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### KEY=SIRE - SUTTON STEWART

**Condition Assessment Scheme IMO Publishing** The Condition Assessment Scheme (CAS) for oil tankers was adopted in 2001 and is applicable to all single-hull tankers of 15 years or older. Although the CAS does not specify structural standards in excess of the provisions of other IMO conventions, codes and recommendations, its requirements stipulate more stringent and transparent verification of the reported structural condition of the ship and that documentary and survey procedures have been properly carried out and completed. The Scheme requires that compliance with the CAS is assessed during the Enhanced Survey Program of Inspections concurrent with intermediate or renewal surveys currently required by resolution A.744(18), as amended.--Publisher's description. **Port and Terminal Facilities Effective Mooring** Mooring is one of the most complex and dangerous operations for ship and terminal crew. If something goes wrong, the consequences can be severe. Effective Mooring gives crew a general introduction to mooring and guidance on how to stay safe during mooring operations. It is written in an easy-to-understand style for seafarers worldwide and can be used as a training guide for both new and experienced crew. Produced by the Oil Companies International Marine Forum (OCIMF), the book is written for crew on board oil tankers, barges and terminals, but the principles can be applied to any vessel. **Guidelines for Offshore Tanker Operations Offshore Vessel Management and Self Assessment (OVMSA) A Best Practice Guide for Offshore Vessel Operators Anchor Books** OCIMF's Offshore Vessel Management and Self Assessment (OVMSA) programme has been developed as a tool to help operators of offshore vessels to assess, measure and improve their management systems. In this guide, the range of different offshore vessels and units are commonly referred to as 'vessels'. **Oil Spill Risks From Tank Vessel Lightering National Academies Press** The safety record of lightering (the transfer of petroleum cargo at sea from a large tanker to smaller ones) has been excellent in U.S. waters in recent years, as evidenced by the very low rate of spillage of oil both in absolute terms and compared with all other tanker-related accidental spills. The lightering safety record is likely to be maintained or even improved in the future as overall quality improvements in the shipping industry are implemented. Risks can be reduced even further through measures that enhance sound lightering standards and practices, support cooperative industry efforts to maintain safety, and increase the availability of essential information to shipping companies and mariners. Only continued vigilance and attention to safety initiatives can avert serious accidents involving tankers carrying large volumes of oil. **Inert Gas Systems IMO Publishing** This publication contains the text of guidelines for inert gas systems and relevant IMO documents on inert gas systems and supersedes the publication 860.83.15.E. **CARGO GUIDELINES FOR F(P)SOS. Guidelines for the Control and Management of Ships' Ballast Water to Minimize the Transfer of Harmful Aquatic Organisms and Pathogens Resolution A.868(20) IMO Publishing Ship to Ship Transfer Guide for Petroleum, Chemicals and Liquefied Gases** General principles. Conditions and requirements. Communications general communications, language, pre arrival communications. **Quality Shipping Market Mechanisms for Safer Shipping and Cleaner Oceans Erasmus Publishing Tanker Management and Self Assessment A Best-practice Guide for Ship Operators Trends and Challenges in Maritime Energy Management Springer** This book provides an overview of contemporary trends and challenges in maritime energy management (MEM). Coordinated action is necessary to achieve a low carbon and energy-efficient maritime future, and MEM is the prevailing framework aimed at reducing greenhouse gas emissions resulting from maritime industry activities. The book familiarizes readers with the status quo in the field, and paves the way for finding solutions to perceived challenges. The 34 contributions cover six important aspects: regulatory framework; energy-efficient ship design; energy efficient ship and port operation; economic and social dimensions; alternative fuels and wind-assisted ship propulsion; and marine renewable energy. This pioneering work is intended for researchers and academics as well as practitioners and policymakers involved in this important field. **Condition Assessment of Aged Structures Elsevier** Any structural system in service is subject to age-related deterioration, leading to potential concerns regarding maintenance, health & safety, environmental and economic implications. Condition assessment of aged structures is an invaluable, single source of information on structural assessment techniques for marine and land-based structures such as ships, offshore installations, industrial plant and buildings. Topics covered include: - Current practices and standards for structural condition assessment - Fundamental mechanisms and advanced mathematical methods for predicting structural deterioration - Residual strength assessment of deteriorated structures - Inspection and maintenance of aged structures - Reliability and risk assessment of aged structures Professionals from a broad range of disciplines will be able to gain a better understanding of current practices and standards for structural condition assessment or health monitoring, and what future trends might be. Single source of information on structural assessment techniques for marine and land-based structures Examines the residual strength and reliability of aged structures Assesses current practices covering inspection, health monitoring and maintenance **Tanker Vetting Understanding the Issues Involved Marketing of Shipping Companies A Tool for Improvement of Chartering Policy Commercial Ship Surveying On/Off Hire Condition Surveys and Bunker Surveys Butterworth-Heinemann Commercial Ship Surveying: On/Off Hire Condition Surveys and Bunker Surveys** provides guidance on the complete survey process, what should be done to prepare, and what constitutes good practice, all completely detailed so that the process can be executed quickly and efficiently. In addition to the surveying process, the book describes supplementary topics, such as the vessels likely encountered, the gear and rigging involved, and the special techniques necessary. The book is well-researched, with plenty of practical examples and photographic references, explaining not only what is expected to happen during surveys, but also how marine surveyors and ships' officers are expected to perform, if, and when, they become involved with this work. Dedicated to detail, this book ensures that the reader clearly understands each step of the surveying process. Presents the first work to comprehensively describe the processes of on-hire, off-hire, and bunker surveys for dry cargo ships Includes a companion site featuring survey checklists and Excel worksheets for select calculations (such as heavy fuel and diesel oil weight calculations) Contains accompanying illustrations and photographs to clarify key concepts **OSV Chemical Code** This present Code has been developed for the design, construction and operation of offshore support vessels (OSVs) which transport hazardous and noxious liquid substances in bulk for the servicing and resupplying of offshore platforms, mobile offshore drilling units and other offshore installations, including those employed in the search for and recovery of hydrocarbons from the seabed. The basic philosophy of the present Code is to apply standards contained in the Code and the International Code of the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) and in the International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code) to the extent that is practicable and reasonable taking into account the unique design features and service characteristics of OSVs. **Recommendations for Oil and Chemical Tanker Manifolds And Associated Equipment A Holistic Approach to Ship Design Volume 1: Optimisation of Ship Design and Operation for Life Cycle Springer** This book introduces a holistic approach to ship design and its optimisation for life-cycle operation. It deals with the scientific background of the adopted approach and the associated synthesis model, which follows modern computer aided engineering (CAE) procedures. It integrates techno-economic databases, calculation and multi-objective optimisation modules and s/w tools with a well-established Computer-Aided Design (CAD) platform, along with a Virtual Vessel Framework (VVF), which will allow virtual testing before the building phase of a new vessel. The resulting graphic user interface (GUI) and information exchange systems enable the exploration of the huge design space to a much larger extent and in less time than is currently possible, thus leading to new insights and promising new design alternatives. The book not only covers the various stages of the design of the main ship system, but also addresses relevant major onboard systems/components in terms of life-cycle performance to offer readers a better understanding of suitable outfitting details, which is a key aspect when it comes the outfitting-intensive products of international shipyards. The book disseminates results of the EU funded Horizon 2020 project HOLISHIP. **Ship Design Methodologies of Preliminary Design Springer** This book deals with ship design and in particular with methodologies of the preliminary design of ships. The book is complemented by a basic bibliography and five appendices with useful updated charts for the selection of the main dimensions and other basic characteristics of different types of ships (Appendix A), the determination of hull form from the data of systematic hull form series (Appendix B), the detailed description of the relational method for the preliminary estimation of ship weights (Appendix C), a brief review of the historical evolution of shipbuilding science and technology from the prehistoric era to date (Appendix D) and finally a historical review of regulatory developments of ship's damage stability to date (Appendix E). The book can be used as textbook for ship design courses or as additional reading for university or college students of naval architecture courses and related disciplines; it may also serve as a reference book for naval architects, practicing engineers of related disciplines and ship officers, who like to enter the ship design field systematically or to use practical methodologies for the estimation of ship's main dimensions and of other ship main properties and elements of ship design. **International Safety Guide for Oil Tankers & Terminals (ISGOTT) Hyperion Books The Electronic Chart Display and Information System (ECDIS): An Operational Handbook CRC Press** Electronic navigation, although still relatively new, is becoming increasingly more common, particularly on commercial vessels. This handbook offers a wealth of detailed information about how different charting systems operate and answers the most commonly asked questions regarding electronic charts (ENC, RNC, DNC) and electronic chart systems (ECD **The Checklist Manifesto How to Get Things Right Metropolitan Books** The New York Times bestselling author of *Being Mortal* and *Complications* reveals the surprising power of the ordinary checklist We live in a world of great and increasing complexity, where even the most expert professionals struggle to master the tasks they face. Longer training, ever more advanced technologies—neither seems to prevent grievous errors. But in a hopeful turn, acclaimed surgeon and writer Atul Gawande finds a remedy in the humblest and simplest of techniques: the checklist. First introduced decades ago by the U.S. Air Force, checklists have enabled pilots to fly aircraft of mind-boggling sophistication. Now innovative checklists are being adopted in hospitals around the world, helping doctors and nurses respond to everything from flu epidemics to avalanches. Even in the immensely complex world of surgery, a simple ninety-second variant has cut the rate of fatalities by more than a third. In riveting stories, Gawande takes us from Austria, where an emergency checklist saved a drowning victim who had spent half an hour underwater, to Michigan, where a cleanliness checklist in intensive care units virtually eliminated a type of deadly hospital infection. He explains how checklists actually work to prompt striking and immediate improvements. And he follows the checklist revolution into fields well beyond medicine, from disaster response to investment banking, skyscraper construction, and businesses of all kinds. An intellectual adventure in which lives are lost and saved and one simple idea makes a tremendous difference, *The Checklist Manifesto* is essential reading for anyone working to get things right. **Commercial Marine Shipping Accidents Understanding the Risks in Canada Council of Canadian Academies** Canada's economic and social development has benefited immensely from centuries of marine shipping. Today, the industry supports economies from coast to coast to coast, shipping hundreds of millions of tonnes of cargo, ranging from fuels to food, to consumer goods lining store shelves. The shipping industry is important to the livelihood of Canadians, but has also faced increased public scrutiny in recent years. The risks associated with opening the Arctic to greater ship traffic, increasing marine shipments of oil from Canada's oil sands, and the growth in vessel size, especially of container ships, have all contributed to this discussion. Recognizing the need for consensus-building research in this area, the Clear Seas Centre for Responsible Marine Shipping asked the Council of Canadian Academies to convene an expert workshop to identify the risks associated with commercial marine shipping in major Canadian shipping regions. The final workshop report, *Commercial Marine Shipping Accidents: Understanding the Risks in Canada*, identifies the risks of commercial marine shipping accidents across Canada's regions and for different cargo types, while highlighting gaps in understanding and areas for further research. The workshop report brings together perspectives from academia, government, and industry and is informed by evidence from a survey of the marine shipping community and an extensive review of the existing literature. It can be used as a tool for policy-makers to help inform decisions related to managing the risks of commercial marine shipping accidents. Overall, this workshop report seeks to contribute to a national dialogue about acceptable levels of risk in commercial marine shipping. **STS SERVICE PROVIDER MANAGEMENT AND SELF ASSESSMENT, SECOND EDITION 2020 Crude Oil Washing Systems Including Amendments Adopted by the MEPC at Its Forty-third Session (28 June to 2 July 1999) and by the Assembly at Its Twenty-first Session (15 to 26 November 1999) IMO Publishing www.owaysonline.com ASM / MASTERS - Theory - from March'15 to July'16 - By Capt. Rohit Pandey www.owaysonline.com www.owaysonline.com ASM / MASTERS - Theory - from March'15 to July'16 - By Capt. Rohit Pandey www.owaysonline.com Oways Visit - www.owaysonline.com for cheapest notes ASM / MASTERS - Theory - from March'15 to July'16 - By Capt. Rohit Pandey **Shipbroking and Chartering Practice Taylor & Francis** Now in its eighth edition, this classic text is a first point of reference for anyone looking to obtain an understanding of chartering and shipbroking practice. It provides hands-on, commercially-focused explanations of chartering business and invaluable advice on how the**

shipping market operates across a broad range of topics. The authors also deal expertly with the legal, financial, operational and managerial aspects of chartering, offering numerous case studies which clearly link theory to practice. This new edition has been fully revised and updated to reflect the current trends in chartering practice, legal developments and standard forms of charterparties. New to this edition: Enriched with practical examples covering crucial aspects of chartering and shipbroking business, such as voyage estimations, freight conversions and tanker calculations. New material on day-to-day laytime principles, including "Laytime Definitions for Charterparties 2013", associated commentary and relevant examples. Shipping Marketing as a modern tool of improving chartering and shipbroking business. Expanded coverage of the economic background of chartering, including markets, vessels, cargoes, trades and fixtures. Freight rates for all vessel types from 1980 to 2015. Updated review of well-known standard charterparty documents (including NYPE 2015), together with clauses and wordings commonly applying to various charter types. Analytical glossary containing typical terms and abbreviations used in chartering negotiations. This book is an essential guide for practitioners in private practice and in-house for shipowners and cargo houses, as well as those studying shipbroking and chartering. **Tanker Safety Guide Liquefied Gas** IMO carriage requirement on board LNG Tankers. Looseleaf operating manual for anyone engaged in the carriage of liquefied gases by sea. Provides detailed information on the characteristics of liquefied gases, precautions, hazards and emergency procedures. A series of appendices provide additional information, including chemical data sheets for all liquefied gases carried by sea. **Tanker Safety Guide (Liquefied Gas) quantity. The Use of Large Tankers in Seasonal First-year Ice and Severe Sub-zero Conditions** With the changes that have occurred in the Russian Federation, the tanker market has experienced an increase in the export of crude oil by large tankers from Baltic terminals impacted by the potential for winter ice navigation. This trend has continued elsewhere in the world as crude export terminals have been established or are planned in other ice navigation areas, such as the Barents Sea, White Sea and in proximity to Sakhalin Island (Eastern Russian Federation). Some sectors of the industry have been used to dealing with the more traditional high ice class, smaller tankers designed specifically for escorted or unescorted ice transit. What is relatively new to the industry is the increase in demand for larger-sized crude tankers of low, or no, ice class to trade out of an increasing number of ports subjected to first-year ice formation. Areas commonly affected by first-year ice include the Baltic Sea, White Sea, Barents Sea, the Eastern coast of Canada, Cook Inlet and in the proximity of Sakhalin Island in the Eastern Russian Federation. The guidance is primarily aimed at the use of low, or no, ice class tankers, from 50,000 tonnes deadweight upwards, likely to encounter first-year ice. **Management of Shipping Companies Routledge** The maritime sector is dynamic and volatile, creating the need for continuous monitoring of the latest developments and their effects on the organisation, management and strategies of shipping companies. This book analyses the business environment of these companies and the approaches they adopt in organising and managing their activities. Management of Shipping Companies aims to facilitate the learning and understanding of the fascinating world of shipping business. It examines the organisation and management of companies which manage ocean-going ships, emphasising the special characteristics of the industry and the framework created by these. This textbook offers a detailed account of the companies' processes and functions, the structural and contextual dimensions of their organisation, as well as an analysis of human resources, safety management and the outsourcing of shipping operations. Written in an easily digestible and critical manner, it includes case studies and analysis of best practices implemented by companies worldwide. This unique and accessible book is an ideal text for students in maritime studies programs as well as readers interested in learning about maritime businesses' organisation and management. **Double-Hull Tanker Legislation An Assessment of the Oil Pollution Act of 1990 National Academies Press** The passage of the Oil Pollution Act of 1990 (OPA 90) by Congress and subsequent modifications of international maritime regulations resulted in a far-reaching change in the design of tank vessels. Double-hull rather than single-hull tankers are now the industry standard, and nearly all ships in the world maritime oil transportation fleet are expected to have double hulls by about 2020. This book assesses the impact of the double hull and related provisions of OPA 90 on ship safety, protection of the marine environment, and the economic viability and operational makeup of the maritime oil transportation industry. The influence of international conventions on tank vessel design and operation is addressed. Owners and operators of domestic and international tank vessel fleets, shipyard operators, marine architects, classification societies, environmentalists, and state and federal regulators will find this book useful. **Ship to Ship Service Provider Management Incorporating STS Service Provider Self Assessment Oil Spills First Principles Prevention and Best Response Elsevier** Marine oil spills are no longer considered unavoidable "accidents" resulting from adverse environmental conditions or functions of catastrophic events. More than 80% of all spills are the result of "human error". The focus of the current legal, regulatory, and convention framework affecting the transportation of oil by ship reflects a recent change in public attitude, in which there is an insistence upon protection of the world's marine environments, particularly coastal ecosystems. The outcome of such global attention is the creation of significant legal and political motivators for a cultural shift by the oil shipping industry, from an "evasion culture" to a "safety culture". The new safety culture connotes continuous improvement in ship operations and a willingness to adopt the evolving concepts of communication at all levels, better trained and qualified personnel on board ship, emphasis of safety from top down, and proactive institution of safety management systems. Mere compliance with international and national laws is no longer sufficient for future sustainable shipping. These changes and advancements in understanding the science and engineering of oil spills are the focus of this book on Oil Spills First Principles. They are Prevention, based upon adoption of the safety culture, and Best Response, utilizing scientific, technical and environmental data and information. Over the past 30 years, billions of US dollars have been spent in R&D planning, response and clean up of oil spills. All of these efforts have focused on achieving Best Response. The concept of time periods of "Technology Windows-of-Opportunity" for a given response and clean up technology has developed from the leadership and wisdom of researchers and responders from many nations using modeling of the weathering of spilled oil and technology effectiveness. The Windows-of-Opportunity strategy provides a scientific basis for policy and decision-making in oil spill planning, response, and training. A global paradigm shift is needed to more effectively utilize and expedite the application of lessons learned in both prevention and clean up. Recognition of economic, political, and legal benefits accruing from environmental protection is good for business and critical for sustainable shipping. **Guide to Helicopter - Ship Operations Hyperion Books Review of Maritime Transport 2017 UN** With over 80 per cent of global trade by volume and more than 70 per cent of its value being carried on board ships and handled by seaports worldwide, the importance of maritime transport for trade and development cannot be overemphasized. The 2017 Review of Maritime Transport presents and discusses key developments in the world economy and international trade and related impacts on shipping demand and supply, freight and charter markets, as well as seaports and the regulatory and legal framework. In addition to relevant developments in 2016 and the first half of 2017, this year's edition of the Review also features a special chapter on maritime transport connectivity, reflecting the prominence of physical and electronic connectivity as a priority area in the trade and development policy agenda. **Ship-Shaped Offshore Installations Design, Building, and Operation Cambridge University Press** Ship-shaped offshore units are some of the more economical systems for the development of offshore oil and gas, and are often preferred in marginal fields. These systems are especially attractive to develop oil and gas fields in deep and ultra-deep water areas and remote locations away from existing pipeline infrastructures. Recently, the ship-shaped offshore units have been applied to near shore oil and gas terminals. This 2007 text is an ideal reference on the technologies for design, building and operation of ship-shaped offshore units, within inevitable space requirements. The book includes a range of topics, from the initial contracting strategy to decommissioning and the removal of the units concerned. Coverage includes both fundamental theory and principles of the individual technologies. This book will be useful to students who will be approaching the subject for the first time as well as designers working on the engineering for ship-shaped offshore installations. **Procedures for Port State Control 2019** This publication provides guidance to port State control officers (PSCOs) on the conduct of inspections of foreign ships, in order to promote consistency in the way inspections are carried out worldwide, and to harmonize the criteria for deciding on deficiencies found on board relating to the ship, its equipment or its crew, as well as the application of procedures. **Review of Maritime Transport 2020** This series contains the decisions of the Court in both the English and French texts.