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Carderock Division
West Bethesda, MD 20817-5700

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Naval Architecture and Engineering Department
Technical Report

NAVSEA INTERACTIVE ELECTRONIC TECHNICAL MANUAL (IETM) VIEWER SOFTWARE PERFORMANCE REQUIREMENTS

by

Stephanie Z. Farina (NSWCCD)

L. John Junod (NSWCCD)

Kathleen A. Moore (NSWCCD)

Lori Westbrook (NSWCCD)

Phil Deuell (AMSEC)

F. Joseph Garner (AMSEC)



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Navsea Tech Manual

United States. Coast Guard



Navsea Tech Manual:

Manuals Combined: U.S. Navy Diving Manual Revision 7 (1 December 2016); A Navy Diving Supervisor's Guide for Safe and Productive Diving Operations; and Guidance For Diving In Contaminated Waters , Over 1 000 total pages

INTRODUCTION 1 1 1 Purpose This chapter provides a general history of the development of military diving operations 1 1 2

Scope This chapter outlines the hard work and dedication of a number of individuals who were pioneers in the development of diving technology As with any endeavor it is important to build on the discoveries of our predecessors and not repeat mistakes of the past 1 1 3 Role of the U S Navy The U S Navy is a leader in the development of modern diving and underwater operations The general requirements of national defense and the specific requirements of underwater reconnaissance demolition ordnance disposal construction ship maintenance search rescue and salvage operations repeatedly give impetus to training and development Navy diving is no longer limited to tactical combat operations wartime salvage and submarine sinkings Fleet diving has become increasingly important and diversified since World War II A major part of the diving mission is inspecting and repairing naval vessels to minimize downtime and the need for dry docking Other aspects of fleet diving include recovering practice and research torpedoes installing and repairing underwater electronic arrays underwater construction and locating and recovering downed aircraft

Description and Application Guide for NAVSEA Standard Technical Manual Identification Numbering System (TMINS). First Revision NAVAL SEA SYSTEMS COMMAND WASHINGTON D C.,1978 The NAVSEA Standard Technical Manual Identification Numbering System TMINS has been promulgated to initiate the implementation of a single significant numbering system for technical manuals procured by the Navy Sea Systems Command The use of the single numbering system will eliminate the confusion in the Fleet that now results from the different numbering systems in use by the former Naval Ships and Naval Ordnance Commands In addition the single numbering system will aid the standardization of cataloging within the Systems Command and will simplify the interfaces between TM data collection and TM information systems This guide has two purposes 1 to explain the concepts of the TMIN System and the composition of the TMINS number and 2 to provide the necessary data for proper application of TMINS numbers The guide is divided into four sections Section I provides the explanation of the system and the composition of the number Section II presents the TMINS application data in the form of alphanumeric codes and code groups Section III summarizes by means of a definitive form the system equipment and project related information necessary for proper assignment of a TMINS number Section IV is an alphabetical index of subjects and commodities within the purview of the TMIN System

Manuals Combined: U.S. Navy ELECTRONICS TECHNICIAN, VOLUMES 01 - 08 , Over 1 300 total pages 14086A Electronics Technician Volume 1 Safety and Administration This is the first volume in the ET Training Series Covers causes and prevention of mishaps handling of hazardous materials identifies the effects of electrical shock purpose of the tag out bill and personnel responsibilities documents and procedures associated with tag out and

identifies primary safety equipment associated with ET work Provides an overview of general and technical administration and logistics Included are descriptions of forms and procedures included in the Maintenance Data System MDS and publications that should be included in a ship s technical library Also included is a basic description of the Naval Supply System and COSAL This volume combines the previous ET volumes 1 2 and has been updated 14087 ELECTRONICS TECHNICIAN VOLUME 02 ADMINISTRATION OBSOLETE no further enrollments allowed Provides an overview of general and technical administration and logistics Included are descriptions of forms and procedures included in the Maintenance Data System MDS and publications that should be included in a ship s technical library Also included is a basic description of the Naval Supply System and COSAL 14088 ELECTRONICS TECHNICIAN VOLUME 03 COMMUNICATIONS SYSTEMS Provides operations related information on Navy communications systems including SAS TEMPEST satellite communications Links 11 4 A and 16 the C2P system and a basic introduction to local area networks LANs 14089 ELECTRONICS TECHNICIAN VOLUME 04 RADAR SYSTEMS Provides a basic introduction to air search surface search ground controlled approach and carrier controlled approach RADAR systems Included are basic terms associated with RADAR systems descriptions of equipment that compose the common systems descriptions of RADAR interfacing procedures and equipment and primary radar safety topics 14090 ELECTRONICS TECHNICIAN VOLUME 05 NAVIGATION SYSTEMS Introduces the primary navigation systems used by U S Navy surface vessels It provides a basic introduction to and explanation of the Ship s Inertial Navigation System SINS the U S Navy Navigation Satellite System NNSS and the NAVSTAR Global Positioning System GPS and associated equipment It then provides an introduction to and explanation of the Tactical Air Navigation system TACAN and its associated equipment The information provided is written at an introductory level and is not intended to be used by technicians for diagnoses or repairs 14091 ELECTRONICS TECHNICIAN VOLUME 06 DIGITAL DATA SYSTEMS Covers the following subject matter on computers and peripherals fundamentals and operations configurations and hardware operator controls and controlling units components and circuits central processing units and buses memories input output and interfacing instructions and man machine interfaces magnetic tape storage magnetic disk storage CD ROM storage printers data conversion devices and switchboards 14092 ELECTRONICS TECHNICIAN VOLUME 07 ANTENNAS AND WAVE PROPAGATION Covers a basic introduction to antennas and wave propagation It includes discussions about the effects of the atmosphere on rf communications the various types of communications and radar antennas in use today and a basic discussion of transmission lines and waveguide theory 14093 ELECTRONICS TECHNICIAN VOLUME 08 SUPPORT SYSTEMS Provides a basic introduction to support systems liquid cooling dry air ac power distribution ship s input and information transfer It includes discussions on configuration operation and maintenance of these systems

Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards United States. Bureau of Naval Personnel,1996-04 Data Systems Technician Training Series Leonard G. Perez,1991 Corrosion Control Manual for

CG-16 Class United States. Naval Ship Systems Command,1985 Electronics Technician Steven Wheeler,1997 **U S Navy Diving Manual: Air diving** ,1988 *Bibliography for Advancement Study* ,1995 **Corrosion Control Manual for FF-1052 Class** United States. Naval Ship Systems Command,1985 **Gas Turbine System Technician 1 & C, Volume 1** Marshall B. Puffenbarger,1987 **Cryptologic Technician Training Series** Milton Charles Georgo,1989 **Manuals Combined: U.S. Navy FIRE CONTROLMAN Volumes 01 - 06 & FIREMAN** , Over 1 600 total pages 14097 FIRE CONTROLMAN SUPERVISOR Covers Fire Controlman supervisor responsibilities organization administration inspections and maintenance supervision and training combat systems subsystems and their maintenance and weapons exercises 14098 FIRE CONTROLMAN VOLUME 01 ADMINISTRATION AND SAFETY Covers general administration technical administration electronics safety and hazardous materials as they pertain to the FC rating 14099A FIRE CONTROLMAN VOLUME 02 FIRE CONTROL SYSTEMS AND RADAR FUNDAMENTALS Covers basic radar systems fire control systems and radar safety as they relate to the Fire Controlman rating 14100 FIRE CONTROLMAN VOLUME 03 DIGITAL DATA SYSTEMS Covers computer and peripheral fundamentals and operations configurations and hardware operator controls and controlling units components and circuits central processing units and buses memories input output and interfacing instructions and man machine interfaces magnetic tape storage magnetic disk storage CD ROM storage printers data conversion devices and switchboards 14101 FIRE CONTROLMAN VOLUME 04 FIRE CONTROL MAINTENANCE CONCEPTS Introduces the Planned Maintenance System and discusses methods for identifying and isolating system faults liquid cooling systems used by Fire Controlmen battery alignment purpose equipment and alignment considerations and radar collimation 14102 FIRE CONTROLMAN VOLUME 05 DISPLAY SYSTEMS AND DEVICES Covers basic display devices and input devices associated with Navy tactical data systems as used by the FC rating 14103 FIRE CONTROLMAN VOLUME 06 DIGITAL COMMUNICATIONS Covers the fundamentals of data communications the Link 11 and Link 4A systems and local area networks 14104A FIREMAN Provides information on the following subject areas engineering administration engineering fundamentals the basic steam cycle gas turbines internal combustion engines ship propulsion pumps valves and piping auxiliary machinery and equipment instruments shipboard electrical equipment and environmental controls Fire Control Technician G 3 & 2 Allen R. Bergeron,1981 **Directives, publications, reports index** United States. Coast Guard,1982 **Bibliography for Advancement Examination Study** ,1994 Gas Turbine System Technician (mechanical) 1 & C, Volume 2 Marshall B. Puffenbarger,1987 **Electrician's Mate 1 & C.** ,1976 **Gas Turbine System Technician (electrical) 3 & 2** Robert W. Gonser,1988 **Damage Controlman 3 & 2** Patrick F. Wilberding,1986

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