1 Overview

1.1 The Functions of the CHARTPILOT

The CHARTPILOT is an item of navigation equipment for the planning, control and monitoring of nautical ship-handling on the basis of an electronic chart. It is designed as a central unit in the integrated navigation system NACOS (i.e. in conjunction with the track control system TRACKPILOT), but is also used without the TRACKPILOT but together with the radars of the.

If the CHARTPILOT is used in the NACOS, it is possible to select by simple switch-over whether it is to act as an ECDIS or as a conning display; when used without a TRACKPILOT, it is used only as an ECDIS:

ECDIS

In Chart mode, the CHARTPILOT is the display medium of the ECDIS, i.e. the electronic chart can be displayed on its monitor, together with present data of own ship (position, course etc.), the targets acquired by an ARPA radar and an AIS system, a safety contour, and other parameters which serve to improve safety.

In Chart mode, the CHARTPILOT meets the "Performance Standards for ECDIS" defined by the IMO/IHO and IHO S-52 ("Specification for Chart Contents and Display Aspects of ECDIS") if it is operated with official electronic charts according to IHO S-57. The CHARTPILOT is compatible to and approved according to Edition 2 of IEC 61174.

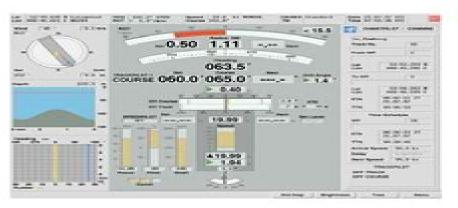
Conning-Display (in the NACOS only)

In Conning mode, the necessary navigation data can be displayed in the form of a conning display for normal sailing (Navigation), for docking manoeuvres (Docking) or for sailing in shallow water (Keel Clearance).

Note for the reader in a hurry: if you wish to get into the functional details immediately, begin at page 25 or

- for Chart mode: with Section 3.3.5 at page 41,
- for Conning mode; at page 361.





Manual Chartpilot 11

U.S. Army Engineer School

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Operator's, Organizational, Direct Support, General Support, and Depot Maintenance Manual (including Repair Parts Information and Supplemental Maintenance Instructions) for Crane, Truck Mounted, Hydraulic, 25 Ton (CCE), Harnischfeger Model MT-250, Non-winterized, NSN 3810-00-018-2021, Harnischfeger Model MT-250, **Lifeboat Manual** Albert E. Redifer.1944 Winterized NSN 3810-00-018-2007 .1986 Bell P-39 Airacobra Pilot's Flight Operating Instructions United States Air Force, 2008-09 The P 39 Airacobra was designed by Bell s brilliant engineer Robert Woods The plane featured a mid engine design intended to allow it to carry a lethal 37mm cannon in the nose An all metal low wing design the P 39 was the first fighter to feature tricycle landing gear The plane debuted in 1939 and proved impressive in tests Yet the aircraft lacked a large fuel capacity that limited range and pilots learned that its performance dropped off markedly at altitudes above 17 000 feet Despite this over 9 500 P 39s were built Almost half were sent to the USSR where Soviet pilots flying low level attack missions achieved devastating results Ace Alexander Pokryshkin flew the plane exclusively and scored nearly 60 kills Originally printed by the USAAF and the RAF this handbook provides a fascinating glimpse inside the cockpit of this warbird Originally classified Restricted the manual was de classified and is here The Motor Cruising Manual John Mellor, 1987 The Control Handbook William S. reprinted in book form Levine, 1996-02-23 This is the biggest most comprehensive and most prestigious compilation of articles on control systems imaginable Every aspect of control is expertly covered from the mathematical foundations to applications in robot and manipulator control Never before has such a massive amount of authoritative detailed accurate and well organized information been available in a single volume Absolutely everyone working in any aspect of systems and controls must have Safe Trajectory Planning for Maritime Surface Ships Agnieszka Lazarowska, 2022-03-25 This book offers a this book comprehensive review of collision avoidance techniques and safe trajectory planning for manned and unmanned ships together with extensive information on how to develop and implement algorithms for applications in real world settings It describes the most relevant decision support systems and guidance systems used in the control of marine craft giving a special emphasis to autonomous vehicles but also covering manned ones Thanks to its good balance of theory and practice and the inclusion of basic explanations of all essential concepts this book fills an important gap in the literature of marine navigation providing not only researchers and practitioners with a timely reference guide to safe trajectory planning but also supporting students and newcomers to the field Monthly Catalogue, United States Public Documents, 1927-07

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