

Mooring Equipment Guidelines 3rd Edition Ocimf

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Ship to Ship Transfer Guide for Petroleum, Chemicals and Liquefied Gases - 2013

General principles. Conditions and requirements.

Communications general communications, language, pre arrival communications.

Guide to manufacturing and

purchasing hoses for offshore moorings (GMPHOM 2009) - 2009

Inert Gas Systems - 1990

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.

Wärtsilä Encyclopedia of Ship Technology - 2015

Offshore Vessel Management and Self Assessment (OVMSA) - Oil Companies International Marine Forum 2012
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'.

Liquefied Gas Handling Principles on Ships and in Terminals - Graham McGuire 2016

Guide to Helicopter - Ship Operations - International Chamber of Shipping 1989-01-01

PERIL AT SEA AND SALVAGE - INTERNATIONAL CHAMBER OF SHIPPING OIL

COMPANIES INTERNATIONAL MARINE FORUM. 2020

Computational Ship Design - Myung-Il Roh 2017-09-29

This book offers an introduction to the fundamental principles and systematic methodologies employed in computational approaches to ship design. It takes a detailed approach to the description of the problem definition, related theories, mathematical formulation, algorithm selection, and other core design information. Over eight chapters and appendices the book covers the complete process of ship design, from a detailed description of design theories through to cutting-edge applications. Following an introduction to relevant terminology, the first chapters consider ship design equations and models, freeboard calculations, resistance prediction and power estimation. Subsequent chapters cover topics including propeller design, engine selection, hull form design, structural design and

outfitting. The book concludes with two chapters considering operating design and economic factors including construction costs and fuel consumption. The book reflects first-hand experiences in ship design and R&D activities, and incorporates improvements based on feedback received from many industry experts. Examples provided are based on genuine case studies in the field. The comprehensive description of each design stage presented in this book offers guidelines for academics, researchers, students, and industrial manufactures from diverse fields, including ocean engineering and mechanical engineering. From a commercial point of view the book will be of great value to those involved in designing a new vessel or improving an existing ship.

Handbook of Offshore Engineering (2-volume Set) -

Subrata Chakrabarti

2005-08-19

* Each chapter is written by one or more invited world-

renowned experts *

Information provided in handy reference tables and design charts * Numerous examples demonstrate how the theory outlined in the book is applied in the design of structures Tremendous strides have been made in the last decades in the advancement of offshore exploration and production of minerals. This book fills the need for a practical reference work for the state-of-the-art in offshore engineering. All the basic background material and its application in offshore engineering is covered.

Particular emphasis is placed in the application of the theory to practical problems. It includes the practical aspects of the offshore structures with handy design guides, simple description of the various components of the offshore engineering and their functions. The primary purpose of the book is to provide the important practical aspects of offshore engineering without going into the nitty-gritty of the actual detailed design. ·

Provides all the important

practical aspects of ocean engineering without going into the 'nitty-gritty' of actual design details. · Simple to use - with handy design guides, references tables and charts. · Numerous examples demonstrate how theory is applied in the design of structures

Guidelines for the Design, Operation and Maintenance of Multi Buoy Moorings - Oil Companies International Marine Forum 2010

A Master's Guide to Berthing - Eric Murdoch 2004

Port Designer's Handbook - Carl A. Thoresen 2003

Over the past twenty years there has been considerable improvement and new information in the design of port and berth structures. This handbook reflects the latest progress and developments in navigation safety, port planning and site selection, layout of container, oil and gas terminals, cargo handling, berth design and construction, fender and mooring principles.

It presents guidelines and recommendations for the main items and assumptions in the layout, design and construction of modern port structures, and the forces and loadings acting on them. The book provides an evaluation of different designs and construction methods for port and berth structures, and recommendations given by the different international harbour standards and recommendations. Practising harbour and port engineers and students will find the handbook an invaluable source of information.

Safety and Health in Ports - International Labour Office 2005

Port work is still considered an occupation with very high accident rates. This essential code of practice, intended to replace both the second edition of the ILO Code of Practice on Safety and Health in Dock Work (1977) and the ILO Guide to Safety and Health in Dock Work (1976), provides valuable advice and assistance to all those charged with the management, operation,

maintenance and development of ports and their safety. Offering many detailed technical illustrations and examples of good practice, the provisions of this code cover all aspects of port work where goods or passengers are loaded or unloaded to or from ships. It is not limited to international trade but applies equally to domestic operations, including those on inland waterways. New topics are: traffic and vehicular movements of all types; activities on shore and on ship; amended levels of lighting provision; personal protective equipment; ergonomics; provisions for disabled persons; and the specific handling of certain cargoes, for example logs, scrap metal and dangerous goods.

Recommendations for Oil and Chemical Tanker Manifolds - 2017

Tanker Safety Training -
Seamanship International Ltd
2007

International Safety Guide

for Oil Tankers & Terminals (ISGOTT) - 1996

Quay Walls, Second Edition -
J.G. de Gijt 2013-12-02

This new edition of the handbook of Quay Walls provides the reader with essential knowledge for the planning, design, execution and maintenance of quay walls, as well as general information about historical developments and lessons learned from the observation of ports in various countries. Technical chapters are followed by a detailed calculation of a quay wall based on a semi-probabilistic design procedure, which applies the theory presented earlier. Since the publication of the Dutch edition in 2003 and the English version in 2005, considerable new experience has been obtained by the many practitioners using the book, prompting the update of this handbook. Moreover, the introduction of the Eurocodes in 2012 has prompted a complete revision of the Design chapter, which is now compliant with the Eurocodes.

Furthermore, additional recommendations for using FEM-analysis in quay wall design have been included. In response to ongoing discussions within the industry about buckling criteria for steel pipe piles, a thorough research project was carried out on steel pipe piles filled with sand and on piles without sand. The results of this research programme have also been incorporated in this new version. Finally, the section on corrosion has been updated to reflect the latest knowledge and attention has been given to the latest global developments in quay wall engineering. The new edition was made possible thanks to the contributions of numerous experts from the Netherlands and Belgium.

Mooring Equipment Guidelines
- OCIMF. 2018

Maritime Technology and Engineering III - Carlos Guedes Soares 2016-12-01
Maritime Technology and Engineering 3 is a collection of papers presented at the 3rd International Conference on

Maritime Technology and Engineering (MARTECH 2016, Lisbon, Portugal, 4-6 July 2016). The MARTECH Conferences series evolved from biannual national conferences in Portugal, thus reflecting the internationalization of the maritime sector. The keynote lectures and the papers, making up nearly 150 contributions, came from an international group of authors focused on different subjects in a variety of fields: Maritime Transportation, Energy Efficiency, Ships in Ports, Ship Hydrodynamics, Ship Structures, Ship Design, Ship Machinery, Shipyard Technology, safety & Reliability, Fisheries, Oil & Gas, Marine Environment, Renewable Energy and Coastal Structures. Maritime Technology and Engineering 3 will appeal to academics, engineers and professionals interested or involved in these fields.

Marine Navigation and Safety of Sea Transportation - Adam Weintritt 2013-06-04
The TransNav 2013

Symposium held at the Gdynia Maritime University, Poland in June 2013 has brought together a wide range of participants from all over the world. The program has offered a variety of contributions, allowing to look at many aspects of the navigational safety from various different points of view. Topics presented and discussed at the Symposium were: navigation, safety at sea, sea transportation, education of navigators and simulator-based training, sea traffic engineering, ship's manoeuvrability, integrated systems, electronic charts systems, satellite, radio-navigation and anti-collision systems and many others. This book is part of a series of four volumes and provides an overview of Transport and Shipping and is addressed to scientists and professionals involved in research and development of navigation, safety of navigation and sea transportation.

Jetties and Wharfs - Crow
2021-04-04

For centuries, jetties and wharfs have been designed and built around the world and play an important role in contemporary ports. The difference in the use of jetties, piers and wharfs is that jetties are frequently used for the transshipment and storage of light materials and ro-ro traffic, while piers are generally used for heavy loads like iron ore. That is why piers are mostly designed and constructed like quay walls (which are beyond the scope of this handbook). The designs were originally based on trial and error and the insights of those who dared to conquer local conditions, such as wind, waves, currents and soil composition. Design and construction techniques have since evolved into the designs we see on the coast or in river ports and seaports nowadays. The purpose of this handbook is to provide insight and guidelines regarding aspects that are important in the design of jetties and wharfs. Jetty-specific issues such as loads, interfaces between materials,

installations on jetties and wharfs, as well as detailing aspects, are also covered. This handbook is part of a series of Dutch port infrastructure design recommendations that include the Quay Walls handbook and Jetties and Wharfs handbook.

Mooring Equipment Guidelines
- 1997-01-01

Tandem Mooring and Offloading Guidelines for Conventional Tankers at F(P)SO Facilities - Oil Companies International Marine Forum 2009
Intended to familiarise Masters, ship operators, F(P)SO Operators and project development teams with the general principles and equipment involved in F(P)SO - CT operations, these guidelines provide an understanding of the issues including design, equipment, operations, and environmental limitations in operation.

International Code on Intact Stability, 2008 - International Maritime Organization 2009
The International Code on

Intact Stability 2008 (2008 IS Code), presents mandatory and recommendatory stability criteria and other measures for ensuring the safe operation of ships, to minimize the risk to such ships, to the personnel on board and to the environment. The 2008 IS Code took effect on 1 July 2010. The 2008 IS Code features: a full update of the previous IS Code; criteria based on the best state-of-the-art concepts available at the time they were developed, taking into account sound design and engineering principles and experience gained from operating ships; influences on intact stability such as the dead ship condition, wind on ships with large windage area, rolling characteristics and severe seas. This publication also presents Explanatory Notes to the 2008 IS Code, intended to provide administrations and the shipping industry with specific guidance to assist in the uniform interpretation and application of the intact stability requirements of the 2008 IS Code.

Handbook of Marine Craft Hydrodynamics and Motion Control

- Thor I. Fossen
2021-04-16

Handbook of MARINE CRAFT HYDRODYNAMICS AND MOTION CONTROL The latest tools for analysis and design of advanced GNC systems Handbook of Marine Craft Hydrodynamics and Motion Control is an extensive study of the latest research in hydrodynamics, guidance, navigation, and control systems for marine craft. The text establishes how the implementation of mathematical models and modern control theory can be used for simulation and verification of control systems, decision-support systems, and situational awareness systems. Coverage includes hydrodynamic models for marine craft, models for wind, waves and ocean currents, dynamics and stability of marine craft, advanced guidance principles, sensor fusion, and inertial navigation. This important book includes the latest tools for analysis and

design of advanced GNC systems and presents new material on unmanned underwater vehicles, surface craft, and autonomous vehicles. References and examples are included to enable engineers to analyze existing projects before making their own designs, as well as MATLAB scripts for hands-on software development and testing. Highlights of this Second Edition include: Topical case studies and worked examples demonstrating how you can apply modeling and control design techniques to your own designs A Github repository with MATLAB scripts (MSS toolbox) compatible with the latest software releases from Mathworks New content on mathematical modeling, including models for ships and underwater vehicles, hydrostatics, and control forces and moments New methods for guidance and navigation, including line-of-sight (LOS) guidance laws for path following, sensory systems, model-based navigation systems, and inertial

navigation systems This fully revised Second Edition includes innovative research in hydrodynamics and GNC systems for marine craft, from ships to autonomous vehicles operating on the surface and under water. Handbook of Marine Craft Hydrodynamics and Motion Control is a must-have for students and engineers working with unmanned systems, field robots, autonomous vehicles, and ships. MSS toolbox:

<https://github.com/cybergalactic/mss> Lecture notes:

<https://www.fossen.biz/wiley>

Author's home page:

<https://www.fossen.biz>

Guidelines for the Purchasing and Testing of Spm Hawsers - Oil Companies International Marine Forum 2000-01-01

Mooring Equipment

Guidelines 3 - 2008

This third edition provides a major revision and update to the original content and reflects changes in ship and terminal design, operating practices and advances in

technology. These guidelines cover the minimum recommended OCIMF mooring requirements.

U.S. Navy Towing Manual - Naval Sea Systems Command 2002

Effective Mooring - OCIMF. 2019

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.

Competence Assurance Guidelines for Mooring,

Loading and Lightering

Masters - Oil Companies
International Marine Forum
2014

"This OCIMF publication contains recommendations provided with the aim of supporting a marine facility's competence development programmes for Mooring Masters."--Website.

Recommendations for Equipment Employed in the Bow Mooring of Conventional Tankers at Single Point Moorings - 2007

An industry guide for the tandem mooring of conventional tankers at FPSO/FSOS using the same shipboard mooring equipment as recommended for all SPMs.

Oil Spill Risks From Tank Vessel Lightering - Division on Engineering and Physical Sciences 1998-11-24

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.

Condition Assessment Scheme - International Maritime Organization 2005

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.

Safety of Marine Transport -
Adam Weintrit 2015-06-03

Providing high-quality, scholarly research, addressing development, application and implications, in the field of maritime education, maritime safety management, maritime policy sciences, maritime industries, marine environment and energy technology. Contents include electronics, astronomy, mathematics, cartography, command and control, psycho

Prevention of Oil Spillages

**Through Cargo Pumproom
Sea Valves - 1991-01-01**

*CARGO GUIDELINES FOR
F(P)SOS.* - OCIMF (OIL
COMPANIES INTERNATIONAL
MARINE FORUM) 2018

**Tanker Management and
Self Assessment - Oil
Companies International
Marine Forum 2004**

*Marine Terminal Baseline
Safety Criteria and Assessment
Questionnaire - 2004-01*

A work that is produced by OCIMF to encourage the uniform assessment of standards of safety and environmental protection at chemical, gas and oil terminals. Guide to Single Point Moorings
- Johan Wichers 2013-07-11

This book covers many different aspects of single point mooring systems. A single point mooring system is used to keep a vessel stationed at a fixed location. These vessels can for instance be a Floating Production Storage and Offloading System or Floating Storage and offloading system.

Hundreds of these systems are operational today. The first part of this book shows a little history of the origins of oil and gas and the current supply and demand for oil. This book also shows some of the history of the development of the single point mooring systems. It also

addresses the many different aspects of designing these types of systems. This book will also go into the detail of the hydrodynamics and loadings that act on these vessels by wind and waves and the behavior of the different types of mooring systems.