine Academy • Jul. 10–14; Sep. 25–29; Dec. 18–22, 2000 • Kings Point, NY • John Hazlett, Tel.: (516) 773–5164, Fax: (516) 773–5353, e-mail: hazlettj@usmma.com, Web site: www.usmma.edu/gmats

PAXTRIM (PASSENGER SAFETY)

Sponsored by DNV Training • Aug. 15–16, 2000 • Vancouver, BC • Tel.: (770) 279–0001, Fax: (770) 279–0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

MARITIME LEGISLATION, REGULATION AND POLICY**

Sep. 19–20, 2000 • Washington, DC • Jane Poterala, Tel.: (212) 620–7209, Stacey O'Connor, Tel.: (212) 620–7208, Fax: (212) 633–1165

PACIFIC ADMIRALTY SEMINAR**

The Pacific Admiralty Seminar covers recent developments in maritime law • Oct. 12–13, 2000 • San Francisco, CA • Gregory Poulos, Lillick & Charles LLP, Tel.: (415) 984–8446, e-mail: gpoulos@lillick.com

Contributions

Marine Safety Newsletter and *Proceedings* magazine welcome manuscript and photo submissions for publication. No payment can be made for manuscripts or photos submitted for publication. However, an author or photo credit byline will be given. The Editor reserves the right to make any editorial changes in manuscripts which he believes will improve the material without altering the intended meaning. All correspondence should be addressed to: Editor, U.S. Coast Guard, National Maritime Center, 4200 Wilson Boulevard, Suite 510, Arlington, VA 22203-1804.

Calendar of Events Submissions

Due to the large number of submissions for the Calendar of Events Section, we will list all events that occur the month after publication and later in chronological order. Other events will be included, if space permits.

Deadlines

- The *Marine Safety Newsletter* is published monthly on the 5th of each month.
- The deadline for articles, calendar events, and regulatory information is on the 25th of the previous month.
- Readers receive their copy of the *Marine Safety Newsletter* around the 15th of each month.

Up to the Minute News

Items missing the deadline for the *Marine Safety Newsletter* are posted on the World Wide Web at: www.uscg.mil/hq/g-m/gmhome.htm.

Address Changes

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