

SURFACE VEHICLE RECOMMENDED PRACTICE

Submitted for recognition as an American National Standard

HYDRAULIC SYSTEM DIAGRAMS AND ASSOCIATED TABLES FOR MARINE VEHICLES

Foreword—This Document has not changed other than to put it into the new SAE Technical Standards Board format.

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1. **Scope**—This document establishes the requirements for technical content and format of hydraulic system diagrams. This document does not establish configuration requirements, material, or performance requirements for any system or component identified herein.

1.1 **Field of Application**—The purpose of this document is to specify the minimum technical content of marine and submergence vehicle hydraulic system diagrams and provide a standard format. Diagrams prepared in accordance with this document will be suitable for use in procurement activity, shipboard installation, and technical manuals for use in troubleshooting, operation, and maintenance of the hydraulic system.

2. **References**

2.1 **Applicable Publications**—The following publications form a part of this specification to the extent specified herein.

2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

AS1290—Graphic Symbols for Aircraft Hydraulic and Pneumatic Systems

2.1.2 U.S. GOVERNMENT PUBLICATIONS—Available from Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

2.1.2.1 *Military Specifications*

MIL-S-901—Shock Tests, H.I. (High Impact), Shipboard Machinery Equipment and Systems, Requirements for (Navy)

2.1.2.2 *Military Standards*

DOD-STD-100—Engineering Drawing Practices

2.1.3 FEDERAL CATALOG SYSTEM PUBLICATIONS—Available from Commander, Defense Logistics Services Center, ATTN: DLSC-JBDA, Battle Creek, MI 49017-3084

Commercial and Government Entity (CAGE) Handbook H4/H8

2.1.4 ANSI PUBLICATIONS—Available from American National Standards Institute, 10 East 46th Street, New York, NY 10017.

ANSI B93.31—Multi-Pass Method for Evaluating the Filtration Performance of a Fine Hydraulic Fluid Power Filter Element

ANSI B93.7—Hydraulic Fluid Power - Valves - Mounting Interfaces

ANSI Y14.1—Drawing Sheet Size and Format

ANSI Y14.2—Line Conventions and Lettering

ANSI Y32.10—Graphic Symbols for Fluid Power Diagrams

3. **Definitions**

3.1 **Commercial And Government Entities Code (Cage Codes)**—A five digit code assigned to each manufacturer and supplier doing business with the Federal Government. This code is an abbreviated means of identifying the name, address, and other pertinent informational data of a particular manufacturer or supplier.

3.2 **Component Drawing Number**—The manufacturer's drawing number of the identified component.