

# Annex 21 Resolution Mepc 295 71 Adopted On 7 July 2017

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*Annex 21 Resolution  
Mepc 295 71 Adopted On  
7 July 2017*

2023-03-27

## JESUS SHANNON

*Optimization-Based Energy Management  
for Multi-energy Maritime Grids* United  
Nations

Now in a third, revised edition, *Excessive Maritime Claims* by J. Ashley Roach and Robert W. Smith is designed for law of the sea and maritime law specialists. Coverage includes current affairs in maritime law such as submarine cables, polar areas, environmental protection, sovereign immunity and sunken ships, and

maritime law enforcement, maritime security, proliferation of weapons of mass destruction by sea, piracy, and protection of underwater cultural heritage.

**Spanish Yearbook of International Law** Createspace Independent Publishing Platform

In Arctic Ocean Shipping, Donald R. Rothwell assesses contemporary navigation, security and sovereignty issues in the North American Arctic. Multiple issues are raised regarding the existing legal regime and maritime security, including how Canada and the United States will respond to interest

being expressed in Arctic shipping by Asian States.

Sustainability in the Maritime Domain  
Springer

In common with previous issues, the 2012 Review contains critical analysis and a wealth of unique data, including long-term data series on seaborne trade, fleet capacity, shipping services and port handling activities. This year's Review notes that world seaborne trade grew by 4 per cent in 2011, whereas the tonnage of the world fleet grew at a greater rate, by almost 10 per cent, as shipowners took delivery of vessels that had been ordered

before the economic crisis began. With supply outstripping demand, freight rates fell even further, to unprofitable levels for most shipping companies. For importers and exporters, however, the low freight rates helped to reduce transaction costs, which is important for helping to revive global trade. As freight traffic continues to grow, the question of how to ensure the long-term sustainability of such growth is playing an increasingly important part in the policy debate on globalisation, trade and development, environmental sustainability, energy security and climate change. Reflecting these new realities, this year's Review of Maritime Transport addresses a range of relevant issues in this context and includes a special chapter on sustainable freight transport. This chapter highlights the impacts of freight transport activity, for example on the environment, human health and the climate, and the consequent need to reduce the sector's energy consumption and emissions. If left unchecked, such unsustainable patterns are likely to intensify, increasing the potential for global energy and environmental crises, and risk undermining progress being made

on sustainable development and growth. Promoting a shift towards sustainable freight transport will help improve the sector's energy efficiency, reduce its heavy reliance on oil, and limit environmental and climate change impacts. In this context, developing effective policies and measures, including for the purpose of climate change mitigation and adaptation, and ensuring appropriate financing, are major challenges, especially for developing countries  
*Coast Pilot 4* Martinus Nijhoff Publishers  
 Ballast water management is a complex subject with many issues and still limited knowledge, however, it is building up on new scientific researches and practical experience. The Ballast Water Management Convention is the global legal framework which still needs to be implemented. This book brings together a long-term and newest experience from practical work, scientific research, administration and policy involvements, offering unique insights to readers who would like to learn more about this subject. It also provides recommendations and practical solutions especially

important for professionals, administrations and organizations in the process of the implementation of this Ballast Water Management Convention.

**Controlling Garbage and Plastic Wastes at Sea** IMO Publishing

This series contains the decisions of the Court in both the English and French texts.  
*How to Do It* Springer

The second World Ocean Assessment is a collaborative effort of hundreds of experts from all regions of the world, a comprehensive and integrated assessment of the state of marine environment.

**U.s. Coast Guard Marine Environmental Response and Preparedness Manual** Queen Mary

Studies in Internat  
 U.S. COAST GUARD MARINE  
 ENVIRONMENTAL RESPONSE and  
 PREPAREDNESS MANUAL COMDTINST  
 M16000.14A

Articles, Protocols, Annexes, Unified Interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as Modified by the 1978 and 1997 Protocols United Nations  
 The International Convention for the Control and Management of Ships' Ballast

Water and Sediments, 2004 (BWM Convention), is concerned with preventing, minimizing and ultimately eliminating the risks to the environment, human health, property and resources arising from the transfer of harmful aquatic organisms and pathogens, through the control and management of ships' ballast water and sediments. The BWM Convention also aims to avoid unwanted side-effects from that control and encourages developments in related knowledge and technology. The 2018 consolidated edition aims to provide an easy and comprehensive reference to the up-to-date provisions and unified interpretation of articles and annex of the BWM Convention

**Revised MARPOL Annex VI** Springer Edition 48 for 2016. The app links to charts, aerial photos, embedded videos, every marina, email support group, all port authorities, the wind charts, every anchorage, worldwide harbors, the tides, engine troubleshooting, all the weather, local knowledge, every dive site, every seabird, every pelagic fish, how to catch fish, animated knots, tips, Cruisers Forum, suggested itineraries, the nav rules, the ocean currents, all safety information,

USCG, outboard engines, vessel traffic services, the radio frequencies, videos, every dock, every fuel supply, food, restaurants & supermarkets, every lighthouse, repairs, marine parks, general knowledge, your safety & security, sightseeing, the dive sites, all necessary books, USCG accident reports, safety check, Facebook group, Pinterest, Instagram, the nightlife, Crewfinder, Tumblr, Scuttlebutt, Snapchat group, Tripadvisor, environmental issues, all warnings, Chatbot, Live cams, Livestream, Events, Regulations, Wikipedia, put up your photos & videos, email group, Cruisers Forum, BoatBuzz, Top 20 sailing blogs, Links to all Gov agencies, official alerts & warnings and more... +The app on your phone, tablet and computer ready for any situation. + Link to First Aid and Sea Survival. + Phone and email out of the app. + Your screen can become a full screen weather radar. + See the surrounding ships in real time on your screen with a link to AIS. + View updated charts using online chart viewer. + Before departure download and print current charts in booklet form. Topics in this Pilot include channel descriptions, piracy,

safety, anchorages, cloud cover, local winds, humidity, temperatures, bridge and cable clearances, dangerous waves, currents, tide and water levels, prominent features, visibility, cyclones, storms, fog, precipitation, pilotage, towage, weather, ice conditions, wharf descriptions, dangers, routes, traffic separation schemes, small-craft facilities, and Federal regulations applicable to navigation. GENERAL INFORMATION This is a huge resource on the app with hundreds of useful links to Government, USCG, Wikipedia etc. Chapter 2. NAVIGATION REGULATIONS The complete online updated Code of Federal Regulations is linked in the app. Chapter 3. California, Oregon, and Washington Chapter 4. San Diego to Point Arguello, California Chapter 5. CHANNEL ISLANDS. This chapter describes the eight Channel Islands They include the four islands of the southern group-San Clemente, Santa Catalina, San Nicolas, and Santa Barbara; Chapter 6. Point Arguello to San Francisco Bay, California Chapter 7. San Francisco Bay, California. Chapter 8. San Francisco Bay to Point St. George, California. This chapter describes Bodega Bay, Tomales Bay, Noyo

River and Anchorage, Shelter Cove, Humboldt Bay. Chapter 9. Chetco River to Columbia River, Oregon This chapter describes 200 miles of the Oregon coast from the mouth of the Chetco River to the mouth of the Columbia River. Chapter 10. Columbia River, Oregon and Washington This chapter describes the Columbia River from its mouth at the Pacific Ocean to the head of navigation above Richland, Chapter 11. Columbia River to Strait of Juan De Fuca, Washington This chapter describes the Pacific coast of the State of Washington from the Washington-Oregon border at the mouth of the Columbia River Chapter 12. Strait of Juan De Fuca and Georgia, Washington. This chapter includes the Strait of Juan de Fuca, Sequim Bay, Port Discovery, the San Juan Islands and its various passages and straits, Deception Pass, Fidalgo Island, Chapter 13. Puget Sound, Washington This chapter describes Puget Sound and its numerous inlets, bays, and passages, and the waters of Hood Canal, Chapter 14. HAWAII The Hawai'ian Islands an archipelago, consist of eight large islands, plus many islets, reefs, and shoals, strung out from SE to NW for 1,400 nautical miles in the north-

central Pacific Ocean. Chapter 15. PACIFIC ISLANDS

#### Governance of Arctic Shipping BRILL

*Frontiers in International Environmental Law* is a collection of essays that showcases how law and legal scholarship can responded to challenges to our oceans and climate governance regimes.

#### **Frontiers in International Environmental Law: Oceans and Climate Challenges**

Guidelines for the Implementation of MARPOL Annex V The Marine Environment Protection Committee (MEPC) of IMO, at its sixty-second session in July 2011, adopted the Revised MARPOL Annex V, concerning Regulations for the prevention of pollution by garbage from ships, which enters into force on 1 January 2013. The associated guidelines which assist States and industry in the implementation of MARPOL Annex V have been reviewed and updated and two Guidelines were adopted in March 2012 at MEPC's sixty-third session. The 2012 edition of this publication contains: the 2012 Guidelines for the implementation of MARPOL Annex V (resolution MEPC.219(63)); the 2012 Guidelines for the development of garbage management

plans (resolution MEPC.220(63)); and the Revised MARPOL Annex V (resolution MEPC.201(62)). Sustainability in the Maritime Domain Towards Ocean Governance and Beyond

This Manual provides practical information to Governments and competent (port) authorities, in particular those in developing countries, as well as the shipping industry, agencies and waste contractors seeking guidance when implementing MARPOL. It also provides guidance on how to deal with possible inadequacies, as, in order to comply fully with MARPOL, a party State has to ensure the provision of adequate port reception facilities meeting the needs of ships using their ports, without causing undue delay to the ships.

*Annex V* Copyright Law of the United St The Marine Environment Protection Committee (MEPC) of IMO, at its sixty-second session in July 2011, adopted the Revised MARPOL Annex V, concerning Regulations for the prevention of pollution by garbage from ships, which enters into force on 1 January 2013. The associated guidelines which assist States and industry in the implementation of MARPOL Annex V

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**The Arctic and World Order** Edward Elgar Publishing

"In *The Spratly Islands and International Law*, Xuechan Ma offers a detailed analysis of legal solutions to achieve coexistence and cooperation in the Spratly Islands in the absence of maritime delimitation.

*Spanish Yearbook of International Law*  
National Academies Press

The oceans cover more than seventy per cent of the surface of the planet and they provide many vital ecosystem services. However, the health of the world's oceans has been deteriorating over the past decades and the protection of the marine environment has emerged as one of the most pressing legal and political challenges for the international

community. An effective solution depends upon the cooperation of all states towards achieving agreed objectives. This book provides a critical assessment of the role that international law plays in this process, by explaining and evaluating the various legal instruments that have been negotiated in this area, as well as key trends in global ocean governance. Starting with a detailed analysis of the United Nations Convention on the Law of the Sea, the book considers the main treaties and other legal texts that seeks to prevent, reduce, and control damage to the marine environment caused by navigation, seabed exploitation, fishing, dumping, and land-based activities, as well as emerging pressures such as ocean noise and climate change. The book demonstrates how international institutions have expanded their mandates to address a broader range of marine environmental issues, beyond basic problems of pollution control to include the conservation of marine biological diversity and an ecosystems approach to regulation. It also discusses the development of diverse regulatory tools to address anthropogenic impacts on the

marine environment and the extent to which states have adopted a precautionary approach in different maritime sectors. Whilst many advances have been made in these matters, this book highlights the need for greater coordination between international institutions, as well as the desirability of developing stronger enforcement mechanisms for international environmental rules.

**Excessive Maritime Claims** Brookings Institution Press

The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) addresses classification and labelling of chemicals by types of hazards. It provides the basis for worldwide harmonization of rules and regulations on chemicals and aims at enhancing the protection of human health and the environment during their handling, transport and use by ensuring that the information about their physical, health and environmental hazards is available. The sixth revised edition includes, inter alia, a new hazard class for desensitized explosives and a new hazard category for pyrophoric gases; miscellaneous

amendments intended to further clarify the criteria for some hazard classes (explosives, specific target organ toxicity following single exposure, aspiration hazard, and hazardous to the aquatic environment) and to complement the information to be included in section 9 of the Safety Data Sheet; revised and further rationalized precautionary statements; and an example of labelling of a small packaging in Annex 7.

**Corporate Social Responsibility in the Maritime Industry** Martinus Nijhoff Publishers

Marine debris is a serious environmental problem. To do its part, the United States has agreed to abide by the international treaty for garbage control at sea, known as MARPOL 73/78 Annex V. *Clean Ships, Clean Ports, Clean Oceans* explores the challenge of translating Annex V into workable laws and regulations for all kinds of ships and boats, from cruise ships to fishing crafts and recreational boats. The volume examines how existing resources can be leveraged into a comprehensive strategy for compliance, including integrated waste management systems and effective enforcement. *Clean Ships,*

*Clean Ports, Clean Oceans* describes both progress toward and obstacles to Annex V compliance. The book covers How shipborne garbage originates and what happens to garbage discharged into the seas. Effects of discharge on human health, wildlife safety, and aesthetics. Differences in perspective among military, industrial, and recreational seafarers and shoreside facilities. *Clean Ships, Clean Ports, Clean Oceans* will be important to marine policymakers, port administrators, ship operations officers, maritime engineers, and marine ecologists.

**Clean Ships, Clean Ports, Clean Oceans** International Maritime Organization

This Yearbook brings together information concerning Spanish legal practice and a bibliography over the period of one year and makes it available to an international readership. It deals with both private and public international law, taken in a broad sense to include summary treatment of international organizations of which Spain is a member.

*Navigation, Security and Sovereignty in the North American Arctic* Inter-Governmental Maritime

The "Spanish Yearbook of International Law" brings together information concerning Spanish legal practice and a bibliography over the period of one year and makes it available to an international readership. It serves as a vehicle for furthering knowledge of Spanish practice in the field of international law among an audience with no knowledge of Spanish. It deals with both private and public international law, taken in a broad sense to include summary treatment of international organizations of which Spain is a member.

*The International Legal Framework for the Protection of the Marine Environment* Martinus Nijhoff Publishers

This book addresses the environmental, legal, social, and economic aspects of corporate social responsibility in the maritime industry. It discusses the voluntary aspects of the CSR concept and how the lines between informal and formal rules are merging and becoming fuzzy. Further, it shows how regulation is enhancing responsibility and sustainability in the maritime industry. The book gathers the experiences of the WMU, IMO, UN and public and private actors in developing

and developed countries in the maritime industry.

*Procedures for Port State Control 2019*  
BRILL

The Arctic, long described as the world's last frontier, is quickly becoming our first frontier—the front line in a world of more diffuse power, sharper geopolitical competition, and deepening

interdependencies between people and nature. A space of often-bitter cold, the Arctic is the fastest-warming place on earth. It is humanity's canary in the coal mine—an early warning sign of the world's climate crisis. The Arctic “regime” has pioneered many innovative means of governance among often-contentious state and non-state actors. Instead of being the “last white dot on the map,” the

Arctic is where the contours of our rapidly evolving world may first be glimpsed. In this book, scholars and practitioners—from Anchorage to Moscow, from Nuuk to Hong Kong—explore the huge political, legal, social, economic, geostrategic and environmental challenges confronting the Arctic regime, and what this means for the future of world order.