

INCH-POUND  
MIL-STD-1399(NAVY)  
SECTION 501A  
11 January 1988  
SUPERSEDING  
MIL-STD-1399(NAVY)  
SECTION 501  
1 December 1970  
(See 8.2)

MILITARY STANDARD  
INTERFACE STANDARD FOR SHIPBOARD SYSTEMS  
SECTION 501  
NOMENCLATURE,  
ELECTRONIC AND WEAPONS CONTROL FUNCTIONS



MIL-STD-1399(NAVY)  
SECTION 501A  
11 January 1988

DEPARTMENT OF THE NAVY  
NAVAL SEA SYSTEMS COMMAND

Washington, DC 20362-5101

Interface Standard for Shipboard Systems,  
Nomenclature, Electronic and Weapons Control Functions

1. This Military Standard is approved for use by the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Sea Systems Command, SEA 5523, Department of the Navy, Washington, DC 20362-5101 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

MIL-STD-1399(NAVY)  
SECTION 501A  
11 January 1988

FOREWORD

The purpose of this section is to establish guidelines which will ensure the application of standard and uniform nomenclature of electronic and weapons control interface functions in order to facilitate installation planning and control and eliminate possible ambiguity at the shipboard installation interface.

MIL-STD-1399(NAVY)  
SECTION 501A  
11 January 1988

CONTENTS

|           |  | <u>Page</u> |
|-----------|--|-------------|
| Paragraph | 1. SCOPE.....                            | 1           |
|           | 1.1 General.....                         | 1           |
|           | 1.2 Scope.....                           | 1           |
|           | 2. REFERENCED DOCUMENTS.....             | 1           |
|           | 2.1 Government documents.....            | 1           |
|           | 2.1.1 Standards.....                     | 1           |
|           | 2.2 Order of precedence.....             | 1           |
|           | 3. DEFINITIONS.....                      | 1           |
|           | 3.1 Interface function.....              | 1           |
|           | 3.2 Interface function term.....         | 1           |
|           | 4. REQUIREMENTS.....                     | 1           |
|           | 5. DESCRIPTION AND APPLICATION.....      | 2           |
|           | 5.1 Description.....                     | 2           |
|           | 5.2 Application.....                     | 2           |
|           | 6. DEVIATIONS.....                       | 2           |
|           | 6.1 Terms not available.....             | 2           |
|           | 6.2 Reporting procedure.....             | 2           |
|           | 7. REPORTS AND CORRESPONDENCE.....       | 2           |
|           | 8. NOTES.....                            | 2           |
|           | 8.1 Subject term (key word) listing..... | 2           |
|           | 8.2 Changes from previous issue.....     | 2           |

MIL-STD-1399(NAVY)  
SECTION 501A  
11 January 1988

1. SCOPE

1.1 General. This section is an integral part of DOD-STD-1399 and the policies and procedures established therein are mandatory.

1.2 Scope. This section establishes the requirement for the use of standard and uniform nomenclature for electronic and weapons control interface functions flowing through systems and equipment component boundaries of Naval ship combat systems.

2. REFERENCED DOCUMENTS

2.1 Government documents.

2.1.1 Standards. Unless otherwise specified, the following standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this standard to the extent specified herein.

STANDARDS

MILITARY

MIL-STD-1343 - Glossary of Terms for Electronic and Weapons  
Control Interface Functions (Naval Ship Combat  
Systems).

DOD-STD-1399 - Interface Standard for Shipboard Systems. (Metric)

(Copies of standards required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.2 Order of precedence. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.

3. DEFINITIONS

3.1 Interface function. An interface function is a unit of functional information or physical action and relation which flows through an interface. It is a discrete electrical, electronic, or mechanical information identity or action identity that can be defined by its characteristics or time relationship.

3.2 Interface function term. An interface function term is the precise and unique nomenclature applied to an interface in accordance with prescribed standards.

4. REQUIREMENTS

4.1 The nomenclature requirements established herein are mandatory (see requirements of DOD-STD-1399).

MIL-STD-1399(NAVY)  
SECTION 501A  
11 January 1988

## 5. DESCRIPTION AND APPLICATION

5.1 Description. Standard and uniform requirements for nomenclature of electronic and weapons control interface functions have been established by MIL-STD-1343. It provides for the structuring of such terms in all foreseeable situations in connection with electronic and weapons control interface functions utilized in Naval ship combat systems.

5.2 Application. MIL-STD-1343 shall be used to assign standard and uniform nomenclature for electronic and weapons control interface functions used in Naval ship combat systems wherever applicable.

## 6. DEVIATIONS

6.1 Terms not available. Although MIL-STD-1343 provides for the structuring of electronic and weapons control interface function terms for any foreseen situation, it is still conceivable that technological advances affecting the design of future systems and equipments may require terms not available from MIL-STD-1343. In such instance, a report shall be submitted promptly which fully identifies the functions involved and completely describes the proposed use and the parameters (see 6.2). NAVSEA will then provide the proper standard nomenclature to be used. NAVSEA will also incorporate the new terms in subsequent revision of MIL-STD-1343.

6.2 Reporting procedure. Reports submitted in accordance with 6.1 shall be forwarded as indicated in 7.1.

## 7. REPORTS AND CORRESPONDENCE

7.1 Reports, correspondence and similar information shall be submitted by the contracting activity to NAVSEA for action with copies to:

- (a) NAVSEA 06D
- (b) Program manager

## 8. NOTES

### 8.1 Subject term (key word) listing.

Component boundary  
Interface function  
Ship combat system

8.2 Changes from previous issue. Asterisks are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

Review activities:  
OS, EC

Preparing activity:  
Navy - SH  
(Project 1990-N064)

User activity:  
YD

**INSTRUCTIONS:** In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

**NOTE:** This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

(Fold along this line)

(Fold along this line)

DEPARTMENT OF THE NAVY

COMMANDER  
NAVAL SEA SYSTEMS COMMAND (SEA 5523)  
DEPARTMENT OF THE NAVY  
WASHINGTON, DC 20362-5101

**OFFICIAL BUSINESS**  
PENALTY FOR PRIVATE USE \$300

**BUSINESS REPLY MAIL**

FIRST CLASS PERMIT NO. 12503 WASHINGTON D. C.

POSTAGE WILL BE PAID BY THE DEPARTMENT OF THE NAVY

COMMANDER  
NAVAL SEA SYSTEMS COMMAND (SEA 5523)  
DEPARTMENT OF THE NAVY  
WASHINGTON, DC 20362-5101

NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

