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Volumes I, II, and III are contained within separate binders due to size considerations. Detailed abstracts of Volumes I and II may be found within each volume. What follows is the abstract for only Volume III.

Volume III, "Technology Characterization," consists of a Marine Technology Database (MTD) containing buoy tender data developed in this survey. The MTD is maintained at the U.S. Coast Guard Research and Development Center located at Groton, CT. Within this binder is the "Marine Technology Database User's Guide and Documentation".

buoy tenders
aids-to-navigation
offshore supply vessels
seakeeping
propulsion
weight handling
# METRIC CONVERSION FACTORS

### Approximate Conversions to Metric Measures

<table>
<thead>
<tr>
<th>Symbol</th>
<th>When You Know</th>
<th>Multiply By</th>
<th>To Find</th>
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</thead>
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<tr>
<td>in</td>
<td>inches</td>
<td>2.5</td>
<td>cm</td>
</tr>
<tr>
<td>ft</td>
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<td>0.30</td>
<td>cm</td>
</tr>
<tr>
<td>yd</td>
<td>yards</td>
<td>0.9</td>
<td>m</td>
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<tr>
<td>mi</td>
<td>miles</td>
<td>1.6</td>
<td>km</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Symbol</th>
<th>When You Know</th>
<th>Multiply By</th>
<th>To Find</th>
</tr>
</thead>
<tbody>
<tr>
<td>in²</td>
<td>square inches</td>
<td>6.4</td>
<td>cm²</td>
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<tr>
<td>ft²</td>
<td>square feet</td>
<td>0.09</td>
<td>m²</td>
</tr>
<tr>
<td>yd²</td>
<td>square yards</td>
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<tr>
<td>mi²</td>
<td>square miles</td>
<td>2.6</td>
<td>km²</td>
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### Mass (Weight)

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<tr>
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<th>When You Know</th>
<th>Multiply By</th>
<th>To Find</th>
</tr>
</thead>
<tbody>
<tr>
<td>oz</td>
<td>ounces</td>
<td>28</td>
<td>g</td>
</tr>
<tr>
<td>lb</td>
<td>pounds</td>
<td>0.45</td>
<td>kg</td>
</tr>
<tr>
<td></td>
<td>short tons (2000 lb)</td>
<td>0.9</td>
<td>tonnes</td>
</tr>
</tbody>
</table>

### Volume

<table>
<thead>
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<th>To Find</th>
</tr>
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<tbody>
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<td>c</td>
<td>cups</td>
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<td>gal</td>
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</tr>
<tr>
<td>ft³</td>
<td>cubic feet</td>
<td>0.03</td>
<td>m³</td>
</tr>
<tr>
<td>yd³</td>
<td>cubic yards</td>
<td>0.76</td>
<td>m³</td>
</tr>
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</table>

### Temperature (Exact)

<table>
<thead>
<tr>
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<th>Fahrenheit temperature</th>
<th>5/9 (after subtracting 32)</th>
<th>°C</th>
<th>Celsius temperature</th>
<th>9/5 (then add 32)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-40</td>
<td>-40°F</td>
<td>0</td>
<td>-40°C</td>
<td>-40°C -20</td>
<td>0</td>
</tr>
<tr>
<td>32</td>
<td>80°F</td>
<td>144</td>
<td>20</td>
<td>20°F</td>
<td>6.7°F</td>
</tr>
<tr>
<td>98.6</td>
<td>98.6°F</td>
<td>174</td>
<td>100</td>
<td>100°F</td>
<td>50°F</td>
</tr>
</tbody>
</table>

*1 in = 2.54 (exactly) For other exact conversions and more detailed tables, see NBS Misc. Publ. 286. Units of Weights and Measures. Price $2.25. SD Catalog No. C13.10 286.
# TABLE OF CONTENTS

1.0 Background .......................................................... 1
2.0 Introduction .......................................................... 1
3.0 Approach ............................................................. 1
4.0 MTD Model ............................................................ 2
5.0 Implementation ....................................................... 2
6.0 Summary ............................................................... 3
7.0 References ............................................................ 4

Appendix A - MTD Database Specifications ......................... A1
Appendix B - MTD Application Documentation ...................... B1
Appendix C - AMV Database Specifications ......................... C1
1.0 **Background**

This report serves two purposes. The first is to document the steps undertaken in designing a "Marine Technology Database" (MTD) model for the Ocean Engineering Branch (OEB) of the U. S. Coast Guard Research & Development Center (R&DC). Secondly, the report functions as a User's Guide for the MTD System. This effort constitutes partial completion of one of the tasks outlined in the document "Proposed Method of Information Presentation" prepared by OEB in December 1986 (Reference 1). That document responded to a request from the Coast Guard's Office of Acquisition to perform a series of technology surveys in support of the WLB/WLM Capability Replacement Project (Reference 2). The design and development of the system was performed by a representative of Vanguard Technologies Corporation under GSA Task Order No. 217816 (Reference 3) and fulfills the requirements as set forth for "Deliverables 4, 5, & 6" of the GSA task order.

2.0 **Introduction**

The U. S. Coast Guard's Office of Acquisition has been tasked with the procurement of a ship system to replace the present aging buoy tender fleet. The current mission needs statement requires a multi-mission platform capable of performing functions not normally expected of the present class of ships. Essentially, OEB was tasked with performing a series of technology surveys to provide the Office of Acquisition with timely information on Aids to Navigation practices, marine vessels used throughout the world for buoy tending and offshore supply purposes, and on marine subsystems associated with various aspects of ship technology.

Eight areas of interest have been identified and are being investigated by OEB. These include Aids to Navigation (foreign and domestic practices), foreign Aids to Navigation tenders, Offshore/Support/Work vessels, hull configurations, propulsion systems, propulsor systems, weight handling systems, and vessel automation sub-systems. The initial presentation of the technology assessment will be via a narrative report; to support future analysis requirements, a computerized database is being developed for certain of the categories mentioned above.

3.0 **Approach**

In analyzing the requirements for the Marine Technology Database, it became apparent that it is in the best interests of the U. S. Coast Guard to centralize and standardize database management systems insofar as areas of application are concerned. The R&D Center had previously been tasked, through the Advanced Marine Vehicles (AMV) project, to
develop a Ship Information database. This system is intended, among other purposes, to be used for capturing data gathered during ship testing programs. The design, produced by the Marine Systems Branch (MSB) of the R&D Center, has been completed and a contract will be awarded in the near future for implementation of the system.

The decision was made prior to inception of the current project to implement the AMV database via the 4th Generation Language FOCUS on a DEC Microvax II supermicro system. In the interests of standardization and to facilitate sharing of data between the two systems, the decision was made by OEB to develop the MTD system in the same environment. The fact that FOCUS contains a sophisticated query language should enable extensive "ad hoc" reporting from both systems in the future by casual users.

4.0 MTD Model

A preliminary analysis of the eight areas of interest was performed to determine suitability for incorporation into a computerized database and, if suitable, to determine if the AMV system would be the appropriate system. Foreign Aids to Navigation practices was determined to be a subject area best left in document form; no particular advantage in building a computerized database in this area can be seen at this time. Specifications on both foreign buoy tenders and various offshore/supply/work vessels (domestic and foreign) can be entered into the AMV database system; the structure is appropriate.

The five remaining marine technology areas, hull configurations, propulsion systems, propulsor systems, weight handling systems, and vessel automation systems, were settled on for inclusion into the MTD system. The MTD design consists of a master file description for each of the five topics, with two auxiliary files containing manufacturer/vendor information and literature search data. Each of the five master files contains a segment which can be used to enter vessel identification codes compatible with the AMV system. (A particular hull configuration might be represented in the AMV system by a number of different ships, for example.) This mechanism will be the link between the two database management systems.

Detailed specifications of the MTD model can be found in Appendix A of this report. These include FOCUS Master File Descriptions for the five main files and the two auxiliary files, FOCUS "Picture" diagrams for each file, and the data entry formats for each field of each file.

5.0 Implementation

File maintenance routines incorporating Add, Change, and Delete logic and standard reporting programs were developed for each file and integrated into a single menu driven application. The system is presently mounted on the Marine Systems Branch's DEC Microvax II. Appendix B contains the FOCUS
"FOCEXEC" routines that form the application as well as documentation on how to use the system.

6.0 Summary

The nature of the WLB/WLM Technology Survey project is such that it is anticipated that reporting requirements will become more defined as time goes on. The prototype system developed should be viewed as any other model; changes in the database structure are to be expected and can be responded to as long as proper procedures are followed. Particular attention will need to be paid to documentation of the system to ensure that users are kept up to date after each change is made.
7.0 References

(1) U. S. Coast Guard R&D Center, Ocean Engineering Branch, Proposed Method Of Information Presentation, WLB/WLM Capability Replacement Project 9207.1.2.3, December 1986.

(2) U. S. Coast Guard Headquarters, Office Of Acquisition, Work Task Assignment, Technology Surveys, Task 205.06.4.1, WLB/WLM Capability Replacement Project, October 1986.

(3) U. S. Coast Guard R&D Center, GSA Task Order Number 217816, February 1986.
APPENDIX A

MTD Database Specifications
And Data Entry Formats
# TABLE OF CONTENTS

1.0 Introduction ................................................ A3

2.0 MTD System File Diagram .................................... A4

3.0 Hull Configuration File .................................... A5
   3.1 HULLCNFG File Structure Diagram ...................... A6
   3.2 HULLCNFG Master File Description .................... A7
   3.3 HULLCNFG Data Entry Formats .......................... A9

4.0 Propulsion Systems File ................................ A11
   4.1 PROPULSN File Structure Diagram .................... A12
   4.2 PROPULSN Master File Description ................... A13
   4.3 PROPULSN Data Entry Formats ........................ A15

5.0 Propulsor Systems File ................................ A17
   5.1 PROPULSR File Structure Diagram .................... A18
   5.2 PROPULSR Master File Description ................... A19
   5.3 PROPULSR Data Entry Formats ........................ A21

6.0 Weight Handling Systems File .......................... A23
   6.1 WGTHONDL File Structure Diagram ................... A24
   6.2 WGTHONDL Master File Description ................... A25
   6.3 WGTHONDL Data Entry Formats ........................ A26

7.0 Vessel Automation Systems File ........................ A28
   7.1 VESSAUTO File Structure Diagram .................... A29
   7.2 VESSAUTO Master File Description ................... A30
   7.3 VESSAUTO Data Entry Formats ........................ A31

8.0 Manufacturer's Reference File ........................ A33
   8.1 MFRREF File Structure Diagram ........................ A34
   8.2 MFRREF Master File Description .................... A35
   8.3 MFRREF Data Entry Formats ........................ A36

9.0 OEB Literature Reference File ........................ A37
   9.1 OEBREF File Structure Diagram ....................... A38
   9.2 OEBREF Master File Description ..................... A39
   9.3 OEBREF Data Entry Formats ........................ A40
1.0 **Introduction**

The enclosed documentation presents a logical design of the Marine Technology Database. Following the system file diagram on the next page, detailed descriptions of the HULLCNFG, PROPULSN, PROPULSR, WGTHANDL, VESSAUTO, MFRREF, and OEBREF files are presented.

It is anticipated that structures will change as the project progresses; it may prove necessary, for example, to create a new file to handle a specific area such as ride control systems in more detail. As the database is implemented on the MicroVAX II, special attention will need to be paid to "version control" and system documentation.
Marine Technology Database

- HULLCNFG FILE
  - Hull Configurations
  - Hull Designs
  - Ride Control Systems

- PROPULSN FILE
  - Propulsion Systems
  - Drive Systems

- PROPULSR FILE
  - Propulsor Systems
  - Shaft Specs

- WGTHANDL FILE
  - Weight Handling Svs.

- VESSAUTO FILE
  - Vessel Automation

AMV System

- SHIPS FILE
  - Vessel Specifications

  (Specific Ship Orientation)

Ocean Engineering Branch

- MTD SYSTEM
  - FILE DIAGRAM (VTC)
3.0 File HULLCNFG (Hull Configurations)

The Hull Configuration file provides the means for storing data on various hull designs. Using a combination of a standard hull type code and a standard hull subtype code as an entry key to the file, three types of information will be available as follows:

a) Hull design descriptions and specifications for a number of designs associated with each HULL-TYP/HULL-STYP
b) Listing of ships conforming to the HULL-TYP/HULL-STYP available in the AMV database (which will give detailed operational characteristics etc. on specific ships).
c) Listing of literature references cataloged by OEB on the HULL-TYP/HULL-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.
THE HULL CONFIGURATION FILE CONTAINS DATA ON VARIOUS TYPES OF SHIP HULLS. REFER TO THE DOCUMENT "MARINE TECHNOLOGY DATABASE (MTD) USER'S GUIDE" FOR MORE INFORMATION.

FILE=HULLCNFG, SUFFIX=FOC
SEGNMAME=HULLS, SEGTYPE=S2
FIELD=HULL_TYP, ALIAS=HTYP, FORMAT=A6
FIELD=HULL STYP, ALIAS=HSTYP, FORMAT=A4
FIELD=HULL COM1, ALIAS=HCOM1, FORMAT=A70
FIELD=HULL COM2, ALIAS=HCOM2, FORMAT=A70
FIELD=HULL COM3, ALIAS=HCOM3, FORMAT=A70

SEGNMAME=HULDESN, PARENT=HULLS, SEGTYPE=S2
FIELD=MFR_ID, ALIAS=MID, FORMAT=A5
FIELD=MFR_NO, ALIAS=MNO, FORMAT=A12
FIELD=MFR COM1, ALIAS=MCOM1, FORMAT=A70
FIELD=MFR COM2, ALIAS=MCOM2, FORMAT=A70
FIELD=MFR COM3, ALIAS=MCOM3, FORMAT=A70

SEGNMAME=HULLDESC, PARENT=HULDESN, SEGTYPE=U
FIELD=HULL SHAPE, ALIAS=HSHP, FORMAT=A6
FIELD=HULL BTYP, ALIAS=HBTP, FORMAT=A6
FIELD=HULL RTYP, ALIAS=HRTYP, FORMAT=A6
FIELD=HULL MAT, ALIAS=HMAT, FORMAT=A20
FIELD=HULL PTHCK, ALIAS=HPTCH, FORMAT=F6.4
FIELD=HULL FTYP, ALIAS=HFTYP, FORMAT=A10
FIELD=HULL WGRFS, ALIAS=HWG, FORMAT=I2
FIELD=HU COM1, ALIAS=HU COM1, FORMAT=A70
FIELD=HU COM2, ALIAS=HU COM2, FORMAT=A70
FIELD=HU COM3, ALIAS=HU COM3, FORMAT=A70

SEGNMAME=HULLSPEC, PARENT=HULDESN, SEGTYPE=U
FIELD=HULL LOA, ALIAS=HLOA, FORMAT=F6.1
FIELD=HULL LBP, ALIAS=HLBP, FORMAT=F3.1
FIELD=HULL BEAM, ALIAS=HBM, FORMAT=F4.1
FIELD=HULL MX DRFT, ALIAS=HMXDF, FORMAT=F3.1
FIELD=HULL MN DRFT, ALIAS=HMNDFT, FORMAT=F3.1
FIELD=HULL LS DRFT, ALIAS=HLSDF, FORMAT=F3.1
FIELD=HULL FBD, ALIAS=HFBD, FORMAT=F3.1
FIELD=HULL FL DIS, ALIAS=HDIS, FORMAT=F7.1
FIELD=HULL DMT, ALIAS=HDWT, FORMAT=F7.1
FIELD=HULL DRA ST, ALIAS=HDRAS, FORMAT=F4.1
FIELD=HULL DRA MC, ALIAS=HDRAM, FORMAT=F4.1
FIELD=HULL MX DPHT, ALIAS=HMXD, FORMAT=F3.1
FIELD=HULL BLCK CO, ALIAS=HBCF, FORMAT=F4.1
FIELD=HULL PRIS CO, ALIAS=HPCF, FORMAT=F4.1
FIELD=SPEC COM1, ALIAS=SCOM1, FORMAT=A70
FIELD=SPEC COM2, ALIAS=SCOM2, FORMAT=A70
FIELD=SPEC COM3, ALIAS=SCOM3, FORMAT=A70

SEGNMAME=RIDE CNTR, PARENT=HULDESN, SEGTYPE=U
FIELD=CNTR TYP, ALIAS=CTYP, FORMAT=A4
FIELD=CNTR DESC, ALIAS=CDSC, FORMAT=A40
FIELD=CNTR COM1, ALIAS=CCOM1, FORMAT=A70
FIELD=CNTR_COM2 ,ALIAS=CCOM2 ,FORMAT=A70 ,$
FIELD=CNTR_COM3 ,ALIAS=CCOM3 ,FORMAT=A70 ,$
$+++++++++++++++++++++++++++++++++++++++
SEGNAME=AMVREF, PARENT=HULLS, SEGTYPE=S1 ,$
FIELD=SHIP_ID ,ALIAS=SID ,FORMAT=A5 ,$
FIELD=SHIP_NAME ,ALIAS=SNM ,FORMAT=A20 ,$
FIELD=SHIP_FLAG ,ALIAS=SFG ,FORMAT=A10 ,$
$+++++++++++++++++++++++++++++++++++++++
SEGNAME=LITREF, PARENT=HULLS, SEGTYPE=S1 ,$
FIELD=REF_NUM ,ALIAS=RNUM ,FORMAT=A6 ,$
FIELD=REF_DESC ,ALIAS=RDSC ,FORMAT=A40 ,$
$+++++++++++++++++++++++++++++++++++++++
$ - END MASTER FILE DESC -
$
### 3.3 File HULLCNFG (Hull Configurations) Data Entry Formats

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Max Width</th>
<th>Field Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Segment: HULLS</strong></td>
<td></td>
<td>Main segment in file; two part key using HULL-TYP and HULL-STYP for access to the file</td>
</tr>
<tr>
<td>HULL-TYP</td>
<td>6(A)</td>
<td>Standard code for hull type; ex SWATH, SES, DIS, etc.</td>
</tr>
<tr>
<td>HULL-STYP</td>
<td>4(A)</td>
<td>Standard code for hull subtype; ex DEST, TWLR (trawler etc.)</td>
</tr>
<tr>
<td>HULL-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>HULL-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>HULL-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: HULLDESN</strong></td>
<td></td>
<td>Controlling segment of file for detailed data on hull designs</td>
</tr>
<tr>
<td>MFR-ID</td>
<td>5(A)</td>
<td>Manufacturer or Naval Architect/Design firm (code number) responsible for design</td>
</tr>
<tr>
<td>MFR-NO</td>
<td>12(A)</td>
<td>Manufacturer or design firm's designation code/serial number for design</td>
</tr>
<tr>
<td>MFR-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>MFR-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>MFR-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: HULLDESC</strong></td>
<td></td>
<td>Unique segment associated with each iteration of the HULLDESN segment containing general descriptive data on the hull</td>
</tr>
<tr>
<td>HULL-SHAPE</td>
<td>6(A)</td>
<td>Standard code for hull shape; ex RDB (round bottom), DVEE etc.</td>
</tr>
<tr>
<td>HULL-BTYP</td>
<td>6(A)</td>
<td>Standard code for bow type; ex BULB (bulbous), CONE, etc.</td>
</tr>
<tr>
<td>HULL-RTYP</td>
<td>6(A)</td>
<td>Standard code for stern type; ex CAN (canoe), CNT (counter), etc.</td>
</tr>
<tr>
<td>HULL-MAT</td>
<td>20(A)</td>
<td>Material used in construction of hull</td>
</tr>
<tr>
<td>HULL-PTHCK</td>
<td>2(N).4(N)</td>
<td>Plate thickness if applicable</td>
</tr>
<tr>
<td>HULL-FTYP</td>
<td>10(A)</td>
<td>Framing type used in construction</td>
</tr>
<tr>
<td>HULL-WGRPS</td>
<td>2(N)</td>
<td>Number of watertight compartment groups in hull</td>
</tr>
<tr>
<td>HU-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>HU-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>HU-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: HULLSPEC</strong></td>
<td></td>
<td>Unique segment associated with each iteration of the HULLDESN segment containing specifications of the hull</td>
</tr>
</tbody>
</table>

A-9
HULL-LOA 5(N).1(N) Length overall of the hull
HULL-LBP 2(N).1(N) Length between perpendiculars
HULL-BEAM 3(N).1(N) Max beam of hull
HULL-MX-DRFT 2(N).1(N) Max draft of hull
HULL-MN-DRFT 2(N).1(N) Mean draft of hull
HULL-LS-DRFT 2(N).1(N) Light ship draft
HULL-FBD 2(N).1(N) Freeboard of hull
HULL-FL-DIS 6(N).1(N) Full load displacement of hull
HULL-DWT 6(N).1(N) Hull deadweight
HULL-DRA-ST 3(N).1(N) Deadrise angle at stern
HULL-DRA-MC 3(N).1(N) Deadrise angle at midchine
HULL-MX-DPTH 2(N).1(N) Max depth of hull
HULL-BLCK-CO 3(N).1(N) Block coefficient of hull
HULL-PRIS-CO 3(N).1(N) Prismatic coefficient of hull
SPEC-COM1 70(A) General comment field 1
SPEC-COM2 70(A) General comment field 2
SPEC-COM3 70(A) General comment field 3

Segment: RIDECNTR
Unique segment associated with each iteration of the HULLDESN segment containing data on the hull's ride control components

CNTR-TYPE 4(A) Standard code for ride control technology incorporated into the hull design
CNTR-DESC 40(A) Description of ride control technology
CNTR-COM1 70(A) General comment field 1
CNTR-COM2 70(A) General comment field 2
CNTR-COM3 70(A) General comment field 3

Segment: AMVREF
Controlling segment of file for cross-reference information to the AMV Ships file

SHIP-ID 5(A) Ship ID number for ship contained in AMV database using the hull configuration; same format as that used in the AMV system
SHIP-NAME 20(A) Name of ship in AMV Database
SHIP-FLAG 10(A) Country ship registered in

Segment: LITREF
Controlling segment of file for cross-reference information to the OEB literature reference database

REF-NUM 6(A) Reference number; OEB internal format for literature reference numbers
REF-DESC 40(A) Brief description of reference
4.0 File PROPULSN (Propulsion Systems)

The Propulsion System file serves the purpose of storing data on various propulsion systems available for marine power plant configurations. Data is also included on power transmission systems associated with the propulsion system. Access to the file is via a two part key consisting of the PRO-TYP and PRO-STYP fields. Standard codes are employed for each of those two fields. Three primary types of information will be available as follows:

a) Propulsion system descriptions and specifications, including data on transmission components
b) Listing of ships utilizing the particular propulsion system covered that have been entered into the AMV database
c) Listing of literature references cataloged by OEB on the PRO-TYP/PRO-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.
$ 4.2 MASTER FILE DESCRIPTION FOR 'PROPULSN'

$ THE PROPULSION FILE CONTAINS DATA ON VARIOUS TYPES OF MARINE PROPULSION SYSTEMS. REFER TO THE DOCUMENT "MARINE TECHNOLOGY DATABASE (MTD) USER'S GUIDE" FOR MORE INFORMATION.

$ DESIGNED FOR : USCG R&D CENTER, OCEAN ENGINEERING BRANCH

$ DESIGNED BY : M. J. STEVENS (VTC)

$ DATE LAST REV : 5/11/87

FILE='PROPULSN', SUFFIX='FOC'

SEGNAMES='PROTYPE', SEGTYPE='S2'

FIELD='PRO_TYP', ALIAS='PTYP', FORMAT='A6'
FIELD='PRO_STYP', ALIAS='PSTYP', FORMAT='A4'
FIELD='PRO_COM1', ALIAS='PCOM1', FORMAT='A70'
FIELD='PRO_COM2', ALIAS='PCOM2', FORMAT='A70'
FIELD='PRO_COM3', ALIAS='PCOM3', FORMAT='A70'

SEGNAMES='PROSYS', PARENT='PROTYPE', SEGTYPE='S2'

FIELD='MFR_ID', ALIAS='MID', FORMAT='A5'
FIELD='MFR_NO', ALIAS='MNO', FORMAT='A12'
FIELD='MFR_COM1', ALIAS='MCOM1', FORMAT='A70'
FIELD='MFR_COM2', ALIAS='MCOM2', FORMAT='A70'
FIELD='MFR_COM3', ALIAS='MCOM3', FORMAT='A70'

SEGNAMES='PRODESC', PARENT='PROSYS', SEGTYPE='U'

FIELD='PRO_FUNCN', ALIAS='PFN', FORMAT='A20'
FIELD='PRO_HP_TYP', ALIAS='PHPTYP', FORMAT='A4'
FIELD='PRO_HP_COM', ALIAS='PHPCOM', FORMAT='A20'
FIELD='PRO_FUEL', ALIAS='PFUEL', FORMAT='A10'
FIELD='PRO_ST_MTHD', ALIAS='PSTMTH', FORMAT='A20'
FIELD='PRO_TURBO', ALIAS='PTB', FORMAT='A1'
FIELD='PR_COM1', ALIAS='PRCOM1', FORMAT='A70'
FIELD='PR_COM2', ALIAS='PRCOM2', FORMAT='A70'
FIELD='PR_COM3', ALIAS='PRCOM3', FORMAT='A70'

SEGNAMES='PROSPEC', PARENT='PROSYS', SEGTYPE='U'

FIELD='PRO_HP', ALIAS='PHP', FORMAT='I5'
FIELD='PRO_RPM', ALIAS='PRPM', FORMAT='I4'
FIELD='PRO_VOL', ALIAS='PVOL', FORMAT='I5'
FIELD='PRO_WEIGHT', ALIAS='PWGHT', FORMAT='F5.1'
FIELD='PRO_LEN', ALIAS='PLEN', FORMAT='F4.1'
FIELD='PRO_WIDTH', ALIAS='PWTH', FORMAT='F3.1'
FIELD='PRO_HEIGHT', ALIAS='PHGHT', FORMAT='F3.1'
FIELD='PRO_SFC', ALIAS='PSFC', FORMAT='F3.1'
FIELD='PRO_PWR_CST', ALIAS='PPWRC', FORMAT='F4.1'
FIELD='PRO_MNT_CST', ALIAS='PMCST', FORMAT='F4.1'
FIELD='PRO_MNT_MHR', ALIAS='PMNH', FORMAT='I5'
FIELD='PRO_CYCLE', ALIAS='PCYCL', FORMAT='I11'
FIELD='PRO_NO_CYL', ALIAS='PNOCYL', FORMAT='I5'
FIELD='PRO_STROK', ALIAS='PSTROK', FORMAT='F3.1'
FIELD='PRO_BORE', ALIAS='PBORE', FORMAT='F4.1'
FIELD='PRO_MEP', ALIAS='PMEP', FORMAT='F4.1'
FIELD='PRO_REL_RAT', ALIAS='PRRAT', FORMAT='A4'
FIELD='PRO_ORD_TM', ALIAS='POTM', FORMAT='A10'
FIELD='PRO_DIS', ALIAS='PDIS', FORMAT='F5.1'
FIELD='SPEC_COM1', ALIAS='SCOM1', FORMAT='A70'
FIELD='SPEC_COM2', ALIAS='SCOM2', FORMAT='A70'
FIELD='SPEC_COM3', ALIAS='SCOM3', FORMAT='A70'

A-13
SEGNAME=PRODRV, PARENT=PROSYS, SEGTYPE=U
FIELD=DRV_MFR ,ALIAS=DMFR ,FORMAT=I3
FIELD=DRV_MOD ,ALIAS=DMOD ,FORMAT=A10
FIELD=DRV_TYP ,ALIAS=DTYPE ,FORMAT=A10
FIELD=DRV_RED_RAT ,ALIAS=DRDR ,FORMAT=A10
FIELD=DRV_VOL ,ALIAS=DVOL ,FORMAT=F4.1
FIELD=DRV_WEIGHT ,ALIAS=DWEIGHT ,FORMAT=F4.1
FIELD=DRV_REV ,ALIAS=DREV ,FORMAT=A1
FIELD=DRV_COM1 ,ALIAS=DCOM1 ,FORMAT=A70
FIELD=DRV_COM2 ,ALIAS=DCOM2 ,FORMAT=A70
FIELD=DRV_COM3 ,ALIAS=DCOM3 ,FORMAT=A70
$+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
SEGNAME=AMVREF, PARENT=PROTYPE, SEGTYPE=S1
FIELD=SHIP_ID ,ALIAS=SID ,FORMAT=A5
FIELD=SHIP_NAME ,ALIAS=SNM ,FORMAT=A20
FIELD=SHIP_FLAG ,ALIAS=SFG ,FORMAT=A10
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SEGNAME=LITREF, PARENT=PROTYPE, SEGTYPE=S1
FIELD=REF_NUM ,ALIAS=RNUM ,FORMAT=A6
FIELD=REF_DESC ,ALIAS=RDSC ,FORMAT=A40
$+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
$ - END MASTER FILE DESC -
4.3 FILE PROPULSN (Propulsion Systems) Data Entry Formats

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Max Width</th>
<th>Field Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Segment: PROTYP</strong></td>
<td></td>
<td>Main segment in file; two part key using PRO-TYP and PRO-STYP fields for access</td>
</tr>
<tr>
<td>PRO-TYP</td>
<td>6(A)</td>
<td>Standard code for propulsion system type; ex: 91E for diesel</td>
</tr>
<tr>
<td>PRO-STYP</td>
<td>4(A)</td>
<td>Standard code for propulsion system subtype; ex: HS for high speed</td>
</tr>
<tr>
<td>PRO-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>PRO-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>PRO-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: PROSYS</strong></td>
<td></td>
<td>Controlling segment of file for detailed data on propulsion systems</td>
</tr>
<tr>
<td>MFR-ID</td>
<td>5(A)</td>
<td>Code number for manufacturer of system</td>
</tr>
<tr>
<td>MFR-NO</td>
<td>12(A)</td>
<td>Manufacturer's model number</td>
</tr>
<tr>
<td>MFR-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>MFR-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>MFR-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: PRODESC</strong></td>
<td></td>
<td>Unique segment associated with each iteration of the Prosys segment containing general descriptive data on the system</td>
</tr>
<tr>
<td>PRO-FNCTN</td>
<td>20(A)</td>
<td>Function of the system (eg main, thruster)</td>
</tr>
<tr>
<td>PRO-HP-TYP</td>
<td>4(A)</td>
<td>Units for HP rating</td>
</tr>
<tr>
<td>PRO-HP-COM</td>
<td>20(A)</td>
<td>Comment on HP convention</td>
</tr>
<tr>
<td>PRO-FUEL</td>
<td>10(A)</td>
<td>Fuel type for system</td>
</tr>
<tr>
<td>PRO-ST-MTHD</td>
<td>20(A)</td>
<td>Starting method for system</td>
</tr>
<tr>
<td>PRO-TURBO</td>
<td>1(A)</td>
<td>Turbocharged (Y/N)</td>
</tr>
<tr>
<td>PR-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>PR-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>PR-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: PROSPEC</strong></td>
<td></td>
<td>Unique segment associated with each iteration of the Prosys segment containing specifications of the system</td>
</tr>
<tr>
<td>PRO-HP</td>
<td>5(N)</td>
<td>Horsepower of system</td>
</tr>
<tr>
<td>PRO-RPM</td>
<td>4(N)</td>
<td>RPM at rated horsepower</td>
</tr>
<tr>
<td>PRO-VOL</td>
<td>5(N)</td>
<td>Volume of system</td>
</tr>
<tr>
<td>PRO-WEIGHT</td>
<td>4(N).1(N)</td>
<td>Weight of system</td>
</tr>
<tr>
<td>PRO-LEN</td>
<td>3(N).1(N)</td>
<td>Length of system</td>
</tr>
<tr>
<td>PRO-WIDTH</td>
<td>2(N).1(N)</td>
<td>Width of system</td>
</tr>
<tr>
<td>PRO-HEIGHT</td>
<td>2(N).1(N)</td>
<td>Height of system</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>PRO-SFC</td>
<td>Specific fuel consumption</td>
<td></td>
</tr>
<tr>
<td>PRO-PWR-CST</td>
<td>Power cost in SHP/S</td>
<td></td>
</tr>
<tr>
<td>PRO-MNT-CST</td>
<td>Annual maintenance costs</td>
<td></td>
</tr>
<tr>
<td>PRO-MNT-MHR</td>
<td>Annual maintenance man-hours</td>
<td></td>
</tr>
<tr>
<td>PRO-CYCLE</td>
<td>Engine cycles (2/4)</td>
<td></td>
</tr>
<tr>
<td>PRO-NO-CYL</td>
<td>Number of cylinders</td>
<td></td>
</tr>
<tr>
<td>PRO-STROK</td>
<td>Stroke of piston</td>
<td></td>
</tr>
<tr>
<td>PRO-BORE</td>
<td>Bore of cylinder</td>
<td></td>
</tr>
<tr>
<td>PRO-REL-RAT</td>
<td>Mean Effective Pressure</td>
<td></td>
</tr>
<tr>
<td>PRO-ORD-TM</td>
<td>Reliability rating of engine</td>
<td></td>
</tr>
<tr>
<td>PRO-DIS</td>
<td>Ordering lead time</td>
<td></td>
</tr>
<tr>
<td>SPEC-COM1</td>
<td>Displacement of engine</td>
<td></td>
</tr>
<tr>
<td>SPEC-COM2</td>
<td>General comment field 1</td>
<td></td>
</tr>
<tr>
<td>SPEC-COM3</td>
<td>General comment field 2</td>
<td></td>
</tr>
<tr>
<td>SPEC-COM3</td>
<td>General comment field 3</td>
<td></td>
</tr>
</tbody>
</table>

**Segment: PRODRV**

Unique segment associated with each iteration of the Prosys segment containing data on the system's drive components

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRV-MFR</td>
<td>Code number for manufacturer of drive</td>
</tr>
<tr>
<td>DRV-MOD</td>
<td>Manufacturer's model number of drive</td>
</tr>
<tr>
<td>DRV-TYP</td>
<td>Type of drive</td>
</tr>
<tr>
<td>DRV-RED-RAT</td>
<td>Drive reduction ratio</td>
</tr>
<tr>
<td>DRV-VOL</td>
<td>Volume of drive</td>
</tr>
<tr>
<td>DRV-WEIGHT</td>
<td>Weight of drive</td>
</tr>
<tr>
<td>DRV-REV</td>
<td>Reversing (Y/N)</td>
</tr>
<tr>
<td>DRV-COM1</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>DRV-COM2</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>DRV-COM3</td>
<td>General comment field 3</td>
</tr>
</tbody>
</table>

**Segment: AMVREF**

Controlling segment of file for cross-reference information to the AMV Ships file

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHIP-ID</td>
<td>Ship ID number for ship contained in AMV database using the propulsion system; same format as that used in the AMV system</td>
</tr>
<tr>
<td>SHIP-NAME</td>
<td>Name of ship in AMV Database</td>
</tr>
<tr>
<td>SHIP-FLAG</td>
<td>Country ship registered in</td>
</tr>
</tbody>
</table>

**Segment: LITREF**

Controlling segment of file for cross-reference information to the OEB literature reference database

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF-NUM</td>
<td>Reference number; OEB internal format for literature reference numbers</td>
</tr>
<tr>
<td>REF-DESC</td>
<td>Brief description of reference</td>
</tr>
</tbody>
</table>
5.0 FILE PROPULSR (Propulsor Systems)

The Propulsor file provides a means of storing data on various propulsor systems. Using a combination of a standard propulsor type code and a standard propulsor subtype code as an entry key to the file, three types of information will be available as follows:

a) Propulsor system descriptions and specifications for a number of designs currently and potentially available associated with each PROP-TYP/PROP-STYP

b) Listing of ships conforming to the PROP-TYP/PROP-STYP available in the AMV database (which will give detailed operational characteristics etc. on specific ships).

c) Listing of literature references cataloged by OEB on the PROP-TYP/PROP-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.
### SECTION 01.01

**STRUCTURE OF FOCUS**  
**FILE PROPULSR ON 05/11/86 AT 14:45:06**

<table>
<thead>
<tr>
<th>PROTYP</th>
<th>AMVREF</th>
<th>LITREF</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRO_TYP</td>
<td>SHIP_ID</td>
<td>*REF_NUM</td>
</tr>
<tr>
<td>PRO_STEP</td>
<td>SHIP_NAME</td>
<td>*REF_DESC</td>
</tr>
<tr>
<td>PRO_COM1</td>
<td>SHIP_FLAG</td>
<td></td>
</tr>
<tr>
<td>PRO_COM2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROSYS</th>
<th>AMVREF</th>
<th>LITREF</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR_ID</td>
<td>SHIP_ID</td>
<td>*REF_NUM</td>
</tr>
<tr>
<td>MFR_NO</td>
<td>SHIP_NAME</td>
<td>*REF_DESC</td>
</tr>
<tr>
<td>MFR_COM1</td>
<td>SHIP_FLAG</td>
<td></td>
</tr>
<tr>
<td>MFR_COM2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROSPEC</th>
<th>SHTSPEC</th>
<th>AMVREF</th>
<th>LITREF</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRO_TRAIN</td>
<td>SH ANGL</td>
<td>SHIP_ID</td>
<td>*REF_NUM</td>
</tr>
<tr>
<td>PRO_MAT</td>
<td>SH_MAT</td>
<td>SHIP_NAME</td>
<td>*REF_DESC</td>
</tr>
<tr>
<td>PRO_VAR_PITCH</td>
<td>SH OD</td>
<td>SHIP_FLAG</td>
<td></td>
</tr>
<tr>
<td>PRO_CHAN_PITCH</td>
<td>SH_ID</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**A-16**
5.2 MASTER FILE DESCRIPTION FOR 'PROPULSR'

THE PROPULSOR FILE CONTAINS DATA ON VARIOUS TYPES OF MARINE PROPULSOR SYSTEMS. REFER TO THE DOCUMENT "MARINE TECHNOLOGY DATABASE (MTD) USER'S GUIDE" FOR MORE INFORMATION.

DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH

DESIGNED BY: M. J. STEVENS (VTC)

DATE LAST REV: 5/11/87

FILE=PROPULSR, SUFFIX=FOC
SEGNAME=PROTYP, SEGTYPE=S2
FIELD=PRO_TYP ,ALIAS=PTYP ,FORMAT=A6
FIELD=PRO_STYP ,ALIAS=PSYPH ,FORMAT=A4
FIELD=PRO_COM1 ,ALIAS=PCOM1 ,FORMAT=A70
FIELD=PRO_COM2 ,ALIAS=PCOM2 ,FORMAT=A70
FIELD=PRO_COM3 ,ALIAS=PCOM3 ,FORMAT=A70

SEGNAME=PROSYS, PARENT=PROTYP, SEGTYPE=S2
FIELD=MFR_ID ,ALIAS=MID ,FORMAT=A5
FIELD=MFR_NO ,ALIAS=MNO ,FORMAT=A12
FIELD=MFR_COM1 ,ALIAS=MCOM1 ,FORMAT=A70
FIELD=MFR_COM2 ,ALIAS=MCOM2 ,FORMAT=A70
FIELD=MFR_COM3 ,ALIAS=MCOM3 ,FORMAT=A70

SEGNAME=PRODESC, PARENT=PROSYS, SEGTYPE=U
FIELD=PRO_TRAIN ,ALIAS=PTRN ,FORMAT=A1
FIELD=PRO_MAT ,ALIAS=PMAT ,FORMAT=A20
FIELD=PRO_VAR_PITCH ,ALIAS=PVARP ,FORMAT=A1
FIELD=PRO_CNT_PITCH ,ALIAS=PCNTP ,FORMAT=A1
FIELD=PRO_FULREV ,ALIAS=PFREV ,FORMAT=A1
FIELD=PRO_DUCTED ,ALIAS=PODTH ,FORMAT=A1
FIELD=PRO_TUNNEL ,ALIAS=PTUN ,FORMAT=A1
FIELD=PR_COM1 ,ALIAS=PRCOM1 ,FORMAT=A70
FIELD=PR_COM2 ,ALIAS=PRCOM2 ,FORMAT=A70
FIELD=PR_COM3 ,ALIAS=PRCOM3 ,FORMAT=A70

SEGNAME=PROSPEC, PARENT=PROSYS, SEGTYPE=U
FIELD=PRO_DIA ,ALIAS=PDIA ,FORMAT=F5.1
FIELD=PRO_WEIGHT ,ALIAS=PWTG ,FORMAT=F3.1
FIELD=PRO_PITCH_MX ,ALIAS=PPMX ,FORMAT=F3.1
FIELD=PRO_NO_BLD ,ALIAS=PNBLD ,FORMAT=N
FIELD=PRO_AREA_RAT ,ALIAS=PARAT ,FORMAT=F5.1
FIELD=SPEC_COM1 ,ALIAS=SCOM1 ,FORMAT=A70
FIELD=SPEC_COM2 ,ALIAS=SCOM2 ,FORMAT=A70
FIELD=SPEC_COM3 ,ALIAS=SCOM3 ,FORMAT=A70

SEGNAME=SHFTSPEC, PARENT=PROSYS, SEGTYPE=U
FIELD=SH_ANGL ,ALIAS=SANGL ,FORMAT=F3.1
FIELD=SH_MAT ,ALIAS=SMAT ,FORMAT=A20
FIELD=SH_OD ,ALIAS=SOD ,FORMAT=F3.1
FIELD=SH_ID ,ALIAS=SID ,FORMAT=F3.1
FIELD=SH_SMOD ,ALIAS=SSMOD ,FORMAT=F5.1
FIELD=SH_COM1 ,ALIAS=SCOM1 ,FORMAT=A70
FIELD=SH_COM2 ,ALIAS=SCOM2 ,FORMAT=A70
FIELD=SH_COM3 ,ALIAS=SCOM3 ,FORMAT=A70

SEGNAME=AMVREF, PARENT=PROTYP, SEGTYPE=S1
FIELD=SHIP_ID ,ALIAS=SID ,FORMAT=A5
FIELD=SHIP_NAME ,ALIAS=SNM ,FORMAT=A20
FIELD=SHIP_FLAG ,ALIAS=SFG ,FORMAT=A10

SEGNAME=LITREF, PARENT=PROTYP, SEGTYPE=S1
FIELD=REF_NUM ,ALIAS=RNUM ,FORMAT=A6
FIELD=REF_DESC ,ALIAS=RDESC ,FORMAT=A40

- END MASTER FILE DESC -
5.3 FILE PROPULSR (Propulsor Systems) Data Entry Formats

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Max Width</th>
<th>Field Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Segment: PROPTYP</strong></td>
<td></td>
<td>Main segment in file; two part key using PROP-TYP and PROP-STYP for access to file</td>
</tr>
<tr>
<td>PRO-TYP</td>
<td>6(A)</td>
<td>Standard code for propulsion system type; ex WS (water screw) etc.</td>
</tr>
<tr>
<td>PRO-STYP</td>
<td>4(A)</td>
<td>Standard code for propulsion system subtype; ex VP (variable pitch) etc.</td>
</tr>
<tr>
<td>PRO-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>PRO-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>PRO-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: PROPSYS</strong></td>
<td></td>
<td>Controlling segment of file for detailed data on propulsion systems</td>
</tr>
<tr>
<td>MFR-ID</td>
<td>5(A)</td>
<td>Code number for manufacturer of system</td>
</tr>
<tr>
<td>MFR-NO</td>
<td>12(A)</td>
<td>Manufacturer's model number</td>
</tr>
<tr>
<td>MFR-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>MFR-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>MFR-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: PRODESC</strong></td>
<td></td>
<td>Unique segment associated with each iteration of the PROPSYS segment containing general descriptive data on the propulsor system</td>
</tr>
<tr>
<td>PRO-TRAIN</td>
<td>1(A)</td>
<td>Propulsor trainable (Y/N)</td>
</tr>
<tr>
<td>PRO-MAT</td>
<td>20(A)</td>
<td>Material(s) system made of</td>
</tr>
<tr>
<td>PRO-VAR-PTCH</td>
<td>1(A)</td>
<td>Variable pitch technology (Y/N)</td>
</tr>
<tr>
<td>PRO-CNT-PTCH</td>
<td>1(A)</td>
<td>Controllable pitch technology (Y/N)</td>
</tr>
<tr>
<td>PRO-FULL-REV</td>
<td>1(A)</td>
<td>Fully reversible propulsor (Y/N)</td>
</tr>
<tr>
<td>PRO-DUCTED</td>
<td>1(A)</td>
<td>Ducted system (Y/N)</td>
</tr>
<tr>
<td>PRO-TUNNEL</td>
<td>1(A)</td>
<td>Tunnel technology incorporated (Y/N)</td>
</tr>
<tr>
<td>PR-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>PR-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>PR-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: PROSPEC</strong></td>
<td></td>
<td>Unique segment associated with each iteration of the PROPSYS segment containing specs of the system</td>
</tr>
<tr>
<td>PRO-DIA</td>
<td>4(N).1(N)</td>
<td>Diameter of the propulsor</td>
</tr>
<tr>
<td>PRO-WEIGHT</td>
<td>2(N).1(N)</td>
<td>Weight of the propulsor</td>
</tr>
<tr>
<td>PRO-PTCH-MX</td>
<td>2(N).1(N)</td>
<td>Max pitch of the propulsor</td>
</tr>
<tr>
<td>PRO-NO-BLDS</td>
<td>1(N)</td>
<td>Number of blades</td>
</tr>
<tr>
<td>PRO-AREA-RAT</td>
<td>4(N).1(N)</td>
<td>Area ratio of the propulsor</td>
</tr>
<tr>
<td>SPEC-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>SPEC-COM2</td>
<td>General comment field 2</td>
<td></td>
</tr>
<tr>
<td>SPEC-COM3</td>
<td>General comment field 3</td>
<td></td>
</tr>
<tr>
<td>Segment: SHFTSPEC</td>
<td>Unique segment associated with each iteration of the PROPSYS segment containing data on the propulsor's shaft components</td>
<td></td>
</tr>
<tr>
<td>SH-ANGL</td>
<td>Angle of shaft</td>
<td></td>
</tr>
<tr>
<td>SH-MAT</td>
<td>Material shaft made of</td>
<td></td>
</tr>
<tr>
<td>SH-OD</td>
<td>Outer diameter of the shaft</td>
<td></td>
</tr>
<tr>
<td>SH-ID</td>
<td>Inner diameter of the shaft</td>
<td></td>
</tr>
<tr>
<td>SH-SMOD</td>
<td>Shaft shear modulus</td>
<td></td>
</tr>
<tr>
<td>SH-COM1</td>
<td>General comment field 1</td>
<td></td>
</tr>
<tr>
<td>SH-COM2</td>
<td>General comment field 2</td>
<td></td>
</tr>
<tr>
<td>SH-COM3</td>
<td>General comment field 3</td>
<td></td>
</tr>
<tr>
<td>Segment: AMVREF</td>
<td>Controlling segment of file for cross-reference information to the AMV Ships file</td>
<td></td>
</tr>
<tr>
<td>SHIP-ID</td>
<td>Ship ID number for ship contained in AMV database using the propulsor system; same format as that used in the AMV system</td>
<td></td>
</tr>
<tr>
<td>SHIP-NAME</td>
<td>Name of ship in AMV Database</td>
<td></td>
</tr>
<tr>
<td>SHIP-FLAG</td>
<td>Country ship registered in</td>
<td></td>
</tr>
<tr>
<td>Segment: LITREF</td>
<td>Controlling segment of file for cross-reference information to the OEB literature reference database</td>
<td></td>
</tr>
<tr>
<td>REF-NUM</td>
<td>Reference number; OEB internal format for literature reference numbers</td>
<td></td>
</tr>
<tr>
<td>REF-DESC</td>
<td>Brief description of reference</td>
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</tr>
</tbody>
</table>
6.0 File WGTHANDL (Weight Handling Systems)

The Weight Handling file provides a means of storing data on various weight handling systems used for shipboard applications. Using a combination of a standard weight handling system type code and a standard weight handling system subtype code as an entry key to the file, three types of information will be available as follows:

a) Weight handling system descriptions and specifications for a number of designs currently and potentially available associated with each WT-TYP/WT-STYP

b) Listing of ships conforming to the WT-TYP/WT-STYP available in the AMV database (which will give detailed operational characteristics etc. on specific ships).

c) Listing of literature references cataloged by OEB on the WT-TYP/WT-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.
## 6.2 MASTER FILE DESCRIPTION FOR ‘WGTHANDL’

The Weight Handling File contains data on various types of marine weight handling systems. Refer to the document "Marine Technology Database (MTD) User’s Guide" for more information.

**Designed For:** USCG R&D Center, Ocean Engineering Branch

**Designed By:** M. J. Stevens (VTC)

**Date Last Rev:** 5/11/87

---

**FILE=**WGTHANDL, **Suffix=**FOC

**SEGNAMEMAIN, SEGTYPE=S2**

<table>
<thead>
<tr>
<th>Field</th>
<th>Alias</th>
<th>Format</th>
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</thead>
<tbody>
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<td>A6</td>
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<td>WT_STYP</td>
<td>WSTYP</td>
<td>A4</td>
</tr>
<tr>
<td>WT_COM1</td>
<td>WCOM1</td>
<td>A70</td>
</tr>
<tr>
<td>WT_COM2</td>
<td>WCOM2</td>
<td>A70</td>
</tr>
<tr>
<td>WT_COM3</td>
<td>WCOM3</td>
<td>A70</td>
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**SEGNAMEWTSYS, PARENT=MAIN, SEGTYPE=S2**

<table>
<thead>
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<tr>
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<td>MFR_NO</td>
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<td>MFR_COM1</td>
<td>MCOM1</td>
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<td>MFR_COM2</td>
<td>MCOM2</td>
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</tr>
<tr>
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**SEGNAMEWTSYS, PARENT=WTDESC, SEGTYPE=U**

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<thead>
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<tr>
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</tr>
<tr>
<td>WT_PWR_TYP</td>
<td>WPTYP</td>
<td>A20</td>
</tr>
<tr>
<td>WT_DYN_POS</td>
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<td>DCOM1</td>
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<td>DESC_COM2</td>
<td>DCOM2</td>
<td>A70</td>
</tr>
<tr>
<td>DESC_COM3</td>
<td>DCOM3</td>
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</table>

**SEGNAMEWTSPEC, PARENT=WTSYS, SEGTYPE=U**

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<tr>
<td>WT_REACH</td>
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</tr>
<tr>
<td>WT_CAP</td>
<td>WCAP</td>
<td>F3.1</td>
</tr>
<tr>
<td>WT_WEIGHT</td>
<td>WWGT</td>
<td>F3.1</td>
</tr>
<tr>
<td>WT_VEL</td>
<td>WVEL</td>
<td>F3.1</td>
</tr>
<tr>
<td>WT_MOM</td>
<td>WMOM</td>
<td>F5.1</td>
</tr>
<tr>
<td>WT_VOL</td>
<td>WVOL</td>
<td>F5.1</td>
</tr>
<tr>
<td>WT_COST</td>
<td>WCST</td>
<td>F5.2</td>
</tr>
<tr>
<td>SPEC_COM1</td>
<td>SCOM1</td>
<td>A70</td>
</tr>
<tr>
<td>SPEC_COM2</td>
<td>SCOM2</td>
<td>A70</td>
</tr>
<tr>
<td>SPEC_COM3</td>
<td>SCOM3</td>
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**SEGNAMENMVREF, PARENT=MAIN, SEGTYPE=S1**

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<td>SHIP_NAME</td>
<td>SNM</td>
<td>A20</td>
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**SEGNAMELITREF, PARENT=MAIN, SEGTYPE=S1**

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<td>REF_DESC</td>
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END MASTER FILE DESC
### 6.3 File WGTHANDL (Weight Handling Systems) Data Entry Formats

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Max Width</th>
<th>Field Description</th>
</tr>
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<tbody>
<tr>
<td>Segment: MAIN</td>
<td></td>
<td>Main segment in file; two part key using WT-TYP and WT-STYP for access to file</td>
</tr>
<tr>
<td>WT-TYP</td>
<td>6(A)</td>
<td>Standard code for weight handling system type; ex BOOM etc.</td>
</tr>
<tr>
<td>WT-STYP</td>
<td>4(A)</td>
<td>Standard code for weight handling system subtype; ex AFRM (A frame) etc.</td>
</tr>
<tr>
<td>WT-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>WT-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>WT-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td>Segment: WTSYS</td>
<td></td>
<td>Controlling segment of file for detailed data on weight handling systems</td>
</tr>
<tr>
<td>MFR-ID</td>
<td>5(A)</td>
<td>Code number for manufacturer of system</td>
</tr>
<tr>
<td>MFR-NO</td>
<td>12(A)</td>
<td>Manufacturer's model number</td>
</tr>
<tr>
<td>MFR-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>MFR-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>MFR-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td>Segment: WTDESC</td>
<td></td>
<td>Unique segment associated with each iteration of the WTSYS segment containing general descriptive data on the weight handling system</td>
</tr>
<tr>
<td>WT-PRI-FN</td>
<td>20(A)</td>
<td>Primary function system designed for</td>
</tr>
<tr>
<td>WT-PWR-TYP</td>
<td>20(A)</td>
<td>Method for providing power to system</td>
</tr>
<tr>
<td>WT-DYN-POS</td>
<td>1(A)</td>
<td>Dynamic positioning (Y/N)</td>
</tr>
<tr>
<td>DESC-COM1</td>
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</tr>
<tr>
<td>DESC-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>DESC-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td>Segment: WTSPEC</td>
<td></td>
<td>Unique segment associated with each iteration of the WTSYS segment containing specs of the system</td>
</tr>
<tr>
<td>WT-REACH</td>
<td>2(N).1(N)</td>
<td>Maximum reach of system</td>
</tr>
<tr>
<td>WT-CAP</td>
<td>2(N).1(N)</td>
<td>Capacity at maximum reach</td>
</tr>
<tr>
<td>WT-WEIGHT</td>
<td>2(N).1(N)</td>
<td>System weight</td>
</tr>
<tr>
<td>WT-VEL</td>
<td>2(N).1(N)</td>
<td>Lift-off velocity</td>
</tr>
<tr>
<td>WT-MOM</td>
<td>4(N).1(N)</td>
<td>Static tipping moment</td>
</tr>
<tr>
<td>WT-VOL</td>
<td>4(N).1(N)</td>
<td>Volume of system</td>
</tr>
<tr>
<td>WT-COST</td>
<td>3(N).2(N)</td>
<td>Cost of system</td>
</tr>
<tr>
<td>SPEC-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>SPEC-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>SPEC-COM3</td>
<td>General comment field 3</td>
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<tr>
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<td>Controlling segment of file for cross-reference information to the AMV Ships file</td>
<td></td>
</tr>
<tr>
<td>SHIP-ID</td>
<td>Ship ID number for ship contained in AMV database using the weight handling system; same format as that used in the AMV system</td>
<td></td>
</tr>
<tr>
<td>SHIP-NAME</td>
<td>Name of ship in AMV Database</td>
<td></td>
</tr>
<tr>
<td>SHIP-FLAG</td>
<td>Country ship registered in</td>
<td></td>
</tr>
<tr>
<td>Segment: LITREF</td>
<td>Controlling segment of file for cross-reference information to the OEB literature reference database</td>
<td></td>
</tr>
<tr>
<td>REF-NUM</td>
<td>Reference number; OEB internal format for literature reference numbers</td>
<td></td>
</tr>
<tr>
<td>REF-DESC</td>
<td>Brief description of reference</td>
<td></td>
</tr>
</tbody>
</table>
7.0 File VESSAUTO (Vessel Automation Systems)

The Vessel Automation Systems file contains data on various vessel automation systems used for a variety of shipboard applications. Using a combination of a standard type code and a standard subtype code as an entry key to the file, three types of information will be available as follows:

a) Vessel Automation system descriptions and specifications for a number of designs currently and potentially available associated with each VS-TYP/VS-STYP.

b) Listing of ships using the VS-TYP/VS-STYP available in the AMV database (which will give detailed operational characteristics etc. on specific ships).

c) Listing of literature references cataloged by OEB on the VS-TYP/VS-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.
# 7.2 Master File Description for 'VessAuto'

The vessel automation systems file contains data on various types of marine vessel automation systems. Refer to the document "Marine Technology Database (MTD) User's Guide" for more information.

**Designed for:** USCG R&D Center, Ocean Engineering Branch

**Designed by:** M. J. Stevens (VTC)

**Date last rev:** 5/11/87

```plaintext
FILE=VESSAUTO, SUFFIX=FOC

SENAME=MAIN, SECTYPE=S2
  FIELD=VS_TYP , ALIAS=WYP , FORMAT=A6
  FIELD=VS_STYP , ALIAS=WSTYP , FORMAT=A4
  FIELD=VS_COM1 , ALIAS=VCOM1 , FORMAT=A70
  FIELD=VS_COM2 , ALIAS=VCOM2 , FORMAT=A70
  FIELD=VS_COM3 , ALIAS=VCOM3 , FORMAT=A70

SENAME=VASYS, PARENT=MAIN, SECTYPE=S2
  FIELD=MFR_ID , ALIAS=MID , FORMAT=A5
  FIELD=MFR_NO , ALIAS=MNO , FORMAT=A12
  FIELD=MFR_COM1 , ALIAS=MCOM1 , FORMAT=A70
  FIELD=MFR_COM2 , ALIAS=MCOM2 , FORMAT=A70
  FIELD=MFR_COM3 , ALIAS=MCOM3 , FORMAT=A70

SENAME=VADESC, PARENT=VASYS, SECTYPE=U
  FIELD=VA_FN , ALIAS=VFN , FORMAT=A20
  FIELD=VA_IN1 , ALIAS=VIN1 , FORMAT=A20
  FIELD=VA_IN2 , ALIAS=VIN2 , FORMAT=A20
  FIELD=VA_IN3 , ALIAS=VIN3 , FORMAT=A20
  FIELD=VA_OUT1 , ALIAS=VOUT1 , FORMAT=A20
  FIELD=VA_OUT2 , ALIAS=VOUT2 , FORMAT=A20
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  FIELD=VA_COM2 , ALIAS=ACOM2 , FORMAT=A70
  FIELD=VA_COM3 , ALIAS=ACOM3 , FORMAT=A70

SENAME=VA.Spec, PARENT=VASYS, SECTYPE=U
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  FIELD=VA_EFF_RAT , ALIAS=VERAT , FORMAT=F3.1
  FIELD=SPEC_COM1 , ALIAS=SCOM1 , FORMAT=A70
  FIELD=SPEC_COM2 , ALIAS=SCOM2 , FORMAT=A70
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  FIELD=SHIP_NAME , ALIAS=SNM , FORMAT=A20
  FIELD=SHIP_FLAG , ALIAS=SPG , FORMAT=A10

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  FIELD=REF_DESC , ALIAS=RDSC , FORMAT=A40

END MASTER FILE DESC
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### 7.3 File VESSAUTO (Vessel Automation Systems) Data Entry Formats

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<th>Field Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td>Main segment in file; two part key using VA-TYP and VA-STYP for access to file</td>
</tr>
<tr>
<td>VS-TYP</td>
<td>6(A)</td>
<td>Standard code for vessel automation system type</td>
</tr>
<tr>
<td>VS-STYP</td>
<td>4(A)</td>
<td>Standard code for vessel automation system subtype</td>
</tr>
<tr>
<td>VS-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>VS-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>VS-COM3</td>
<td>70(A)</td>
<td>General comment field 3</td>
</tr>
<tr>
<td><strong>Segment: VASYS</strong></td>
<td></td>
<td>Controlling segment of file for detailed data on vessel automation systems</td>
</tr>
<tr>
<td>MFR-ID</td>
<td>5(A)</td>
<td>Code number for manufacturer of system</td>
</tr>
<tr>
<td>MFR-NO</td>
<td>12(A)</td>
<td>Manufacturer's model number</td>
</tr>
<tr>
<td>MFR-COM1</td>
<td>70(A)</td>
<td>General comment field 1</td>
</tr>
<tr>
<td>MFR-COM2</td>
<td>70(A)</td>
<td>General comment field 2</td>
</tr>
<tr>
<td>MFR-COM3</td>
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</tr>
<tr>
<td><strong>Segment: VADESC</strong></td>
<td></td>
<td>Unique segment associated with each iteration of the VASYS segment containing general descriptive data on the vessel automation system</td>
</tr>
<tr>
<td>VA-FN</td>
<td>20(A)</td>
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</tr>
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<td>VA-IN1</td>
<td>20(A)</td>
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</tr>
<tr>
<td>VA-IN2</td>
<td>20(A)</td>
<td>Automation system input 2</td>
</tr>
<tr>
<td>VA-IN3</td>
<td>20(A)</td>
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<td>VA-OUT2</td>
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<td><strong>Segment: VASPEC</strong></td>
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<td>Unique segment associated with each iteration of the VASYS segment containing specs of the system</td>
</tr>
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<td>Cost of automation system</td>
</tr>
<tr>
<td>VA-EFF-RAT</td>
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<td>Effectiveness rating of system</td>
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<tr>
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<td>70(A)</td>
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<tr>
<td>SPEC-COM2</td>
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<td>70(A)</td>
<td>General comment field 3</td>
</tr>
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<td>Segment: AMVREF</td>
<td>Controlling segment of file for cross-reference information to the AMV Ships file</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>----------------------------------------------------------------------------------</td>
<td></td>
</tr>
</tbody>
</table>
| SHIP-ID         | 5(A) Ship ID number for ship contained in AMV database using the vessel automa-
|                 | tion system; same format as that used in the AMV system                           |
| SHIP-NAME       | 20(A) Name of ship in AMV Database                                               |
| SHIP-FLAG       | 10(A) Country ship registered in                                                  |

<table>
<thead>
<tr>
<th>Segment: LITREF</th>
<th>Controlling segment of file for cross-reference information to the OEB literature reference database</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF-NUM</td>
<td>6(A) Reference number; OEB internal format for literature reference numbers</td>
</tr>
<tr>
<td>REF-DESC</td>
<td>40(A) Brief description of reference</td>
</tr>
</tbody>
</table>
8.0 File MFRREF (Manufacturer's Reference File)

The Manufacturer's (and Naval Architects/Designer's) reference file includes basic data items such as addresses, phone numbers, etc. on firms in the file. Each firm has a unique identifying code/number that is used when data on the firm needs to be accessed. These same codes are used in other files such as the HULLCNFG file as cross-references to the MFRREF file when identification of the manufacturer or designer of a system is required.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.
8.2 MASTER FILE DESCRIPTION FOR 'MFRREF'

THE MANUFACTURER'S (AND DESIGN FIRM'S) REFERENCE FILE CONTAINS DATA RELATING EACH MANUFACTURER SUCH AS ADDRESSES, PHONE NUMBERS ETC. REFER TO THE "MARINE TECHNOLOGY DATABASE (MTD) USER'S GUIDE" FOR MORE INFORMATION.

DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH

DESIGNED BY: M. J. STEVENS (VTC)

DATE LAST REV: 5/11/87

FILE=MFRREF, SUFFIX=FOC
SEGNMAME=MAIN, SEGTYPE=S1

FIELD=MFR_ID, ALIAS=MID, FORMAT=A5
FIELD=MFR_NAME, ALIAS=MNAME, FORMAT=A25
FIELD=MFR_ADD1, ALIAS=MAD1, FORMAT=A25
FIELD=MFR_ADD2, ALIAS=MAD2, FORMAT=A25
FIELD=MFR_ADD3, ALIAS=MAD3, FORMAT=A25
FIELD=MFR_PHONE, ALIAS=MPHN, FORMAT=A16
FIELD=MFR_REP, ALIAS=MREP, FORMAT=A25

- END MASTER FILE DESC -
8.3 File MFRREF (Manufacturer's Reference File) Data Entry Formats

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Max Width</th>
<th>Field Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Segment: MAIN</td>
<td></td>
<td>Master segment in file; key for accessing data in the file</td>
</tr>
<tr>
<td>MFR-ID</td>
<td>5(A)</td>
<td>Code number for manufacturer or design firm</td>
</tr>
<tr>
<td>MFR-NAME</td>
<td>25(A)</td>
<td>Firm's name</td>
</tr>
<tr>
<td>MFR-ADD1</td>
<td>25(A)</td>
<td>Firm's address, line (1)</td>
</tr>
<tr>
<td>MFR-ADD2</td>
<td>25(A)</td>
<td>Firm's address, line (2)</td>
</tr>
<tr>
<td>MFR-ADD3</td>
<td>25(A)</td>
<td>Firm's address, line (3)</td>
</tr>
<tr>
<td>MFR-PHONE</td>
<td>16(A)</td>
<td>Firm's phone number</td>
</tr>
<tr>
<td>MFR-REP</td>
<td>25(A)</td>
<td>Firm's representative</td>
</tr>
</tbody>
</table>
9.0 File OEBREF (OEB Literature Reference File)

The OEB Reference file contains data on publications researched and reviewed on various aspects of marine vessel technology. Areas covered include hull configurations, propulsion and propulsor systems, weight handling systems, and vessel automation.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.
THE OCEAN ENGINEERING BRANCH'S LITERATURE REFERENCE FILE CONTAINS REFERENCES RESEARCHED ON VARIOUS ASPECTS OF MARINE TECHNOLOGY. REFER TO THE "MARINE TECHNOLOGY DATABASE (MTD) USER'S GUIDE" FOR MORE INFORMATION.

DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH
DESIGNED BY: M. J. STEVENS (VTC)
DATE LAST REV: 5/11/87

FILE=OEBREF, SUFFIX=FOC
SEGNAME=MAIN, SEGTYPE=S1
  FIELD=REF_NUM, ALIAS=RNO, FORMAT=A6
  FIELD=REF_TITLE, ALIAS=RTITL, FORMAT=A60
  FIELD=REF_SOURCE, ALIAS=RSRC, FORMAT=A40
  FIELD=REF_REP_NO, ALIAS=RRNO, FORMAT=A10
  FIELD=REF_JN_VOL, ALIAS=RJNV, FORMAT=A10
  FIELD=REF_PUB_DT, ALIAS=MPHN, FORMAT=A16
SEGNAME=AUTHOR, PARENT=MAIN, SEGTYPE=S3
  FIELD=AUTH_LN, ALIAS=ALN, FORMAT=A14
  FIELD=AUTH_FN, ALIAS=AFN, FORMAT=A12
  FIELD=AUTH_MI, ALIAS=AMI, FORMAT=A1
SEGNAME=KEYWORD, PARENT=MAIN, SEGTYPE=S1
  FIELD=KEY_WD_NO, ALIAS=KWN, FORMAT=I2
  FIELD=KEY_WORD, ALIAS=KWD, FORMAT=A12
SEGNAME=ABSTRACT, PARENT=MAIN, SEGTYPE=S1
  FIELD=ABS_LN_NO, ALIAS=ABLNG, FORMAT=I2
  FIELD=ABS_TEXT, ALIAS=ABTX, FORMAT=A60

- END MASTER FILE DESC -
### Field Entry Formats

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Max Width</th>
<th>Field Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Segment: MAIN</strong></td>
<td></td>
<td>Master segment in file; key for accessing data in the file is the field REF-NUM</td>
</tr>
<tr>
<td>REF-NUM</td>
<td>6(A)</td>
<td>Six character OEB code identifying publication/reference researched</td>
</tr>
<tr>
<td>REF-TITLE</td>
<td>60(A)</td>
<td>Title of reference</td>
</tr>
<tr>
<td>REF-SOURCE</td>
<td>40(A)</td>
<td>Source of reference</td>
</tr>
<tr>
<td>REF-REP-NO</td>
<td>10(A)</td>
<td>Report number</td>
</tr>
<tr>
<td>REF-JN-VOL</td>
<td>10(A)</td>
<td>Volume number</td>
</tr>
<tr>
<td>REF-PUB-DT</td>
<td>16(A)</td>
<td>Date of publication</td>
</tr>
<tr>
<td><strong>Segment: AUTHOR</strong></td>
<td></td>
<td>Segment of file containing author(s) of publication; access is by all three fields</td>
</tr>
<tr>
<td>REF-AUTH-LN</td>
<td>14(A)</td>
<td>Author's last name</td>
</tr>
<tr>
<td>REF-AUTH-FN</td>
<td>12(A)</td>
<td>Author's first name</td>
</tr>
<tr>
<td>REF-AUTH-MI</td>
<td>1(A)</td>
<td>Author's middle initial</td>
</tr>
<tr>
<td><strong>Segment: KEYWORD</strong></td>
<td></td>
<td>Segment containing selected keywords associated with document.</td>
</tr>
<tr>
<td>KEY-WD-NO</td>
<td>2(N)</td>
<td>Keyword number</td>
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<tr>
<td>KEY-WORD</td>
<td>12(A)</td>
<td>Keyword</td>
</tr>
<tr>
<td><strong>Segment: ABSTRACT</strong></td>
<td></td>
<td>Segment associated with the abstract of the reference</td>
</tr>
<tr>
<td>ABS-LN-NO</td>
<td>2(N)</td>
<td>Abstract line number</td>
</tr>
<tr>
<td>ABS-TEXT</td>
<td>60(A)</td>
<td>Abstract text</td>
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# TABLE OF CONTENTS

1.0 Introduction ............................................................................. B3

2.0 FOCUS '.FEX' Listings ............................................................ B-010-1

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
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<tr>
<td>2.1</td>
<td>OEB010 - Master Menu</td>
<td>B-010-1</td>
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<tr>
<td>2.2</td>
<td>OEB200 - File Maintenance Menu</td>
<td>B-200-1</td>
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<tr>
<td>2.3</td>
<td>OEB210 - HULLCNFG File Maintenance</td>
<td>B-210-1</td>
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<td>2.4</td>
<td>OEB220 - PROPULSN File Maintenance</td>
<td>B-220-1</td>
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<td>2.5</td>
<td>OEB230 - PROPULSR File Maintenance</td>
<td>B-230-1</td>
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<td>OEB240 - WGTHANDL File Maintenance</td>
<td>B-240-1</td>
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<td>2.7</td>
<td>OEB250 - VESSAUTO File Maintenance</td>
<td>B-250-1</td>
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<tr>
<td>2.8</td>
<td>OEB260 - MFRREF File Maintenance</td>
<td>B-260-1</td>
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<td>2.9</td>
<td>OEB270 - OEBREF File Maintenance</td>
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<td>2.10</td>
<td>OEB300 - Report Menu</td>
<td>B-300-1</td>
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<tr>
<td>2.11</td>
<td>OEB310 - HULLCNFG Reports</td>
<td>B-310-1</td>
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<tr>
<td>2.12</td>
<td>OEB320 - PROPULSN Reports</td>
<td>B-320-1</td>
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<tr>
<td>2.13</td>
<td>OEB330 - PROPULSR Reports</td>
<td>B-330-1</td>
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<tr>
<td>2.14</td>
<td>OEB340 - WGTHANDL Reports</td>
<td>B-340-1</td>
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<td>2.15</td>
<td>OEB350 - VESSAUTO Reports</td>
<td>B-350-1</td>
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<td>2.16</td>
<td>OEB360 - MFRREF Reports</td>
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</tr>
<tr>
<td>2.17</td>
<td>OEB370 - OEBREF Reports</td>
<td>B-370-1</td>
</tr>
</tbody>
</table>
1.0 INTRODUCTION

The MTD application consists of a series of FOCEXEC (.FEX extensions) files containing a mixture of "Dialogue Manager" and "Modify" FOCUS code. Where appropriate, the code accesses the Master File Description (.MAS extensions) files described in Appendix A, and, in the case of file maintenance routines or reports, the data files (.FOC extensions).

An MTD user's sub-directory has been created on the Marine Systems Branch's DEC Microvax II to contain the application and the data files. To access the system, log on with MTD as the user name (press [RETURN] at the password prompt; a password is not needed to access the application) and then follow the steps described below:

a) Type 'FOCUS' and press the [RETURN] key
b) Type 'EX OEB010' and press the [RETURN] key

When the master menu is displayed, choose the function desired, type the number of the menu choice, and press the [RETURN] key. The appropriate routine (sub-menu or program) will be executed. When working with file maintenance routines, there are three keys that are used to control the execution of the routines.

The [TAB] key allows movement from one field to another within a given screen display or "form". Entry of data, or modification of existing data, is similar to filling out a paper form. After filling in a given field, press the [TAB] key to advance to the next field. The [UP] and [DOWN] arrows can also be used to move from one field to another.

The [RETURN] key is used to command the system to take the desired action on the form that has just been filled out or modified. If you had chosen an ADD routine from one of the menus, for example, pressing the [RETURN] key would cause whatever was present on the screen (form) to be filed away in the designated data file as a new record. (FOCUS displays error messages if you attempt to add an existing record or delete a non-existing record etc.)

The [PF3] key is used to "QUIT" whatever process you happen to be in without any action being taken on data that may have been entered on the current form. If you press the [PF3] key by mistake while in a menu, the system will respond with the FOCUS prompt ">>". To get back into the MTD system, type "EX OEB010" and then press the [RETURN] key. The master menu will be re-displayed.

At the end of a session with the MTD system, select option 3 from the master menu and press the [RETURN] key. The FOCUS prompt ">>" will appear. Type "FIN" and press the [RETURN] key. The VMS "$" prompt will be displayed; at this point, you can type in "LO" and press the [RETURN] key to log-off the system.

The following pages present the code listings of the FOCEXECs used to build the MTD application. The functions, along with the appropriate program file names are listed below:

MTD Master Menu

OEB010.FEX
File Maintenance Menu

HULLCNFG File Maintenance
PROPULSN File Maintenance
PROPULSR File Maintenance
WGTHANDL File Maintenance
VESSAUTO File Maintenance
MFRREF File Maintenance
OEBREF File Maintenance

Report Menu

HULLCNFG Reports
PROPULSN Reports
PROPULSR Reports
WGTHANDL Reports
VESSAUTO Reports
MFRREF Reports
OEBREF Reports

OEB200.FEX
OEB210.FEX
OEB220.FEX
OEB230.FEX
OEB240.FEX
OEB250.FEX
OEB260.FEX
OEB270.FEX
OEB300.FEX
OEB310.FEX
OEB320.FEX
OEB330.FEX
OEB340.FEX
OEB350.FEX
OEB360.FEX
OEB370.FEX
* MTD SYSTEM MASTER DIRECTORY - OEB010 *
* DESIGNED FOR : USCG R&D CENTER, OCEAN ENGINEERING BRANCH *
* DESIGNED BY : M. J. STEVENS (VTG) *
* DATE LAST REV : 5/12/87 *
* TOP *
* DEFAULTS &OPTION=0 *
* CRTFORM LINE 1 *
* MARINE TECHNOLOGY DATABASE MASTER DIRECTORY - OEB010 *

DIRECTORY OPTIONS

[1] FILE MAINTENANCE
[2] REPORT GENERATION
[3] EXIT SYSTEM

OPTION --> &OPTION

<77 | *
<77 | *
<77 | *
<77 | *


* IF &OPTION EQ 1 GOTO ONE;
* IF &OPTION EQ 2 GOTO TWO;
* IF &OPTION EQ 3 GOTO THREE;
* GOTO TOP

* ONE
* EX OEB200
END
*
* RUN
* GOTO TOP
*
* TWO
* EX OEB300
END
*
* RUN
* GOTO TOP
*
* THREE
*
QUIT
FILE MAINTENANCE ROUTINE FOR HULLCNFG FILE - OEB210

* DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH
* DESIGNED BY: M. J. STEVENS (VTC)
* DATE LAST REV: 5/12/87

Top
- Defaults &option=0
- CRTFORM LINE 1

FILE MAINTENANCE ROUTINES FOR HULLCNFG FILE - OEB210

MAINTENANCE OPTIONS LIST

[1] ADD CONFIGURATION
[2] CHG CONFIGURATION
[3] DEL CONFIGURATION
[4] EXIT HULLCNFG FILE

OPTION --> <&option

<77 |
<77 |
<77 |


- IF &option EQ 1 GOTO ONE;
- IF &option EQ 2 GOTO TWO;
- IF &option EQ 3 GOTO THREE;
- IF &option EQ 4 GOTO FOUR;
- GOTO TOP

ONE

CRTFORM LINE 1

ADD CONFIGURATIONS OPTIONS FOR HULLCNFG FILE - OEB210

OPTIONS LIST

[1] ADD MAIN SEGMENT
[2] ADD HULL SEGMENT
[3] ADD AMV REFERENCE
[4] ADD LITERATURE REF
[5] FM DIRECTORY

OPTION --> <&option

<77 |
<77 |


- IF &option EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE
-
-MAIN1
-
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"
|"
|"
|"
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""
-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO HULL1D;
-IF &OPTION EQ 5 GOTO ONE;
-GOTO HULL1

-HULL1A

MODIFY FILE HULLCNFG
CRTFORM LINE 1

"---------------------------------------------------------------------------
| ADD HULL DESIGNS (HULLDESIGN SEGMENT) |"

" | <77 | "
| TYPE <16 < HULL TYP <77 | "
| SUBTYPE <16 < HULL_STYP <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | 
[TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "

MATCH HULL TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1A

CASE HULL1A

CRTFORM LINE 1

"---------------------------------------------------------------------------
| ADD DESIGNS (HULLDESIGN SEGMENT) |"

" | <77 | "
| MFR/DESIGNER <16 < MFR ID <77 | "
| MFR NUMBER <16 < MFR NO <77 | "
| <77 | "
| <77 | "
| <4 <MFR_COM1 <77 | "
| <4 <MFR_COM2 <77 | "
| <4 <MFR_COM3 <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
[TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "

MATCH MFR ID MFR NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULL1A
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-HULL1B
-
MODIFY FILE HULLCNFG
CRTFORM LINE 1
--- ADD HULL DESCRIPTION (HULLDESC SEGMENT) ---
| <77 |
| TYPE <16 < HULL_TYP <77 |
| SUBTYPE <16 < HULL_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA1B
- *
CASE HULLA1B
- *
CRTFORM LINE 1
--- ADD DESCRIPTION (HULLDESC SEGMENT) ---
| <77 |
| MFR/DESIGNER <16 < MFR_ID <77 |
| MFR_NUMBER <16 < MFR_NO <77 |
| HULL SHAPE <18 < HULL_SHAPE <38 BOW TYPE <50 <HULL_BTYP <77 |
| STERN TYPE <18 < HULL_RTYP <38 HULL MAT <50 <HULL_MAT <77 |
| PLATE THICK <18 < HULL_PTHCK <38 FRAME TYPE <50 <HULL_FTYP <77 |
| WATRTGT GRPS <18 < HULL_WGRPS |
| <77 |
| COMMENTS <77 |
| <77 |
| <4 < HU COM1 <77 |
| <4 < HU_COM2 <77 |
| <4 < HU_COM3 <77 |
| <77 |
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL SHAPE
ON MATCH REJECT

B-210-4
ON NOMATCH INCLUDE
ENDCASE
DATA
END
-RUN
-GOTO HULLI
-HULL1C
MODIFY FILE HULLCNFG
CRTFORM LINE 1
| ADD HULL SPECIFICATIONS (HULLSPEC SEGMENT)
| TYPE <16 < HULL_TYP <77 | |
| SUBTYPE <16 < HULL_STYP <77 | |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| (TAB) NEXT FIELD, [RETURN] TAKE ACTION, [PP3] QUIT
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C
CASE HULL1C
CRTFORM LINE 1
| ADD SPECIFICATIONS (HULLSPEC SEGMENT)
| MFR/DES <20 <MFR_ID <77 |
| MFR NO <20 <MFR_NO <77 |
| LOA <20 <HULL_LOA <38 HULL_LBP <60 <HULL_LBP <77 |
| HULL_BEM <20 <HULL_BEM <38 MX_DRAFT <60 <HULL_MX_DRAFT <77 |
| DL_draft <20 <HULL_DL_draft <38 LT_DRFT <60 <HULL_LS_DRFT <77 |
| FREEBOARD <20 <HULL_FREEB <38 FL_LD_DIS <60 <HULL_FL_DIS <77 |
| DEADEIGHT <20 <HULL_DW <38 DRA_STERN <60 <HULL_DRA_ST <77 |
| DRA MIDCHN <20 <HULL_DRA_MC <38 MX_DPTH <60 <HULL_MX_DPTH <77 |
| BLCH COEFF <20 <HULL_BLCH_CO <38 PRIS_COEFF <60 <HULL_PRIS_CO <77 |
| | | COMENTS <77 |
| <4 <SPEC_COM1 <77 |
| <4 <SPEC_COM2 <77 |
| <4 <SPEC_COM3 <77 |
| (TAB) NEXT FIELD, [RETURN] TAKE ACTION, [PP3] QUIT
MATCH MFR_ID MFR NO
ON NOMATCH REJECT

B-210-5
ON MATCH CONTINUE TO HULL_LOA
ON MATCH REJECT
ON NOMATCH INCLUDE

ENDCASE

DATA
END

-RUN
-GOTO HULL1

-HULL1D

MODIFY FILE HULLCNFG
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>ADD RIDE CONTROL DATA (RIDECNTR SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE &lt;16 &lt; HULL_TYP &lt;77</td>
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<tr>
<td>SUBTYPE &lt;16 &lt; HULL_STYP &lt;77</td>
</tr>
<tr>
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</tbody>
</table>

MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1D

CASE HULL1D

CRTFORM LINE 1

<table>
<thead>
<tr>
<th>ADD RIDE CONTROL DATA (RIDECNTR SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR/DESIGNER &lt;20 &lt; MFR_ID &lt;77</td>
</tr>
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B-210-6
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO CNTR_TYP
   ON MATCH REJECT
   ON NOMATCH INCLUDE

ENDCASE

DATA
END

-RUN
-GOTO HULL1

-AMV1

MODIFY FILE HULLCNFG
CRTFORM LINE 1

"| ADD AMV REFERENCES (AMVREF SEGMENT) |
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MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV1

CASE AMV1

CRTFORM LINE 1

"| ADD AMV REFERENCES (AMVREF SEGMENT) |
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MATCH SHIP ID
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVA1
- *
ENDCASE
- *
DATA END
- *
- RUN
GOTO ONE
- *
- *
- LIT1
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"---------------------------------------------------------------"
ADD LITERATURE REFERENCES (LITREF SEGMENT)
"-------------------------------------------------------------------"
|<77 |
HULL TYPE <16 < HULL_TYP <77 |
HULL SUBTYPE <16 < HULL_STYP <77 |
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DESCRIPTION <17 < REF_DESC <77 |
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B-210-8
MATCH REF NUM
ON MATCH "REJECT"
ON NOMATCH "INCLUDE"
GOTO "LITA1"

ENDCASE

DATA
END

-RUN
-GOTO "ONE"

********************************************************************************

CRTRFORM LINE 1

"|

CHANGE CONFIGURATIONS OPTIONS FOR HULLCNFG FILE - OEB210

OPTIONS LIST

[1] CHG MAIN SEGMENT
[2] CHG HULL SEGMENT
[3] CHG AMV REFERENCES
[4] CHG LITERATURE REFS
[5] FM DIRECTORY

OPTION --> <&OPTION

| <77 |
| <77 |


* -IF &OPTION EQ 1 GOTO "MAIN2";
-IF &OPTION EQ 2 GOTO "HULL2";
-IF &OPTION EQ 3 GOTO "AMV2";
-IF &OPTION EQ 4 GOTO "LIT2";
-IF &OPTION EQ 5 GOTO "TOP";
GOTO "TWO"

MAIN2

MODIFY FILE HULLCNFG
CRTRFORM LINE 1

CHANGE CONFIGURATION (HULLS SEGMENT)

| <77 |
| TYPE <10 < HULL TYP <77 |
| SUBTYPE <10 < HULL STYP <77 |

| <77 |

*[33 ( PRESS RETURN ) <77 |
| <77 |

MATCH HULL TYP HULL STYP
ON NOMATCH "REJECT"

B-210-9
ON MATCH CRTFORM
  | COMMENTS <77 |
  | <77 |
  | <T.HULL_COM1> <77 |
  | <T.HULL_COM2> <77 |
  | <T.HULL_COM3> <77 |
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MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A

CASE HULLA2A

CRTFORM LINE 1

CHG DESIGN (HULLDESN SEGMENT)

MFR/DESIGNER <16 < MFR_ID <77 | |
MFR_NUMBER <16 < MFR_NO <77 | |
<30 ( PRESS RETURN ) <77 | |
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM

COMMENTS <77 | |
<4 <T.MFR_COM1> <77 | |
<4 <T.MFR_COM2> <77 | |
<4 <T.MFR_COM3> <77 | |
<77 | |
<77 | |
<77 | |
<77 | |
<77 | |
<30 ( PRESS RETURN ) <77 | |
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM


ON MATCH UPDATE MFR_COM1 MFR_COM2 MFR_COM3

ENDCASE

DATA
END

-RUN
-GOTO HULL2

-HULL2B

MODIFY FILE HULLCNFG
CRTFORM LINE 1

CHG HULL DESCRIPTION (HULLDESC SEGMENT)

TYPE <16 < HULL_TYP <77 | |
SUBTYPE <16 < HULL_STYP <77 | |
<77 | |
<77 | |
<77 | |
<77 | |
<77 | |
MATCH HULL TYP HULL STYP  
ON NOMATCH REJECT  
ON MATCH GOTO HULLA2B  
*  
CASE HULLA2B  
*  
CRTFORM LINE 1  
*  
| CHG DESCRIPTION (HULLDESC SEGMENT) |  
| MFR/DESIGNER <16 < MFR_ID <77 |  
| MFR NUMBER <16 < MFR_NO <77 |  
| <77 (PRESS RETURN ) <77 T"  
MATCH MFR ID MFR NO  
ON NOMATCH REJECT  
ON MATCH CONTINUE TO HULL SHAPE  
ON NOMATCH REJECT  
ON MATCH CRTFORM  
| HULL SHAPE <18 <T.HULL_SHAPE><38 BOW TYPE <50 <T.HULL_BTP> <77 |  
| STERN TYPE <18 <T.HULL_RTYP> <38 HULL MAT <50 <T.HULL_MAT> <77 |  
| PLATE THICK <18 <T.HULL_PTHCK><38 FRAME TYPE<50 <T.HULL_FTYP> <77 |  
| WATRTGHT GRPS<18 <T.HULL_WGRPS>  
<77 |  
COMMENTS <77 |  
| <77 |  
| <4 <T.HU COM1> <77 |  
| <4 <T.HU COM2> <77 |  
| <4 <T.HU COM3> <77 |  
|  
| (TAB) NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |  
ON MATCH UPDATE HULL SHAPE HULL BTYP HULL RTYP HULL MAT HULL PTHCK  
ON MATCH UPDATE HULL FTYP HULL WGRPS HU COM1 HU COM2 HU COM3 |  
*  
ENDCASE  
*  
DATA  
END  
*  
-RUN  
-GOTO HULL2  
*  
-HULL2C  
*  
MODIFY FILE HULLCNFG  
CRTFORM LINE 1  
*  
| CHG SPECIFICATIONS (HULLSPEC SEGMENT) |  
| <77 |
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2C
*
CASE HULLA2C
*
CRTFORM LINE 1
*
MFR/DESIGNER <16 < MFR_ID <77 |
MFR NUMBER <16 < MFR_NO <30 (PRESS RETURN ) <77 |
*
MATCH MFR_ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL_LOA
ON NOMATCH REJECT
ON MATCH CRTFORM

| LOA <20 <T.HULL LOA> <38 HULL LBP <60 <T.HULL LBP> <77 |
| MX BEAM <20 <T.HULL BEAM> <38 MX DRAFT <60 <T.HULL MX DRAFT> <77 |
| MN DRAFT <20 <T.HULL MN DRAFT> <38 LT DRAFT <60 <T.HULL LS DRAFT> <77 |
| FREEBOARD <20 <T.HULL FBD> <38 FL LD DIS <60 <T.HULL FL_DIS> <77 |
| DEADWEIGHT <20 <T.HULL DWT> <38 DRA STERN <60 <T.HULL DRA_ST> <77 |
| DRA MIDCHN <20 <T.HULL DRA_MC> <38 MX DEPTH <60 <T.HULL MX_DPTH> <77 |
| BLCK COEFF <20 <T.HULL BLCK_CO> <38 PRIS COEFF <60 <T.HULL PRIS_CO> <77 |
| COMMENTS <77 |
| 4 <T.SPEC_COM1> <77 |
| 4 <T.SPEC_COM2> <77 |
| 4 <T.SPEC_COM3> <77 |
*
*
ENDCASE
*
DATA
END
*
-RUN
-GOTO HULL2
*
-HULL2D
*
MODIFY FILE HULLCNFG
CRTFORM LINE 1

<table>
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<tr>
<th>CHG RIDE CONTROL DATA (RIDECNTR SEGMENT)</th>
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MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2D

CASE HULLA2D

CRTFORM LINE 1

<table>
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<tr>
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</tr>
<tr>
<td>MFR_NUMBER &lt;20 &lt; MFR_NO &lt;33 (PRESS RETURN) &lt;77</td>
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MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO CNTR_TYP
ON NOMATCH REJECT
ON MATCH CRTFORM
| <77 | 
| CONTROL TYPE <20 <T.CNTR_TYP> <77 | |
| CONTROL DESC <20 <T.CNTR_DESC> <77 | |
| COMMENTS <77 | |
| <4 <T.CNTR_COM1> <77 | |
| <4 <T.CNTR_COM2> <77 | |
| <4 <T.CNTR_COM3> <77 | |
| <77 | 
| <77 | 
| <77 | 
| <77 | 


ON MATCH UPDATE CNTR_TYP CNTR_DESC CNTR_COM1 CNTR_COM2 CNTR_COM3

ENDCASE

DATA

END

-GOTO HULL2

B-210-14
- AMV2
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"
| CHG AMV REFERENCES (AMVREF SEGMENT) |
"
| <77 | " TYPE 16 < HULL_TYP <77 |
| SUBTYPE 16 < HULL_STYP <77 |
| <77 |
| " MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2
- *
CASE AMV2
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"
| CHG AMV REFERENCES (AMVREF SEGMENT) |
"
| " | <77 |
| <77 |
| <77 |
" MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 |
| " | <77 |
| " | <77 |
| " MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
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| " | <77 |
ON MATCH UPDATE SHIPNAME SHIPFLAG
GOTO AMV2
- *
ENDCASE
- *
DATA
END
- *
B-210-15
-RUN
-GOTO TWO
- *
-LIT2
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1

CHG LITERATURE REFERENCE (LITREF SEGMENT)

| <77 |
| TYPE <16 < HULL_TYP <77 |
| SUBTYPE <16 < HULL_STYP <77 |


MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA2

CASE LITA2
- *
CRTFORM LINE 1

CHG LITERATURE REFERENCE (LITREF SEGMENT)

| <77 |
| REF NUMBER <17 < REF_NUM <77 |
| <33 ( PRESS RETURN ) <77 |

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM

REFERENCE DESCRIPTION

| <77 |
| <77 |
| <8 <T.REF_DESC> <77 |


ON MATCH UPDATE REF_DESC
GOTO LITA2
- *
ENDCASE
- *

B-210-16
DATA
END

-RUN
-GOTO TWO

-THREE

-CRTFORM LINE 1

DELETE CONFIGURATIONS OPTIONS FOR HULLCNFG FILE - OEB210

OPTIONS LIST

[1] DEL MAIN SEGMENT
[2] DEL HULL SEGMENT
[3] DEL AMV REFERENCES
[4] DEL LITERATURE REFS
[5] FM DIRECTORY

OPTION --> <&OPTION

<77 |"
<77 |


-IF &OPTION EQ 1 GOTO MAIN3;
-IF &OPTION EQ 2 GOTO HULL3;
-IF &OPTION EQ 3 GOTO AMV3;
-IF &OPTION EQ 4 GOTO LIT3;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO THREE

MAIN3

MODIFY FILE HULLCNFG
CRTFORM LINE 1

DELETE CONFIGURATION (HULLS SEGMENT)

| TYPE <10 < HULL_TYP <77 |"
| SUBTYPE <10 < HULL_STYP <77 |"
| <77 |
| <33 ( PRESS RETURN ) <77 |

MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM

| COMENTS <77 |
<77 |
<77 |
<4 <D.HULL_COM1 <77 |"
<4 <D.HULL_COM2 <77 |
<4 <D.HULL_COM3 <77 |
<77 |
<77 |
<77 |


B-210-17
ON MATCH DELETE
DATA
END
* -RUN
-GOTO THREE
* -HULL3
* -CRTFORM LINE 1

HULL DESIGN DEL OPTIONS FOR HULLCNFG FILE - OEB210

OPTIONS LIST
[1] DEL HULL DESIGN
[2] DEL HULL DESCRIPTION
[3] DEL HULL SPECIFICATION
[4] DEL RIDE CONTROL SPECS
[5] FM DIRECTORY

OPTION --> <$&OPTION


* -IF &OPTION EQ 1 GOTO HULL3A;
-IF &OPTION EQ 2 GOTO HULL3B;
-IF &OPTION EQ 3 GOTO HULL3C;
-IF &OPTION EQ 4 GOTO HULL3D;
-IF &OPTION EQ 5 GOTO THREE;
-GOTO HULL3
*
-HULL3A
*
MODIFY FILE HULLCNFG
CRTFORM LINE 1

DEL HULL DESIGN (HULLDESIGN SEGMENT)


B-210-18
MATCH HULL TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3A
*
CASE HULLA3A
*
CRTFORM LINE 1
|
  DEL DESIGN (HULLDESN SEGMENT) ;
|
| <77 |
| MFR/DESIGNER <16 < MFR_ID <77 |
| MFR NUMBER <16 < MFR_NO <32 (PRESS RETURN) <77 |
| <77 |
MATCH MFR ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM
|
| <4 <D.MFR_COM1 <77 |
| <4 <D.MFR_COM2 <77 |
| <4 <D.MFR_COM3 <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
|
ON MATCH DELETE
GOTO HULLA3A
*
ENDCASE
*
DATA
END
*
-RUN
-GOTO HULL3
*
-HULL3B
*
MODIFY FILE HULLCNFG
CRTFORM LINE 1
|
  DEL HULL DESCRIPTION (HULLDESC SEGMENT) ;
|
| <77 |
| TYPE <16 < HULL_TYP <77 |
| SUBTYPE <16 < HULL_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

B-210-19
MATCH HULL TYP HULL STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B

CASE HULLA3B

CRTFORM LINE 1

"| DEL DESCRIPTION (HULLDESC SEGMENT) |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR/DESIGNER &lt;16 &lt; MFR_ID &lt;77</td>
</tr>
<tr>
<td>MFR NUMBER &lt;16 &lt; MFR_NO &lt;77</td>
</tr>
<tr>
<td>&lt;30&quot;( PRESS RETURN ) &lt;77</td>
</tr>
</tbody>
</table>

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL SHAPE
ON NOMATCH REJECT
ON MATCH CRTFORM

| HULL SHAPE <18 <D.HULL SHAPE <38 BOW TYPE <50 <D.HULL_BTYP <77 |
| STERN TYPE <18 <D.HULL_RTYP <38 HULL MAT <50 <D.HULL_MAT <77 |
| PLATE THICK <18 <D.HULL_PTHCK <38 FRAME TYPE<50 <D.HULL_FTyP <77 |
| WATRTGHT GRPS<18 <D.HULL_WGRPS <77 |
| COMMENTS <77 |
| <77 |
| <77 |
| <4 <D.HU COM1 <77 |
| <4 <D.HU COM2 <77 |
| <4 <D.HU COM3 <77 |

| (TAB) NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |

ON MATCH DELETE

ENDCASE

DATA

END

-GOTO HULL3

-HULL3C

MODIFY FILE HULLCNFG
CRTFORM LINE 1

"| DEL HULL SPECIFICATIONS (HULLSPEC SEGMENT) |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE &lt;16 &lt; HULL TYP &lt;77</td>
</tr>
<tr>
<td>SUBTYPE &lt;16 &lt; HULL_STYP &lt;77</td>
</tr>
<tr>
<td>&lt;77</td>
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<td>&lt;77</td>
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<tr>
<td>&lt;77</td>
</tr>
</tbody>
</table>
MATCH HULL TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C

CASE HULLA3C

CRTFORM LINE 1

| MFR/DESIGNER | <20 < MFR_ID | <77 |
| MFR NUMBER | <20 < MFR_NO | ( PRESS RETURN ) <77 |

MATCH MFR_ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL_LOA
ON NOMATCH REJECT
ON MATCH CRTFORM

| LAO | <20 <D.HULL_LOA | <38 HULL_LBP | <60 <D.HULL_LBP | <77 |
| MX BEAM | <20 <D.HULL_BEAM | <38 MX DRAFT | <60 <D.HULL_MX_DRAFT | <77 |
| MM DRAFT | <20 <D.HULL_MM_DRAFT | <38 LT DRAFT | <60 <D.HULL_LT_DRAFT | <77 |
| FREEBOARD | <20 <D.HULL_FB5 | <38 FL LD DIS | <60 <D.HULL_FL_DIS | <77 |
| DEADWEIGHT | <20 <D.HULL_DWT | <38 DRA_STERN | <60 <D.HULL_DRA_ST | <77 |
| DRA MIDCHN | <20 <D.HULL_DRA_MC | <38 MX DEPTH | <60 <D.HULL_MX_DPTH | <77 |
| BLCK COEFF | <20 <D.HULL_BLCK_CO | <38 PRIS COEFF | <60 <D.HULL_PRIS_CO | <77 |

| <4 <D.SPEC_COM1 | <77 |
| <4 <D.SPEC_COM2 | <77 |
| <4 <D.SPEC_COM3 | <77 |


ON MATCH DELETE

ENDCASE

DATA
END

- RUN
- GOTO HULL3

MODIFY FILE HULLCNFG
CRTFORM LINE 1

| TYPE | <16 < HULL_TYP | <77 |
| SUBTYPE | <16 < HULL_STYP | <77 |

| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

B-210-21
MATCH HULL TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3D
-
CASE HULLA3D
-
CRTFORM LINE 1
-
| DEL RIDE CONTROL DATA (RIDECNTR SEGMENT) |
|<77 |"
| MFR/DESIGNER <20 < MFR_ID <77 |"
| MFR_NUMBER <20 < MFR_NO <33 (PRESS RETURN) <77 |"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO CNTR_TYP
ON NOMATCH REJECT
ON MATCH CRTFORM
|<77 |"
| CONTROL TYPE <20 < D_CNTR_TYP <77 |"
| CONTROL DESC <20 < D_CNTR_DESC <77 |"
|<77 |"
| COMMENTS <77 |"
|<4 <D_CNTR_COM1 <77 |"
|<4 <D_CNTR_COM2 <77 |"
|<4 <D_CNTR_COM3 <77 |"
|<77 |"
|<77 |"

-
ON MATCH DELETE
-
ENDCASE
-
DATA
END
-
-RUN
-GOTO HULL3
-
-
-AMV3
-
MODIFY FILE HULLCNFG
CRTFORM LINE 1
-
| DEL AMV REFERENCES (AMVREF SEGMENT) |
|<77 |"
| TYPE <16 < HULL_TYP <77 |"
| SUBTYPE <16 < HULL_STYP <77 |"
|<77 |"
|<77 |"
|<77 |"
|<77 |"

B-210-22
MATCH HULL TYP
HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA3
CASE AMVA3
CRTFORM LINE 1
" "
| TAB NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
" "
MATCH HULL TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA3
CASE AMVA3
CRTFORM LINE 1
" "
| DEL AMV REFERENCES (AMVREF SEGMENT) |
" "
| SHIP ID <16 < SHIP_ID <77 |
| <77 |
| ( PRESS RETURN ) <77 |
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" "
| SHIP NAME <16 < D.SHIP_NAME <77 |
| SHIP_FLAG <16 < D.SHIP_FLAG <77 |
| <77 |
| <77 |
| <77 |
| <77 |
ON MATCH DELETE
GOTO AMVA3
ENDCASE
DATA
END
-RUN
-GOTO THREE
-LIT3
MODIFY FILE HULLCNFG
CRTFORM LINE 1
" "
| DEL LITERATURE REFERENCE (LITREF SEGMENT) |
" "
| TYPE <16 < HULL_TYP <77 |
| SUBTYPE <16 < HULL_STYP <77 |
| <77 |
MATCH HULL TYP HULL STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA3

CASE LITA3

CRTFORM LINE 1

DEL LITERATURE REFERENCE (LITREF SEGMENT)

REF NUMBER <17 < REF_NUM <77 |
<77 |
<33 ( PRESS RETURN ) <77 |

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM

REFERENCE DESCRIPTION <77 |

ON MATCH DELETE
GOTO LITA3

ENDCASE

DATA
END

-GOTO THREE

-GOTO TOP

-FOUR

EX OEB200
END
FILE MAINTENANCE ROUTINE FOR PROPULSN FILE - OEB220

* DESIGNED FOR : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
* DESIGNED BY : M. J. STEVENS (VTC)
* DATE LAST REV : 5/12/87

- TOP
- DEFAULTS &OPTION=0
- CRTFORM LINE 1

FILE MAINTENANCE ROUTINES FOR PROPULSN FILE - OEB220

MAINTENANCE OPTIONS LIST

[1] ADD PROPULSION SYS
[2] CHG PROPULSION SYS
[3] DEL PROPULSION SYS
[4] EXIT PROPULSN FILE

OPTION --> &OPTION

<77 |"
<77 |"
<77 |


- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- IF &OPTION EQ 4 GOTO FOUR;
- GOTO TOP

- ONE
- *
- CRTFORM LINE 1

ADD SYSTEMS OPTIONS FOR PROPULSN FILE - OEB220

OPTIONS LIST

[1] ADD MAIN SEGMENT
[2] ADD DESIGN SEGMENT
[3] ADD AMV REFERENCE
[4] ADD LITERATURE REF
[5] FM DIRECTORY

OPTION --> &OPTION

<77 |"
<77 |


- IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE

* MAIN1
*
MODIFY FILE PROPULSN
CRTFORM LINE 1

"|
ADD NEW SYSTEM (PROTYP SEGMENT)
"

"|
TYPE <10 < PRO_TYP <77 | "
| SUBTYPE <10 < PRO_TYP <77 | "
"

"|
<77 | "
| <77 | "
| < PRO_COM1 <77 | "
| < PRO_COM2 <77 | "
| < PRO_COM3 <77 | "
"

"|
COMMENTS: <77 | "
"

| TAB | NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"

MATCH PRO_TYP PRO_TYP
  ON MATCH REJECT
  ON NOMATCH INCLUDE
DATA
END
*
-RUN
-GOTO ONE
*
-HULL1
*
-CRTFORM LINE 1

"|
SYS DESIGN ADD OPTIONS FOR PROPULSN FILE - OEB220
"

OPTIONS LIST
[1] ADD SYS DESIGN
[2] ADD SYS DESCRIPTION
[3] ADD SYS SPECIFICATIONS
[4] ADD DRIVE SPECS
[5] FM DIRECTORY

OPTION --> &OPTION
"

"|
<77 | "
| <77 | "
"

| TAB | NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"
-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO HULL1D;
-IF &OPTION EQ 5 GOTO ONE;
-GOTO HULL1
-*
-HULL1A
-*
MODIFY FILE PROPULSN
CRTFORM LINE 1
------------------------------------------------------------
" " ADD SYS DESIGNS (PROSYS SEGMENT)
------------------------------------------------------------
" TYPE " <16 < PRO_TYP <77 |
" SUBTYPE " <16 < PRO_STYP <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" "[TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT  
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1A
-*
CASE HULL1A
-*
CRTFORM LINE 1
------------------------------------------------------------
" " ADD DESIGNS (PROSYS SEGMENT)
------------------------------------------------------------
" MFR/DESIGNER " <16 < MFR ID <77 |
" MFR_NUMBER " <16 < MFR_NO <77 |
" <77 |
" " COMMENTS <77 |
" <77 |
" <4 <MFR_COM1 <77 |
" <4 <MFR_COM2 <77 |
" <4 <MFR_COM3 <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" "[TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT 
MATCH MFR_ID MFR_NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULL1A
-*
ENDCASE
*
DATA
END
*
-RUN
-GOTO HULL1
*
-HULL1B
*
MODIFY FILE PROPULSN
CRTFORM LINE 1
<table>
<thead>
<tr>
<th>ADD SYS DESCRIPTION (PRODESC SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>----------------------------------------</td>
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</tbody>
</table>
MATCH PRO_TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1B
*
CASE HULL1B
*
CRTFORM LINE 1
<table>
<thead>
<tr>
<th>ADD DESCRIPTION (PRODESC SEGMENT)</th>
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<tbody>
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</tr>
</tbody>
</table>
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_FNCTN
ON MATCH REJECT
ON NOMATCH INCLUDE

ENDCASE

DATA
END

RUN
GOTO HULL1C

MODIFY FILE PROPULSN
CRTFORM LINE 1

ADD SYS SPECIFICATIONS (PROSPEC SEGMENT)

| TYPE <16 < PRO_TYP <77 |
| SUBTYPE <16 < PRO_STYPE <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |


MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C

CASE HULL1C

CRTFORM LINE 1

*** ADD SPECIFICATIONS (PROSPEC SEGMENT) ***

| MFR/DES <20 <MFR_ID <77 |
| MFR NO <20 <MFR_NO <77 |
| HP <20 <PRO_HP <38 RPM <60 <PRO_RPM <77 |
| VOLUME <20 <PRO_VOL <38 WEIGHT <60 <PRO_WEIGHT <77 |
| LENGTH <20 <PRO_LEN <38 WIDTH <60 <PRO_WIDTH <77 |
| HEIGHT <20 <PRO_HEIGHT <38 SFC <60 <PRO_SFC <77 |
| PWR/COST <20 <PRO_PWR_CST <38 MNT COST <60 <PRO_MNT_CST <77 |
| MNT HOURS <20 <PRO_MNT_MHR <38 CYCLES <60 <PRO_CYCLES <77 |
| NO CYLDRS <20 <PRO_NO_CYL <38 STROKE <60 <PRO_STROKE <77 |
| BORE <20 <PRO_BORE <38 MEF <60 <PRO_MEF <77 |
| REL RATING <20 <PRO_REL_RAT <38 ORD TM <60 <PRO_ORD_TM <77 |
| DIS <20 <PRO_DIS <77 |
| COMENTS <77 |
| <4 <SPEC_COM1 <77 |
| <4 <SPEC_COM2 <77 |
| <4 <SPEC_COM3 <77 |


MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_HP
ON MATCH REJECT
ON NOMATCH INCLUDE

ENDCASE

DATA END

RUN
-GOTO HULL1

-HULL1D

MODIFY FILE PROPULSN
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>ADD DRIVE SYSTEM DATA (PRODRV SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>TYPE &lt;16 &lt; PRO_TYP &lt;77</td>
</tr>
<tr>
<td>SUBTYPE &lt;16 &lt; PRO_STYP &lt;77</td>
</tr>
<tr>
<td>&lt;77</td>
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<tr>
<td>&lt;77</td>
</tr>
</tbody>
</table>


MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1D

CASE HULL1D

CRTFORM LINE 1

<table>
<thead>
<tr>
<th>ADD DRIVE SYSTEM DATA (PRODRV SEGMENT)</th>
</tr>
</thead>
</table>
| " |"
| MFR/DESIGNER <20 < MFR_ID <77 | " |
| MFR_NUMBER <20 < MFR_NO <77 | " |
| DRIVE MFR <20 < DRV_MFR <77 | " |
| DRIVE MODEL <20 < DRV_MOD <77 | " |
| DRIVE TYPE <20 < DRV_TYP <77 | " |
| RED_RATIO <20 < DRV_RED_RAT <77 | " |
| VOLUME <20 < DRV_VOL <77 | " |
| WEIGHT <20 < DRV_WEIGHT <77 | " |
| REVERSING (Y/N) <20 < DRV_REV <77 | " |
| COMMENTS <77 | " |
| <4 < DRV_COM1 <77 | " |
| <4 < DRV_COM2 <77 | " |
| <4 < DRV_COM3 <77 | " |


B-220-6
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO DRV_MFR
ON MATCH REJECT
ON NOMATCH INCLUDE

ENDCASE

DATA
END

-GOTO HULL1

MODIFY FILE PROPULSN
CRTFORM LINE 1

ADD AMV REFERENCES (AMVREF SEGMENT)

|<77 |
|SYS TYPE <16 < PRO_TYP |<77 |
|SYS SUBTYPE <16 < PRO_STYP |<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |


MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA1

CASE AMVA1

CRTFORM LINE 1

ADD AMV REFERENCES (AMVREF SEGMENT)

|<77 |
|SHIP ID <16 < SHIP_ID |<77 |
|<77 |
|SHIP NAME <16 < SHIP_NAME |<77 |
|SHIP FLAG <16 < SHIP_FLAG |<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |

B-220-7
MATCH SHIP ID
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVA1
  * 
ENDCASE
  * 
DATA
  * 
END
  * 
RUN
  * 
GOTO ONE
  * 
  *
LIT1
  *
MODIFY FILE PROPULSN
CRTFORM LINE 1
  *
| ADD LITERATURE REFERENCES (LITREF SEGMENT) |
  *
| | 
| | SYS TYPE <16 < PRO_TYP <77 |
| | SYS SUBTYPE <16 < PRO_STYP <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
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| | <77 |
| | <77 |
| | <77 |
| | 

  *
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO LIT1
  *
CASE LIT1
  *
CRTFORM LINE 1
  *
| ADD LITERATURE REFERENCES (LITREF SEGMENT) |
  *
| | 
| | REFERENCE NO <17 < REF_NUM <77 |
| | <77 |
| | DESCRIPTION <17 < REF_DESC <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
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| | <77 |
| | <77 |
| | <77 |
| | <77 |
| | <77 |
MATCH REF NUM
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO LITA1
*
ENDCASE
*
DATA
END
*
-RUN
-GOTO ONE
*******************************************************************************
-TWO
*******************************************************************************
-CRTFORM LINE 1
"|
CHANGE CONFIGURATIONS OPTIONS FOR PROPULSN FILE - OEB220
|
OPTIONS LIST
|
[1] CHG MAIN SEGMENT
[2] CHG DESIGN SEGMENT
[3] CHG AMV REFERENCES
[4] CHG LITERATURE REFS
[5] FM DIRECTORY
|
OPTION --> &OPTION
 |
 "|<77 |"
"|<77 |"
 |
|
|
-IF &OPTION EQ 1 GOTO MAIN2;
-IF &OPTION EQ 2 GOTO HULL2;
-IF &OPTION EQ 3 GOTO AMV2;
-IF &OPTION EQ 4 GOTO LIT2;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO TWO
*
-MAIN2
*
MODIFY FILE PROPULSN
CRTFORM LINE 1
"|
CHANGE MAIN SYSTEM (PROTYP SEGMENT)
|
"|<77 |
"| TYPE <10 < PRO_TYP <77 |
"| SUBTYPE <10 < PRO_STYP <77 |
"|<77 |
"|<33 ( PRESS RETURN ) <77 |
"|<77 |
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
|
|
B-220-9
ON MATCH CRTFORM

COMMENTS <77 | "
|<77 | "
|<T.PRO_COM1> <77 | "
|<T.PRO_COM2> <77 | "
|<T.PRO_COM3> <77 | "
|<77 | "
|<77 | "
|<77 | "


ON MATCH UPDATE PRO_COM1 PRO_COM2 PRO_COM3

DATA

END

-RUN
-GOTO TWO

-HULL2

-CRTFORM LINE 1

-----

SYS DESIGN CHG OPTIONS FOR PROPULSN FILE - OEB220

-----

OPTIONS LIST

[1] CHG SYS DESIGN
[2] CHG SYS DESCRIPTION
[3] CHG SYS SPECIFICATIONS
[4] CHG DRIVE SPECS
[5] FM DIRECTORY

OPTION --> <&OPTION

-----


-----

-IF &OPTION EQ 1 GOTO HULL2A;
-IF &OPTION EQ 2 GOTO HULL2B;
-IF &OPTION EQ 3 GOTO HULL2C;
-IF &OPTION EQ 4 GOTO HULL2D;
-IF &OPTION EQ 5 GOTO TWO;
-GOTO HULL2

-HULL2A

MODIFY FILE PROPULSN
CRTLFORM LINE 1

-----

CHG SYS DESIGN (PROSYS SEGMENT)

-----

<77 | "
" TYPE <16 < PRO_TYP <77 | "
" SUBTYPE <16 < PRO_STYP <77 | "
<77 | "
<77 | "
<77 | "

B-220-10
MATCH PRO_TYP PRO_STYP
  ON NOMATCH REJECT
  ON MATCH GOTO HULLA2B
-
CASE HULLA2B
-
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG DESCRIPTION (PRODESC SEGMENT)</th>
</tr>
</thead>
</table>
| MFR/DESIGNER <16 <MFR_ID> <77 |"
| MFR NUMBER   <16 <MFR_NO> <77 |"
| <30' (PRESS RETURN ) <77 |"

MATCH MFR ID MFR NO
  ON NOMATCH REJECT
  ON MATCH CONTINUE TO PRO_FNCTN
  ON NOMATCH REJECT
  ON MATCH CRTFORM
  " | FUNCTION <13 <T.PRO_FNCTN> <38 HP TYPE <50 <T.PRO_HP_TYP> <77 |"
  " | HP COMMENT <13 <T.PRO_HP_COM> <38 FUEL TYPE <50 <T.PRO_FUEL> <77 |"
  " | ST METHOD <13 <T.PRO_ST_MTHD> <38 TURBO (Y/N) <50 <T.PRO_TURBO> <77 |"
  " | <77 |"
  " | <77 |"
  " | <4 <T.PR_COM1> <77 |"
  " | <4 <T.PR_COM2> <77 |"
  " | <4 <T.PR_COM3> <77 |"
  " | <77 |"


ON MATCH UPDATE PRO_FNCTN PRO_HP_TYP PRO_HP_COM PRO_FUEL PRO_ST_MTHD
  ON MATCH UPDATE PRO_TURBO PRX.COM1 PRX.COM2 PRX.COM3

ENDCASE
-
DATA
END
-
-RUN
-GOTO HULL2
-
-HULL2C
-
MODIFY FILE PROPULSN
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG SPECIFICATIONS (PROSPEC SEGMENT)</th>
</tr>
</thead>
</table>
| <77 |"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2C

CASE HULLA2C

CRTFORM LINE 1

----------------------------------------------------------------------------------------

FFF CHG SPECIFICATIONS (PROSPEC SEGMENT) FFF

| MFR/DESIGNER | <16 MFR_ID | <77 |
| MFR NUMBER | <16 MFR_NO | <30 (PRESS RETURN) | <77 |

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_HP
ON NOMATCH REJECT
ON MATCH CRTFORM

HP | <20 T.PRO_HP> | <38 RPM | <60 T.PRO_RPM> | <77 |
VOLUME | <20 T.PRO_VOL> | <38 WEIGHT | <60 T.PRO_WEIGHT> | <77 |
LENGTH | <20 T.PRO_LEN> | <38 WIDTH | <60 T.PRO_WIDTH> | <77 |
HEIGHT | <20 T.PRO_HEIGHT> | <38 SFC | <60 T.PRO_SFC> | <77 |
PWR/COST | <20 T.PRO_PWR_COST> | <38 MNT COST | <60 T.PRO_MNT_COST> | <77 |
MNT HOURS | <20 T.PRO_MNT_MHR> | <38 CYCLES | <60 T.PRO_CYCLE> | <77 |
NO CYLDRS | <20 T.PRO_NO_CYL> | <38 STROKE | <60 T.PRO_STROKE> | <77 |
BORE | <20 T.PRO_BORE> | <38 MEP | <60 T.PRO_MEP> | <77 |
REL RATING | <20 T.PRO_REL_RAT> | <38 ORD TM | <60 T.PRO_ORD_TM> | <77 |
DIS | <20 T.PRO_DIS> | <77 |
COMMENTS | <77 |

<4 T.SPEC_COM1 | <77 |
<4 T.SPEC_COM2 | <77 |
<4 T.SPEC_COM3 | <77 |

----------------------------------------------------------------------------------------

ENDCASE

DATA
END

-RUN
-GOTO HULL2

END

HULL2D

B-220-13
MODIFY FILE PROPULSN
CRTFORM LINE 1

CHG DRIVE SYSTEM DATA (PRODRV SEGMENT)

TYPE <16 < PRO_TYP <77 |
SUBTYPE <16 < PRO_STYP <77 |
MFR/DESIGNER <20 < MFR_ID <77 |
MFR NUMBER <20 < MFR_NO <33 (PRESS RETURN) <77 |
RED RATIO <20 < T.DRV_RED RAT <77 |
VOLUME <20 < T.DRV_VOLS <77 |
WEIGHT <20 < T.DRV_WEIGHT <77 |
REVERSING (Y/N) <20 < T.DRV_REV <77 |
COMMENTS <77 |


MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2D

CASE HULLA2D

CRTFORM LINE 1

CHG DRIVE SYSTEM DATA (PRODRV SEGMENT)

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO DRVMFR
ON NOMATCH REJECT
ON MATCH CRTFORM

DRIVE MFR <70 < T.DRV_MFR <77 |
DRIVE MODEL <20 < T.DRV_MOD <77 |
DRIVE_TYPE <20 < T.DRV_TYP <77 |
RED RATIO <20 < T.DRV_RED RAT <77 |
VOLUME <20 < T.DRV_VOLS <77 |
WEIGHT <20 < T.DRV_WEIGHT <77 |
REVERSING (Y/N) <20 < T.DRV_REV <77 |
COMMENTS <77 |


ON MATCH UPDATE DRV_MFR DRV_MOD DRV_TYP DRV_RED_RAT DRV_VOL
ON MATCH UPDATE DRV_WEIGHT DRV_REV DRV_COM1 DRV_COM2 DRV_COM3

ENDCASE

DATA
END

B-220-14
-RUN
-GOTO HULL2
-AMV2
MODIFY FILE PROPULSN
CRTFORM LINE 1
CHG AMV REFERENCES (AMVREF SEGMENT)

| <77 | " TYPE  <16 < PRO_TYP  <77 |"
| <77 | " SUBTYPE <16 < PRO_STYP <77 |"


MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2

CASE AMV2
CRTFORM LINE 1
CHG AMV REFERENCES (AMVREF SEGMENT)

| <77 | " SHIP ID <16 < SHIP_ID <77 |"
| <77 | " <33 ( PRESS RETURN ) <77 |"

MATCH SHIP_ID
ON NOMATCH REJECT
ON MATCH CRTFORM
| <77 | " SHIP NAME <16 < T.SHIP_NAME <77 |"
| <77 | " SHIP FLAG <16 < T.SHIP_FLAG <77 |"


ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2

ENDCASE

DATA
END

-RUN
-GOTO TWO

-LIT2

MODIFY FILE PROPULSN

CRTFORM LINE 1

"--- CHG LITERATURE REFERENCE (LITREF SEGMENT) ---"

" |<77 |
" TYPE <16 < PRO_TYP <77 |
" SUBTYPE <16 < PRO_SUB <77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |


MATCH PRO_TYP PRO_SUB
ON NOMATCH REJECT
ON MATCH GOTO LITA2

CASE LITA2

CRTFORM LINE 1

" --- CHG LITERATURE REFERENCE (LITREF SEGMENT) ---"

" |<77 |
" REF NUMBER <17 < REF_NUM <77 |
" |<77 |
" |<33 ( PRESS RETURN ) <77 |

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM

" |<77 |
" <77 |
" <8 < T.REF_DESC > <77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |
" |<77 |


ON MATCH UPDATE REF_DESC
GOTO LITA2

B-220-16
ENDCASE
- *
DATA
END
- *
RUN
GOTO TWO
**********************************************************************
THREE
**********************************************************************
CRTFORM LINE 1
DELETE SYSTEMS OPTIONS FOR PROPULSN FILE - OEB220

OPTIONS LIST
[1] DEL MAIN SEGMENT
[2] DEL DESIGN SEGMENT
[3] DEL AMV REFERENCES
[4] DEL LITERATURE REFS
[5] FM DIRECTORY

OPTION --> &OPTION

<77 |
<77 |


- IF &OPTION EQ 1 GOTO MAIN3;
- IF &OPTION EQ 2 GOTO HULL3;
- IF &OPTION EQ 3 GOTO AMV3;
- IF &OPTION EQ 4 GOTO LIT3;
- IF &OPTION EQ 5 GOTO TOP;
- GOTO THREE
-
MAIN3
-
MODIFY FILE PROPULSN
CRTFORM LINE 1
DELETE MAIN SYSTEM (PROTYP SEGMENT)

<77 |
TYPE <10 < PRO_TYP <77 |
SUBTYPE <10 < PRO_STYP <77 |
<77 |
<33 ( PRESS RETURN ) <77 |

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM
<77 |
COMMENTS <77 |
<4 <D.PRO_COM1 <77 |
<4 <D.PRO_COM2 <77 |
<4 <D.PRO_COM3 <77 |
<77 |
<77 |
<77 |
ON MATCH DELETE
DATA
END
*-
-RUN
-GOTO THREE
*-
-HULL3
*-
-CRTFORM LINE 1
*-

SYS DESIGN DEL OPTIONS FOR PROPULSN FILE - OEB220
*-

OPTIONS LIST

[1] DEL SYS DESIGN
[2] DEL SYS DESCRIPTION
[3] DEL SYS SPECIFICATIONS
[4] DEL DRIVE SYS SPECS
[5] FM DIRECTORY

OPTION --> <&OPTION


-IF &OPTION EQ 1 GOTO HULL3A;
-IF &OPTION EQ 2 GOTO HULL3B;
-IF &OPTION EQ 3 GOTO HULL3C;
-IF &OPTION EQ 4 GOTO HULL3D;
-IF &OPTION EQ 5 GOTO THREE;
-GOTO HULL3
*-

-HULL3A
*-

MODIFY FILE PROPULSN
-CRTFORM LINE 1

DEL SYS DESIGN (PROSYS SEGMENT)

<TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3A
CASE HULLA3A
CRTFORM LINE 1

DEL DESIGN (PROSYS SEGMENT) |

| <77 |
| MFR/DESIGNER <16 < MFR_ID <77 |
| MFR NUMBER <16 < MFR_NO <32 (PRESS RETURN) <77 |
| <77 |
MATCH MFR ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM

COMMENTS <77 |

| <4 <D.MFR_COM1 <77 |
| <4 <D.MFR_COM2 <77 |
| <4 <D.MFR_COM3 <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

ON MATCH DELETE
GOTO HULLA3A
ENDCASE
DATA
END
-RUN
-GOTO HULL3
-HULL3B
MODIFY FILE PROPULSN
CRTFORM LINE 1

DEL SYS DESCRIPTION (PRODESC SEGMENT) |

| <77 |
| TYPE <16 < PRO TYP <77 |
| SUBTYPE <16 < PRO_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

B-220-19
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B
*
CASE HULLA3B
*
CRTFORM LINE 1
*
DEL DESCRIPTION (PRODESC SEGMENT)
*
| MFR/DESIGNER <16 < MFR_ID <77 |
| MFR NUMBER <16 < MFR_NO <77 |
| <30" ( PRESS RETURN ) <77 |
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_FNCTN
ON NOMATCH REJECT
ON MATCH CRTFORM
*
FUNCTION <13 <D.PRO_FNCTN> <38 HP TYPE <50 <D.PRO_HP_TYP><77 |
* HP COMMENT<13 <D.PRO_HP_COM> <38 FUEL TYPE <50 <D.PRO_FUEL> <77 |
* ST METHOD <13 <D.PRO_ST_MTHD> <38 TURBO (Y/N)<50 <D.PRO_TURBO> <77 |
* <77 |
| COMMENTS <77 |
| <77 |
| <4 <D.PR_COM1> <77 |
| <4 <D.PR_COM2> <77 |
| <4 <D.PR_COM3> <77 |
| <77 |
*
*
ON MATCH DELETE
*
ENDCASE
*
DATA
END
*
-RUN
-GOTO HULL3
*
-HULL3C
*
MODIFY FILE PROPSLUN
CRTFORM LINE 1
*
DEL SYS SPECIFICATIONS (PROSPEC SEGMENT)
*
| <77 |
| TYPE <16 < PRO TYP <77 |
| SUBTYPE <16 < PRO_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

B-220-20
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C

CASE HULLA3C

CRTFORM LINE 1

** DEL DESCRIPTION (PROSPEC SEGMENT) **

MFR/DESIGNER <20 <MFR_ID <77 |
MFR NUMBER <20 <MFR_NO (PRESS RETURN) <77 |
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_HP
ON NOMATCH REJECT
ON MATCH CRTFORM

HP <20 <D.PRO_HP> <38 RPM <60 <D.PRO_RPM> <77 |
VOLUME <20 <D.PRO_VOL> <38 WEIGHT <60 <D.PRO_WEIGHT> <77 |
LENGTH <20 <D.PRO_LEN> <38 WIDTH <60 <D.PRO_WIDTH> <77 |
HEIGHT <20 <D.PRO_HEIGHT> <38 SFC <60 <D.PRO_SFC> <77 |
PWR/COST <20 <D.PRO_PWR_CST> <38 MNT COST <60 <D.PRO_MNT_CST> <77 |
MNT HOURS <20 <D.PRO_MNT_MHR> <38 CYCLES <60 <D.PRO_CYCLE> <77 |
NO CYLDRS <20 <D.PRO_NO_CYL> <38 STROKE <60 <D.PRO_STROK> <77 |
BORE <20 <D.PRO_BORE> <38 MEP <60 <D.PRO_MEP> <77 |
REL RATING <20 <D.PRO_REL_RAT> <38 ORD TM <60 <D.PRO_ORD_TM> <77 |
DIS <20 <D.PRO_DIS> <77 |

COMMENTS <77 |

<4 <D.SPEC_COM1> <77 |
<4 <D.SPEC_COM2> <77 |
<4 <D.SPEC_COM3> <77 |


ENDCASE

DATA
END

-RUN
GOTO HULL3

-HULL3D

MODIFY FILE PROPULSN
CRTFORM LINE 1

** DEL DRIVE SYSTEM DATA (PRODRV SEGMENT) **

TYPE <16 <PRO_TYP <77 |
SUBTYPE <16 <PRO_STYP <77 |

** [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT ***
**CASE HULLA3D**

**CRTFORM LINE 1**

```plaintext
DEL DRIVE SYSTEM DATA (PRODRV SEGMENT)
```

```plaintext
MFR/DESIGNER <20 <FMR_ID ><77 |>
MFR NUMBER <20 <MFR_NO ><33 (PRESS RETURN) <77 |>
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO DRV_MFR
ON NOMATCH REJECT
ON MATCH CRTFORM
```

```plaintext
DRIVE MFR <20 <D.DRV_MFR ><77 |>
DRIVE MODEL <20 <D.DRV_MOD ><77 |>
DRIVE TYPE <20 <D.DRV_TYP ><77 |>
RED RATIO <20 <D.DRV_RED_RAT ><77 |>
VOLUME <20 <D.DRV_VOL ><77 |>
WEIGHT <20 <D.DRV_WEIGHT ><77 |>
REVERSING (Y/N) <20 <D.DRV_REV ><77 |>
COMMENTS <77 |>
```

```plaintext
<4 <D.DRV_COM1 ><77 |>
<4 <D.DRV_COM2 ><77 |>
<4 <D.DRV_COM3 ><77 |>
```

**ON MATCH DELETE**

**ENDCASE**

**DATA**

**END**

**-RUN**

**-GOTO HULL3**

**-AMV3**

**MODIFY FILE PROPULSN**

**CRTFORM LINE 1**

```plaintext
```

```plaintext
DEL AMV REFERENCES (AMVREF SEGMENT)
```

```plaintext
TYPE <16 <PRO_TYP ><77 |>
SUBTYPE <16 <PRO_STYP ><77 |>
```

**B-220-22**
MATCH PRTYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA3
*
CASE AMVA3
*
CRTFORM LINE 1
| DEL AMV REFERENCES (AMVREF SEGMENT) |

| SHIP ID <16 < SHIP_ID <77 |
| <77 |
| <33 ( PRESS RETURN ) <77 |

MATCH SHIP_ID
ON NOMATCH REJECT
ON MATCH CRTFORM
| SHIP NAME <16 < D.SHIP_NAME <77 |
| SHIPFLAG <16 < D.SHIP_FLAG <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |


ON MATCH DELETE
GOTO AMVA3
*
ENDCASE
*
DATA
END
*
- RUN
- GOTO THREE
*
*
- LIT3
*
MODIFY FILE PROPULSN
CRTFORM LINE 1
| DEL LITERATURE REFERENCE (LITREF SEGMENT) |

B-220-23
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA3

CASE LITA3

CRTFORM LINE 1

<table>
<thead>
<tr>
<th>MATCH PRO_TYP PRO_STYP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON NOMATCH REJECT</td>
</tr>
<tr>
<td>ON MATCH GOTO LITA3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CASE LITA3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRTFORM</td>
</tr>
<tr>
<td>CRTFORM</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>REF NUMBER</th>
<th>REF_NUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
<td></td>
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<table>
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<tr>
<th>REFERENCE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
</tr>
</tbody>
</table>

|-------------------------------------------------|

ON MATCH DELETE
GOTO LITA3

ENDCASE

DATA
END

RUN
-GOTO THREE

RUN
-GOTO TOP

FOUR

B-220-24
EX OEB200
END
~
~RUN
~GOTO TOP
FILE MAINTENANCE ROUTINE FOR PROPULSR FILE - OEB230

* DESIGNED FOR : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
* DESIGNED BY : M. J. STEVENS (VTC)
* DATE LAST REV : 5/12/87

TOP
-DEFAULTS &OPTION=0
-CRTFORM LINE 1

MAINTENANCE OPTIONS LIST

[1] ADD PROPULSOR SYS
[2] CHG PROPULSOR SYS
[3] DEL PROPULSOR SYS
[4] EXIT PROPULSOR FILE

OPTION --> <&OPTION

TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

-IF &OPTION EQ 1 GOTO ONE;
-IF &OPTION EQ 2 GOTO TWO;
-IF &OPTION EQ 3 GOTO THREE;
-IF &OPTION EQ 4 GOTO FOUR;
-GOTO TOP

ONE
-CRTFORM LINE 1

ADD SYSTEM OPTIONS FOR PROPULSR FILE - OEB230

OPTIONS LIST

[1] ADD MAIN SEGMENT
[2] ADD DESIGN SEGMENT
[3] ADD AMV REFERENCE
[4] ADD LITERATURE REF
[5] FM DIRECTORY

OPTION --> <&OPTION


-IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE

MAIN1

MODIFY FILE PROPULSR
CRTFORM LINE 1

ADD NEW SYSTEM (PROTYP SEGMENT) 

TYPE <10 < PRO_TYP <77 |
SUBTYPE <10 < PRO_STYP <77 

COMMENTS: <77 |

<77 |
< PRO_COM1 <77 |
< PRO_COM2 <77 |
< PRO_COM3 <77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |


MATCH PRO_TYP PRO_STYP
ON MATCH REJECT
ON NOMATCH INCLUDE
DATA
END

RUN
-GOTO ONE

HULL1

CRTFORM LINE 1

SYS DESIGN ADD OPTIONS FOR PROPULSR FILE - OEB230

OPTIONS LIST

[1] ADD SYS DESIGN
[2] ADD SYS DESCRIPTION
[3] ADD SYS SPECIFICATIONS
[4] ADD SHAFT SPECS
[5] FM DIRECTORY

OPTION --> <&OPTION

<77 |
<77 |


B-230-2
-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO HULL1D;
-IF &OPTION EQ 5 GOTO ONE;
-GOTO HULL1

-HULL1A

MODIFY FILE PROPULSR
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>ADD SYS DESIGNS (PROSYS SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type &lt;16 &lt; PRO_TYP &lt;77</td>
</tr>
<tr>
<td>Subtype &lt;16 &lt; PRO_STYP &lt;77</td>
</tr>
</tbody>
</table>


MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1A

CASE HULL1A

CRTFORM LINE 1

<table>
<thead>
<tr>
<th>ADD DESIGNS (PROSYS SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR/DESIGNER &lt;16 &lt; MFR_ID &lt;77</td>
</tr>
<tr>
<td>MFR_NUMBER &lt;16 &lt; MFR_NO &lt;77</td>
</tr>
</tbody>
</table>

| COMMENTS <77 | |
|---------------|
| MFR/ID <77 | |
| MFR/NO <77 | |


MATCH MFR_ID MFR_NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULL1A
MODIFY FILE PROPULSR
CRTFORM LINE 1

| ADD SYS DESCRIPTION (PRODESC SEGMENT) |

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLAIB

CASE HULLAIB

CRTFORM LINE 1

| ADD DESCRIPTION (PRODESC SEGMENT) |

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_TRAIN
ON MATCH REJECT
ON NOMATCH INCLUDE
ENDCASE
DATA
END
-RUN
-GOTO HULL1
-CASE HULL1C
MODIFY FILE PROPULSR
CRTFORM LINE 1
<table>
<thead>
<tr>
<th>ADD SYS SPECIFICATIONS (PROSPEC SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
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<tr>
<td>TAB NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT</td>
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</table>
 MATCH PRO_TYP PRO_STYP
 ON NOMATCH REJECT ON MATCH GOTO HULL1C
-CASE HULL1C
-CRTFORM LINE 1
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<tr>
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<td>MFR NO &lt;20 &lt;MFR_NO &lt;77</td>
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<tr>
<td>PROP_DIA &lt;20 &lt;PRO_DIA &lt;38 WEIGHT &lt;60 &lt;PRO_WEIGHT &lt;77</td>
</tr>
<tr>
<td>MAX_PITCH &lt;20 &lt;PRO_PITCH_MX &lt;38 NO BLADES &lt;60 &lt;PRO_NO_BLD &lt;77</td>
</tr>
<tr>
<td>AREA_RATIO &lt;20 &lt;PRO_AREA_RAT &lt;77</td>
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<td>COMMENTS &lt;77</td>
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<tr>
<td>&lt;4 &lt;SPEC_COM1 &lt;77</td>
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<tr>
<td>&lt;4 &lt;SPEC_COM2 &lt;77</td>
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<tr>
<td>&lt;4 &lt;SPEC_COM3 &lt;77</td>
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<td>&lt;77</td>
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<tr>
<td>TAB NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT</td>
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</tbody>
</table>
 MATCH MFR_ID MFR NO
 ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_DIA
ON MATCH REJECT
ON NOMATCH INCLUDE

ENDCASE

DATA
END

-RUN
-GOTO HULL1
-
-HULL1D
-
MODIFY FILE PROPULSR
CRTFORM LINE 1

""

ADD SHAFT SYSTEM DATA (SHFTSPEC SEGMENT)

""

|<77 |"

| TYPE |<16 < PRO_TYP |<77 |"

| SUBTYPE |<16 < PRO_STYP |<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"

|<77 |"


MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1D

CASE HULL1D

CRTFORM LINE 1

""

ADD SHAFT SYSTEM DATA (SHFTSPEC SEGMENT)

""

| MFR/DESIGNER |<20 < MFR_ID |<77 |"

| MFR_NUMBER |<20 < MFR_NO |<77 |"

| ANGLE |<20 < SH ANGL |<77 |"

| MATERIAL |<20 < SH MAT |<77 |"

| OUTER DIA |<20 < SH OD |<77 |"

| INNER DIA |<20 < SH_ID |<77 |"

| MODULUS |<20 < SH_SMOD |<77 |"

|<77 |"

| COMMENTS |<77 |"

|<4 < SH COM1 <77 |"

|<4 < SH COM2 <77 |"

|<4 < SH COM3 <77 |"


B-230-6
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO SH_ANGL
ON MATCH REJECT
ON NOMATCH INCLUDE

*    
ENDCASE
*    
DATA
END
*    
-RUN
-GOTO HULL1
*    
-AMV1
*    
MODIFY FILE PROPULSR
CRTFORM LINE 1

"|                           "
|"ADD AMV REFERENCES (AMVREF SEGMENT)"
|"
|"|<77|
|"SYS TYPE <16< PRO_TYP <77 |
|"SYS SUBTYPE <16< PRO_STYP <77 |
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"|TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT"

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV1

*    
CASE AMV1
*    
CRTFORM LINE 1

"|                           "
|"ADD AMV REFERENCES (AMVREF SEGMENT)"
|"
|"|<77|
|"SHIP ID <16 < SHIP_ID <77 |
|"<77|
|"SHIP NAME <16 < SHIP_NAME <77 |
|"SHIP_FLAG <16 < SHIP_FLAG <77 |
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|
|"<77|

B-230-7
MATCH SHIP ID
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVA1
*
ENDCASE
*
DATA
*
-RUN
-GOTO ONE
*
-LIT1
*
MODIFY FILE PROPULSR
CRTFORM LINE 1
|
-------
ADD LITERATURE REFERENCES (LITREF SEGMENT) |
-------
|<77 |
"SYS TYPE <16 < PRO_TYP <77 |
"SYS SUBTYPE <16 < PRO_STYP <77 |
"<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
"|
-------
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA1
*
CASE LITA1
*
CRTFORM LINE 1
|
-------
ADD LITERATURE REFERENCES (LITREF SEGMENT) |
-------
|<77 |
"REFERENCE NO <17 < REF_NUM <77 |
"<77 |
"DESCRIPTION <17 < REF_DESC <77 |
"<77 |
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<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
MATCH REF_NUM
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO LITA1

ENDCASE

DATA
END

RUN
GOTO ONE

******************************************************************************

-CRTFORM LINE 1

| CHANGE SYSTEM OPTIONS FOR PROPULSR FILE - OEB230 |

OPTIONS LIST

[1] CHG MAIN SEGMENT
[2] CHG DESIGN SEGMENT
[3] CHG AMV REFERENCES
[4] CHG LITERATURE REFS
[5] FM DIRECTORY

OPTION --> <&OPTION

| <77 |
| <77 |

******************************************************************************


******************************************************************************

-IF &OPTION EQ 1 GOTO MAIN2;
-IF &OPTION EQ 2 GOTO HULL2;
-IF &OPTION EQ 3 GOTO AMV2;
-IF &OPTION EQ 4 GOTO LIT2;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO TWO

MAIN2

MODIFY FILE PROPULSR
-CRTFORM LINE 1

| CHANGE MAIN SYSTEM (PROTYP SEGMENT) |

| <77 |
| TYPE <10 < PRO_TYP <77 |
| SUBTYPE <10 < PRO_STYP <77 |
| <77 |
| <33 (PRESS RETURN) <77 |
| <77 |

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM

COMMENTS <77 | "

| <77 | "
| <T.PRO COM1> <77 | "
| <T.PRO COM2> <77 | "
| <T.PRO COM3> <77 | "
| <77 | "
| <77 | "
| <77 | "
|<77 | "

[TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT ; "

ON MATCH UPDATE PRO COM1 PRO COM2 PRO COM3

DATA END

"-RUN
-GOTO TWO
-"

HULL2
-"

-CRTFORM LINE 1

SYS DESIGN CHG OPTIONS FOR PROPULSR FILE - OEB230

OPTIONS LIST

[1] CHG SYS DESIGN
[2] CHG SYS DESCRIPTION
[3] CHG SYS SPECIFICATIONS
[4] CHG DRIVE SPECS
[5] FM DIRECTORY

OPTION --> <%&OPTION

| <77 | "
| <77 | "

[TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "

-"-IF %&OPTION EQ 1 GOTO HULL2A;
-IF %&OPTION EQ 2 GOTO HULL2B;
-IF %&OPTION EQ 3 GOTO HULL2C;
-IF %&OPTION EQ 4 GOTO HULL2D;
-IF %&OPTION EQ 5 GOTO TWO;
-GOTO HULL2
-"

HULL2A
-"

MODIFY FILE PROPULSR
-CRTFORM LINE 1

CHG SYS DESIGN (PROSYS SEGMENT)

| <77 | "
| <16 < PRO TYP <77 | "
| <16 < PRO-STYP <77 | "
| <77 | "
| <77 | "

B-230-10
MATCH PRO_TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A
-
CASE HULLA2A
-
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG DESIGN (PROSYS SEGMENT)</th>
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<tbody>
<tr>
<td>&quot; &quot;</td>
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</table>
| <77 |"
| MFR/DESIGNER <16 < MFR_ID <77 |"
| MFR NUMBER <16 < MFR_NO <77 |"
|<77- " |
|<30 ( PRESS RETURN )<77 |"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM
| "<77 |
|<77 |
|<77 |
|<77 |

COMMENTS <77 |

<77 |
<4 <T.MFR_COM1> <77 |
<4 <T.MFR_COM2> <77 |
<4 <T.MFR_COM3> <77 |
<77 |
<77 |
<77 |
<77 |

---------------------------


ON MATCH UPDATE MFR_Com1 MFR_Com2 MFR_Com3
-
ENDCASE
-
DATA
END
-
-RUN
-GOTO HULL2
-
-HULL2B
-
MODIFY FILE PROPULSR
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG SYS DESCRIPTION (PRODESC SEGMENT)</th>
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<tbody>
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<td>&quot; &quot;</td>
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</tbody>
</table>
| <77 |"
| TYPE <16 < PRO_TYP <77 |"
| SUBTYPE <16 < PRO_STYP <77 |"
|<77 |
|<77 |

B-230-11
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL2B
-
CASE HULL2B
-
CRTFORM LINE 1

<table>
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<td>MFR NUMBER &lt;16 &lt; MFR NO &lt;77</td>
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<td>&lt;30 ( PRESS RETURN ) &lt;77</td>
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</table>

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_TRAIN
ON NOMATCH REJECT
ON MATCH CRTFORM

| TRAIN (Y/N) <12<T.PRO_TRAIN> <38 MATERIAL <50<T.PRO_MAT> <77 |  
| VAR PTCH (Y/N) <12<T.PRO_VAR_PTCH> <38 CNT PTCH (Y/N) <50<T.PRO_CNT_PTCH> <77 |  
| FULL REV (Y/N) <12<T.PRO_FULL_REV> <38 DUCTED (Y/N) <50<T.PRO_DUCTED> <77 |  
| TUN DRV (Y/N) <12<T.PRO_TUNNEL> <77 |  
| <77 |  
| <77 |  
| <4 <T.PR_COM1> <77 |  
| <4 <T.PR_COM2> <77 |  
| <4 <T.PR_COM3> <77 |  

| MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_TRAIN
ON NOMATCH REJECT
ON MATCH CRTFORM


ENDCASE
-
DATA
END
-
-RUN
-GOTO HULL2
-
-HULL2C
-
MODIFY FILE PROPULSR
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG SPECIFICATIONS (PROSPEC SEGMENT)</th>
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B-230-12
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2C
*
CASE HULLA2C
*
CRTFORM LINE 1
"
CHG SPECIFICATIONS (PROSPEC SEGMENT)"
"
| MFR/DESIGNER 16 MFR_ID 77 |
| MFR_NUMBER 16 MFR_NO 30 (PRESS RETURN) 77 |
"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_HP
ON NOMATCH REJECT
ON MATCH CRTFORM
| PROP DIA 20 T.PRO_DIA> 38 WEIGHT 60 T.PRO_WEIGHT> 77 |
| MAX PITCH 20 T.PRO_PTCH_MX> 38 NO BLADES 60 T.PRO_NO_BLD> 77 |
| AREA RATIO 20 T.PRO_AREA_RAT> 77 |
| <77 |
| <4 T.SPEC_COM1> 77 |
| <4 T.SPEC_COM2> 77 |
| <4 T.SPEC_COM3> 77 |
| <77 |
| <77 |
| <77 |
""
COMMENTS 77 |
"
| <4 T.SPEC_COM1> 77 |
| <4 T.SPEC_COM2> 77 |
| <4 T.SPEC_COM3> 77 |
| <77 |
| <77 |
| <77 |
"
ENDCASE
*
DATA
END
*
- RUN
- GOTO HULL2
- *
- HULL2D
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
CHG SYSTEM SHAFT DATA (SHFTSPEC SEGMENT)

| TYPE   | <16 < PRO_TYP | <77 |
| SUBTYPE| <16 < PRO_STYP | <77 |


MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2D

CASE HULLA2D

CRTFORM LINE 1

CHG SYSTEM SHAFT DATA (SHFTSPEC SEGMENT)

| MFR/DESIGNER | <20 < MFR_ID | <77 |
| MFR_NUMBER   | <20 < MFR_NO | <33 (PRESS RETURN) | <77 |

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO SH_ANGL
ON NOMATCH REJECT
ON MATCH CRTFORM

| ANGLE | <20 < T.SH ANGL | <77 |
| MATERIAL | <20 < T.SH MAT | <77 |
| OUTER DIA | <20 < T.SH OD | <77 |
| INNER DIA | <20 < T.SH ID | <77 |
| MODULUS | <20 < T.SH_SMOD | <77 |
| <77 | COMMENTS <77 |
| <77 |
| <4 <T.SH_COM1> | <77 |
| <4 <T.SH_COM2> | <77 |
| <4 <T.SH_COM3> | <77 |


ON MATCH UPDATE SH_ANGL SH_MAT SH OD SH ID SH_SMOD SH_COM1 SH_COM2
ON MATCH UPDATE SH_COM3

ENDCASE

DATA
END

-GOTO HULL2

B-230-14
AMV2

MODIFY FILE PROPULSR
CRTFORM LINE 1

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MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2

CASE AMV2

CRTFORM LINE 1

<table>
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<tr>
<td>&lt;33 ( PRESS RETURN ) &lt;77</td>
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</table>

MATCH SHIP_ID
ON NOMATCH REJECT
ON MATCH CRTFORM
| <77 | |
| SHIP NAME <16 <T.SHIP_NAME> <77 | |
| SHIP_FLAG <16 <T.SHIP_FLAG> <77 | |
| <77 | |
| <77 | |
| <77 | |
| <77 | |
| <77 | |
| <77 | |


ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2

ENDCASE

DATA
END

-RUN
MODIFY FILE PROPULSR
CRTFORM LINE 1

DELETE MAIN SYSTEM (PROTYP SEGMENT)

TYPE <10 < PRO_TYP <77 |"
SUBTYPE <10 < PRO_STYP <77 |"
<77 |"
(PRESS RETURN) <77 |"

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM

COMMENTS <77 |"

<4 <D.PRO_COM1 <77 |"
<4 <D.PRO_COM2 <77 |"
<4 <D.PRO_COM3 <77 |"
<77 |"
<77 |"
<77 |"
<77 |"
<77 |"

ON MATCH DELETE
DATA
END
-
-RUN
-GOTO THREE
-
-HULL3
-
-CRTFORM LINE 1
-
SYS DESIGN DEL OPTIONS FOR PROPULSR FILE - OEB230
-
OPTIONS LIST
-
[1] DEL SYS DESIGN
[2] DEL SYS DESCRIPTION
[3] DEL SYS SPECIFICATIONS
[4] DEL DRIVE SYS SPECS
[5] FM DIRECTORY
-
OPTION --> &OPTION
-
<77 | "
<77 | "
-
-
-
-IF &OPTION EQ 1 GOTO HULL3A;
-IF &OPTION EQ 2 GOTO HULL3B;
-IF &OPTION EQ 3 GOTO HULL3C;
-IF &OPTION EQ 4 GOTO HULL3D;
-IF &OPTION EQ 5 GOTO THREE;
-
-HULL3A
-
MODIFY FILE PROPULSR
CRTCFORM LINE 1
-
DEL SYS DESIGN (PROSYS SEGMENT)
-
|      | <77 | "
| TYPE | <16 < PRO_TYP <77 | "
| SUBTYPE | <16 < PRO_STYP <77 | "
-
-
MATCH PRO_TYP PRO_STYP

B-230-18
ON NOMATCH REJECT
ON MATCH GOTO HULLA3A
*
CASE HULLA3A
*
CRTFORM LINE 1
---------------------------------------------------------------------
| DEL DESIGN (PROSYS SEGMENT)
|<77 |
| MFR/DESIGNER <16 < MFR ID <77 |
| MFR NUMBER <16 < MFR_NO <32 (PRESS RETURN) <77 |
| <77 |
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
| COMMENTS <77 |
|<4 <D.MFR_COM1 <77 |
|<4 <D.MFR_COM2 <77 |
|<4 <D.MFR_COM3 <77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
---------------------------------------------------------------------
|---------------------------------------------------------------------
ON MATCH DELETE
GOTO HULLA3A
*
ENDCASE
*
DATA
END
*
-GOTO HULL3
*
-HULL3B
*
MODIFY FILE PROPULSR
CRTFORM LINE 1
---------------------------------------------------------------------
| DEL SYS DESCRIPTION (PRODESC SEGMENT)
|<77 |
| TYPE <16 < PRO_TYP <77 |
| SUBTYPE <16 < PRO_STYP <77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
|<77 |
---------------------------------------------------------------------
|---------------------------------------------------------------------
B-230-19
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B
-
CASE HULLA3B
-
CRTFORM LINE 1
---
DEL DESCRIPTION (PRODESC SEGMENT)
---
MFR/DESIGNER <16 < MFR_ID <77 |
MFR_NUMBER <16 < MFR_NO <77 |
<30" (PRESS RETURN)<77 |
MATCH MFR_ID MFR_NO
ON MATCH CONTINUE TO PRO_TRAIN
ON NOMATCH REJECT
ON MATCH CRTFORM
TRAIN (Y/N) <12<D.PRO_TRAIN> <38 MATERIAL <50<D.PRO_MAT> <77 |
VAR PTCH (Y/N)<12<D.PRO_VAR_PTCH> <38 CNT PTCH (Y/N)<50<D.PRO_CNT_PTCH> <77 |
FULL REV (Y/N)<12<D.PRO_FULL_REV> <38 DUCTED (Y/N)<50<D.PRO_DUCTED> <77 |
TUN DRV (Y/N)<12<D.PRO_TUNNEL> <77 |
<77 |
COMMENTS <77 |
<77 |
<4< D.PRO_COM1> <77 |
<4 <D.PRO_COM2> <77 |
<4 <D.PRO_COM3> <77 |

---
ON MATCH DELETE
-
ENDCASE
-
DATA
END
-
-BRUN
-GOTO HULL3
-
-HULL3C
-
MODIFY FILE PROPLUSR
CRTFORM LINE 1
---
DEL SYS SPECIFICATIONS (PROSPEC SEGMENT)
---
TYPE <16 < PRO_TYP <77 |
SUBTYPE <16 < PRO_STYP <77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
<77 |
B-230-20
MATCH PRO_TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C
*
CASE HULLA3C
*
CRTFORM LINE 1
*
<table>
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<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>CHG SPECIFICATIONS (PROSPEC SEGMENT)</td>
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</tr>
<tr>
<td>MFR/DESIGNER &lt;16 &lt; MFR_ID &lt;77</td>
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<tr>
<td>MFR_NUMBER &lt;16 &lt; MFR_NO &lt;30 ( PRESS RETURN ) &lt;77</td>
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</tbody>
</table>
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_DIA
ON NOMATCH REJECT
ON MATCH CRTFORM
| PROP DIA <20<D.PRO_DIA> <38 WEIGHT <60<D.PRO_WEIGHT> <77 |"|
| MAX PITCH <20<D.PRO_PITCH_MX> <38 NO BLADES<60<D.PRO_NO_BLD> <77 |"|
| AREA RATIO<20<D.PRO_AREA_RAT> <77 |"|
| <77 |"|
| <4 <D.SPEC_COM1> <77 |"|
| <4 <D.SPEC_COM2> <77 |"|
| <4 <D.SPEC_COM3> <77 |"|
| <77 |"|
| <77 |"|
| <77 |"|
|-------------------------------------------------------------|
ON MATCH DELETE
*
ENDCASE
*
DATA
END
*
-RUN
-GOTO HULL3
*
-HULL3D
*
MODIFY FILE PROPULSR
CRTFORM LINE 1
*
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<tbody>
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<td>DEL SYSTEM SHAFT DATA (SHFTSPEC SEGMENT)</td>
</tr>
<tr>
<td>-------------------------------------------------------------</td>
</tr>
<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>TYPE &lt;16 &lt; PRO_TYP &lt;77</td>
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<tr>
<td>SUBTYPE &lt;16 &lt; PRO_STYP &lt;77</td>
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</tbody>
</table>

B-230-21
MATCH PRO TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3D

CASE HULLA3D

CRTFORM LINE 1

DEL SYSTEM SHAFT DATA (SHFTSPEC SEGMENT)

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO SH ANGL
ON NOMATCH REJECT
ON MATCH CRTFORM

ANGLE <20 <D.SH ANGL> <77 |
MATERIAL <20 <D.SH MAT> <77 |
OUTER DIA <20 <D.SH OD> <77 |
INNER DIA <20 <D.SH ID> <77 |
MODULUS <20 <D.SH SMOD> <77 |

<77 |

COMMENTS <77 |

<77 |

<4 <D.SH COM1> <77 |
<4 <D.SH COM2> <77 |
<4 <D.SH COM3> <77 |


ON MATCH DELETE

ENDCASE

DATA
END

-GOTO HULL3

-AMV3

MODIFY FILE PROPULSR
CRTFORM LINE 1

DEL AMV REFERENCES (AMVREF SEGMENT)

TYPE <16 < PRO TYP <77 |
SUBTYPE <16 < PRO_STYP <77 |
<77 |
<77 |
<77 |
MATCH PRO_TYP PRO STYP
   ON NOMATCH REJECT
   ON MATCH GOTO AMVA3
CASE AMVA3
   * CRTFORM LINE 1
      DEL AMV REFERENCES (AMVREF SEGMENT)
      |<77|
      | SHIP_ID <16 < SHIP_ID <77 |
      |<77|
      |<33 (PRESS RETURN) <77 |
MATCH SHIP_ID
   ON NOMATCH REJECT
   ON MATCH CRTFORM
   |<77|
   | SHIP_NAME <16 < D.SHIP_NAME <77 |
   | SHIP_FLAG <16 < D.SHIP_FLAG <77 |
   |<77|
   |<77|
   |<77|
   |<77|
   |<77|
   |<77|
   |<77|
   |<77|
   |<77|
   |<77|
   |<77|
      |
      ON MATCH DELETE
      GOTO AMVA3
     * ENDCASE
     * DATA
     END
     * GOTO THREE
     * LIT3
     * MODIFY FILE PROPULSR
     CRTFORM LINE 1
      DEL LITERATURE REFERENCE (LITREF SEGMENT)
      |<77|
      | TYPE <16 < PRO_TYP <77 |
      | SUBTYPE <16 < PRO_STYP <77 |

B-230-23
- RUN
- GOTO TOP
FILE MAINTENANCE ROUTINE FOR WGTHANDL FILE - OEB240

DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH
DESIGNED BY: M. J. STEVENS (VTC)
DATE LAST REV: 4/16/87

TOP
-DEFAULTS &OPTION=0
-CRTFORM LINE 1

FILE MAINTENANCE ROUTINES FOR WGTHANDL FILE - OEB240

MAINTENANCE OPTIONS LIST

[1] ADD WT HANDLING SYS
[2] CHG WT HANDLING SYS
[3] DEL WT HANDLING SYS
[4] EXIT WGTHANDL FILE

OPTION --> <&OPTION

(IF &OPTION EQ 1 GOTO ONE;
IF &OPTION EQ 2 GOTO TWO;
IF &OPTION EQ 3 GOTO THREE;
IF &OPTION EQ 4 GOTO FOUR;
GOTO TOP

ONE
-CRTFORM LINE 1

ADD SYSTEM OPTIONS FOR WGTHANDL FILE - OEB240

OPTIONS LIST

[1] ADD MAIN SEGMENT
[2] ADD DESIGN SEGMENT
[3] ADD AMV REFERENCE
[4] ADD LITERATURE REF
[5] FM DIRECTORY

OPTION --> <&OPTION


B-240-1
-IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE

-MAIN1

MODIFY FILE WGTANDL
CRTFORM LINE 1

"|" ADD NEW SYSTEM (MAIN SEGMENT) " |
"| TYPE <10 < WT_TYP <77 |
"| SUBTYPE <10 < WT_STYP <77 |
" |
COMMENTS: <77 |
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" |
-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO ONE;
-GOTO HULL1
-
-HULL1A
**
MODIFY FILE WGTANDL
CRTFORM LINE 1

<p>| |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ADD SYS DESIGNS (WTSYS SEGMENT)</td>
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<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>TYPE &lt;16 &lt; WT_TYP &lt;77</td>
</tr>
<tr>
<td>SUBTYPE &lt;16 &lt; WT_STYP &lt;77</td>
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</tbody>
</table>

MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1A
-
CASE HULL1A
**
CRTFORM LINE 1

<p>| |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ADD DESIGNS (MAIN SEGMENT)</td>
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<tr>
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</tr>
<tr>
<td>MFR/DESIGNER &lt;16 &lt; MFR_ID &lt;77</td>
</tr>
<tr>
<td>MFR_NUMBER &lt;16 &lt; MFR_NO &lt;77</td>
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</tbody>
</table>
| MATCH MFR_ID MFR_NO
| ON MATCH REJECT
| ON NOMATCH INCLUDE
| GOTO HULL1A
-
ENDCASE
DATA
END

-RUN
-GOTO HULL1

-HULL1B

MODIFY FILE WGT HANDL
CRTFORM LINE 1

"| ADD SYS DESCRIPTION (WTDESC SEGMENT) |

"| <77 | "
"| TYPE <16 < WT_TYP <77 | "
"| SUBTYPE <16 < WT_STYP <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"


MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1B

CASE HULL1B

CRTFORM LINE 1

"| ADD DESCRIPTION (WTDESC SEGMENT) |

"| <77 | "
"| MFR/DESIGNER <16 < MFR ID <77 | "
"| MFR_NUMBER <16 < MFR_NO <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"

[DYN POS (Y/N) <12 < WT_DYN_POS <77 | "
"| <77 | "
"| <77 | "
"| <77 | "
"

COMMENTS <77 | "
"| <4 DESC COM1 <77 | "
"| <4 DESC COM2 <77 | "
"| <4 DESC COM3 <77 | "
"| <77 | "
"


MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_PRI_FN
ON MATCH REJECT
ON NOMATCH INCLUDE
*ENDCASE
*DATA
*END
-GOTO HULL1
-HULL1C

MODIFY FILE WALTHANDL
CRTFORM LINE 1

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<tr>
<td>ADD SYS SPECIFICATIONS (WTSPEC SEGMENT)</td>
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| TYPE | <16 < WT_TYP <77 |
| SUBTYPE | <16 < WT_STYP <77 |

MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C

CASE HULL1C

CRTFORM LINE 1

<table>
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<tbody>
<tr>
<td>ADD SYS SPECIFICATIONS (WTSPEC SEGMENT)</td>
</tr>
</tbody>
</table>

| MFR/DES | <20 <MFR_ID <77 |
| MFR NO | <20 <MFR_NO <77 |

| REACH | <20 <WT_REACH | 38 CAPACITY | <60 <WT_CAP | <77 |
| SYS WEIGHT | <20 <WT_WEIGHT | 38 LO VELOCITY | <60 <WT_VEL | <77 |
| TIP MOMENT | <20 <WT_MOM | 38 SYS VOLUME | <60 <WT_VOL | <77 |
| SYS COST | <20 <WT_COST | <77 |

| <4 <SPEC_COM1 <77 |
| <4 <SPEC_COM2 <77 |
| <4 <SPEC_COM3 <77 |

| COMMENTS | <77 |

MATCH MFR_ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_REACH
ON MATCH REJECT
ON NOMATCH INCLUDE
  *
ENDCASE
  *
DATA
END
  *
-RUN
-GOTO HULL1
  *
-AMV1
  *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
  |
| ADD AMV REFERENCES (AMVREF SEGMENT)
  |
| <77 |
" SYS TYPE <16 < WT_TYP <77 |
" SYS SUBTYPE <16 < WT_STYP <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
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" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
| MATCH WT_TYP WT STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV1
  *
CASE AMV1
  *
CRTFORM LINE 1
  |
| ADD AMV REFERENCES (AMVREF SEGMENT)
  |
| <77 |
" SHIP ID <16 < SHIP_ID <77 |
" <77 |
" SHIP NAME <16 < SHIP_NAME <77 |
" SHIP FLAG <16 < SHIP_FLAG <77 |
" <77 |
" <77 |
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" <77 |
" <77 |
" <77 |
" <77 |
| MATCH SHIP_ID
  |
  |
  |
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO ANVAIL
- * 
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO ONE
- *
-LIT1
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
---
ADD LITERATURE REFERENCES (LITREF SEGMENT) ---
---
| <77 |
| SYS TYPE <16 < WT_TYP <77 |
| SYS SUBTYPE <16 < WT_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
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| <77 |
| <77 |
| <77 |
| <77 |

MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO LIT1
- *
CASE LIT1
- *
CRTFORM LINE 1
---
ADD LITERATURE REFERENCES (LITREF SEGMENT) ---
---
| <77 |
| REFERENCE NO <17 < REF_NUM <77 |
| <77 |
| DESCRIPTION <17 < REF_DESC <77 |
| <77 |
| <77 |
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| <77 |
| <77 |
| <77 |
| <77 |
| <77 |


B-240-7
MATCH REF_NUM
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO LIT1
*
ENDCASE
*
DATA
END
*
-RUN
-GOTO ONE
******************************************************************************
-TWO
******************************************************************************
-CRTFORM LINE 1

CHANGE SYSTEM OPTIONS FOR WGTHANDL FILE - OEB240

OPTIONS LIST

[1] CHG MAIN SEGMENT
[2] CHG DESIGN SEGMENT
[3] CHG AMV REFERENCES
[4] CHG LITERATURE REFS
[5] FM DIRECTORY

OPTION --&gt; &OPTION

<77
<77
---
(TAB) NEXT FIELD. [RETURN] TAKE ACTION. [PF3] QUIT

* IF &OPTION EQ 1 GOTO MAIN2;
* IF &OPTION EQ 2 GOTO HULL2;
* IF &OPTION EQ 3 GOTO AMV2;
* IF &OPTION EQ 4 GOTO LIT2;
* IF &OPTION EQ 5 GOTO TOP;
* GOTO TWO

MAIN2
*
MODIFY FILE WGTHANDL
CRTFORM LINE 1

CHANGE MAIN SYSTEM (MAIN SEGMENT)

<77
TYPE &TYP <10 < WT_TYP &TYP <77
SUBTYPE &STYP <10 < WT_STYP &STYP <77
<77
<33 (PRESS RETURN ) <77
<77
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM

COMMENTS <77

B-240-8
ON MATCH UPDATE WT_COM1 WT_COM2 WT_COM3
DATA
END
* -RUN
-GOTO TWO
*
-HULL2
*
-CRTFORM LINE 1
*
* SYS DESIGN CHG OPTIONS FOR WGTANDL FILE - OEB240
*
* OPTIONS LIST
* [1] CHG SYS DESIGN
* [2] CHG SYS DESCRIPTION
* [3] CHG SYS SPECIFICATIONS
* [4] FM DIRECTORY
*
- IF &OPTION EQ 1 GOTO HULL2A;
- IF &OPTION EQ 2 GOTO HULL2B;
- IF &OPTION EQ 3 GOTO HULL2C;
- IF &OPTION EQ 4 GOTO TWO;
- GOTO HULL2
*
-HULL2A
*
MODIFY FILE WGTANDL
CRTC FORM LINE 1
*
* CHG SYS DESIGN (WTSYS SEGMENT)
*
* TYPE <16 < WT_TYP <77 | "
* SUBTYPE <16 < WT_STYP <77 | "
* <77 | "
* <77 | "
* <77 | "
* <77 | "
* <77 | "
* <77 | "
MATCH WT TYP WT STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A

CASE HULLA2A

CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG DESIGN (WTSYS SEGMENT)</th>
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<tbody>
<tr>
<td>&lt;77</td>
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<tr>
<td>MFR/DESIGNER &lt;16 &lt; MFR_ID &lt;77</td>
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<tr>
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<tr>
<td>MFR NUMBER &lt;16 &lt; MFR_NO &lt;77</td>
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<tr>
<td>&lt;77</td>
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<tr>
<td>&lt;30 (PRESS RETURN) &lt;77</td>
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</table>
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
| <77 |
| COMMENTS <77 |
| <77 |
| <4 <T.MFR.COM1> <77 |
| <4 <T.MFR.COM2> <77 |
| <4 <T.MFR.COM3> <77 |
| <77 |
| <77 |
| <77 |


ON MATCH UPDATE MFR_COM1 MFR_COM2 MFR_COM3

ENDCASE

DATA
END

- RUN
- GOTO HULL2

- HULL2B

MODIFY FILE WGTHANDL
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG SYS DESCRIPTION (WTDESC SEGMENT)</th>
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<tbody>
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<td>&lt;77</td>
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<tr>
<td>TYPE &lt;16 &lt; WT_TYP &lt;77</td>
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<tr>
<td>&lt;77</td>
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<tr>
<td>SUBTYPE &lt;16 &lt; WT_STYP &lt;77</td>
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</tbody>
</table>

B-240-10
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2B
--
CASE HULLA2B
--
CRTFORM LINE 1
--
CHG DESCRIPTION (WTDESC SEGMENT)
--
MFR/DESIGNER <16 < MFR_ID <77 |
MFR NUMBER <16 < MFR_NO <77 |
30" PRESS RETURN ) <77 |
MATCH MFR_ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_PRI_FN
ON NOMATCH REJECT
ON MATCH CRTFORM
PREF FUNCTION <12 < T.WT_PRI_FN > <38 POWER TYPE <50 < T.WT_PWR_TYP > <77 |
DYN POS (Y/N) <12 < T.WT_DYN_POS > <77 |
<77 |
COMMENTS <77 |
<77 |
<4 < T.DESC_COM1 > <77 |
<4 < T.DESC_COM2 > <77 |
<4 < T.DESC_COM3 > <77 |
<77 |
--
ON MATCH UPDATE WT_PRI_FN WT_PWR_TYP WT_DYN_POS DESC_COM1 DESC_COM2
ON MATCH UPDATE DESC_COM3
--
ENDCASE
--
DATA
END
--
-RUN
-GOTO HULL2
--
-HULL2C
--
MODIFY FILE WGTHANDL
CRTFORM LINE 1
--
CHG SPECIFICATIONS (WTSPEC SEGMENT)
--
<77 |
TYPE <16 < WT_TYP <77 |
SUBTYPE <16 < WT_STYP <77 |
<77 |
<77 |

B-240-11
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2C

CASE HULLA2C

CRTFORM LINE 1

CHG SPECIFICATIONS (WT_SPEC SEGMENT)

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_REACH
ON NOMATCH REJECT
ON MATCH CRTFORM

REACH <20 <T.WT_REACH> <38 CAPACITY <60 <T.WT_CAP> <77 |
SYS WEIGHT <20 <T.WT_WEIGHT> <38 LO VELOCITY <60 <T.WT_VEL> <77 |
TIP MOMENT <20 <T.WT_MOM> <38 SYS VOLUME <60 <T.WT_VOL> <77 |
SYS COST <20 <T.WT_COST> <77 |
<77 |
COMMENTS <77 |

<4 <T.SPEC_COM1> <77 |
<4 <T.SPEC_COM2> <77 |
<4 <T.SPEC_COM3> <77 |
<77 |
<77 |


ENDCASE

DATA
END

RUN
GOTO HULL2

MODIFY FILE WGTHANDL

CRTFORM LINE 1

CHG AMV REFERENCES (AMVREF SEGMENT)

<77 |

B-240-12
TYPE <16 < WT_TYP <77 "
SUBTYPE <16 < WT_STYP <77 ;
" <77 "
" <77 |
" <77 
" <77 
" <77 
" <77 
" <77 
" <77 
" <77 
" <77 
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |

" MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2

CASE AMV2

CRTFORM LINE 1

| CHG AMV REFERENCES (AMVREF SEGMENT) |
| <77 |
" SHIP_ID <16 < SHIP_ID <77 |
" <77 |
" <33 ( PRESS RETURN ) <77 |

MATCH SHIP_ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" <77 |
" SHIP_NAME <16 < T.SHIP_NAME <77 |
" SHIP_FLAG <16 < T.SHIP_FLAG <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |
" <77 |

" ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2

ENDCASE

DATA
END

-RUN
-GOTO TWO

-LIT2

MODIFY FILE WGTHANDL
CRTFORM LINE 1

---
CHG LITERATURE REFERENCE (LITREF SEGMENT)

| <77 |
| TYPE <16 < WT_TYP <77 |
| SUBTYPE <16 < WT_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA2

CASE LITA2

CRTFORM LINE 1

CHG LITERATURE REFERENCE (LITREF SEGMENT)

| <77 |
| REF NUMBER <17 < REF_NUM <77 |
| <77 |
| <33 ( PRESS RETURN ) <77 |

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM

| <77 |
| REFERENCE DESCRIPTION |
| <77 |
| <8 <T.REF_DESC> <77 |
| <77 |
| <77 |
| <77 |
| <77 |


ON MATCH UPDATE REF_DESC
GOTO LITA2

ENDCASE

DATA
END

-GOTO TWO

-THREE

-CRTFORM LINE 1
OPTIONS LIST

[1] DEL MAIN SEGMENT  
[2] DEL DESIGN SEGMENT  
[3] DEL AMV REFERENCES  
[4] DEL LITERATURE REFS  
[5] FM DIRECTORY

OPTION --> <&OPTION


* -IF &OPTION EQ 1 GOTO MAIN3;
-IF &OPTION EQ 2 GOTO HULL3;
-IF &OPTION EQ 3 GOTO AMV3;
-IF &OPTION EQ 4 GOTO LIT3;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO THREE

* -MAIN3

MODIFY FILE WGTHANDL
CRTFORM LINE 1

DELETE MAIN SYSTEM (MAIN SEGMENT)

<77 |"
TYPE <10 <WT_TYP <77 |"
SUBTYPE <10 <WT_STYP <77 |"
<77 |"
<33 (PRESS RETURN) <77 |"

MATCH WT_TYP WT STYP ON NOMATCH REJECT
ON MATCH CRTFORM
<77 |

COMMENTS <77 |
<4 <D.WT_COM1 <77 |
<4 <D.WT_COM2 <77 |
<4 <D.WT_COM3 <77 |
<77 |
<77 |
<77 |


ON MATCH DELETE
DATA END

* -RUN
-GOTO THREE
* -HULL3

B-240-15
-CRTFORM LINE 1

**SYS DESIGN DEL OPTIONS FOR WGTANDL FILE - OEB240**

<table>
<thead>
<tr>
<th>OPTIONS LIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>[1] DEL SYS DESIGN</td>
</tr>
<tr>
<td>[2] DEL SYS DESCRIPTION</td>
</tr>
<tr>
<td>[3] DEL SYS SPECIFICATIONS</td>
</tr>
<tr>
<td>[4] FM DIRECTORY</td>
</tr>
<tr>
<td>OPTION --&gt; &lt;&amp;OPTION</td>
</tr>
</tbody>
</table>


-IF &OPTION EQ 1 GOTO HULL3A;
-IF &OPTION EQ 2 GOTO HULL3B;
-IF &OPTION EQ 3 GOTO HULL3C;
-IF &OPTION EQ 4 GOTO THREE;
-GOTO HULL3

-HULL3A

**MODIFY FILE WGTANDL**

**CRTFORM LINE 1**

```
| TYPE | <16 < WT_TYP | <77 |
| SUBTYPE | <16 < WT_STYP | <77 |
```


MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL3A

-CASE HULL3A

**CRTFORM LINE 1**

```
| DEL DESIGN (WTSYS SEGMENT) |
```

B-240-16
MATCH MFR_ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
  COMMENTS <77 |
  | <77 |
  | <4 <D.MFR_COM1 <77 |
  | <4 <D.MFR_COM2 <77 |
  | <4 <D.MFR_COM3 <77 |
  | <77 |
  | <77 |
  | <77 |
  | <77 |
  | <77 |
  | <77 |
  | <77 |
  ON MATCH DELETE
  GOTO HULL3A
  END CASE
DATA
END
RUN
GOTO HULL3
*
HULL3B
*
MODIFY FILE WGTANDL
CRTFORM LINE 1
*-----------------------------------------------DEL SYS DESCRIPTION (WTDESC SEGMENT)-----------------------------------------------*
| <77 |
| TYPE <16 <WT_TYP <77 |
| SUBTYPE <16 <WT_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL3B
*
CASE HULL3B
*
CRTFORM LINE 1
*-----------------------------------------------
**DEL DESCRIPTION (WTDESC SEGMENT)**

| MFR/DESIGNER  | <16 < MFR_ID | <77 |
| MFR_NUMBER   | <16 < MFR_NO | <77 |
| <30" (PRESS RETURN)" | <77 |

**MATCH MFR ID MFR NO**

ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_PRI_FN
ON NOMATCH REJECT
ON MATCH CRTFORM

| PRI FUNCTION   | <12 <D.WT_PRI_FN> | <38 POWER TYPE <50 <D.WT_PWR_TYP> | <77 |
| DYN POS (Y/N) | <12 <D.WT_DYN_POS> | <77 |
| <77 |
| <77 |
| COMMENTS <77 |

| 4 <D.DESC_COM1> | <77 |
| 4 <D.DESC_COM2> | <77 |
| 4 <D.DESC_COM3> | <77 |
| <77 |


**ON MATCH DELETE**

*ENDCASE*

**DATA END**

*RUN GOTO HULL3*

*HULL3C *

MODIFY FILE WGTANDL

**CRTFORM LINE 1**

**DEL SYS SPECIFICATIONS (WTSPEC SEGMENT)**

| <77 |
| TYPE  | <16 < WT_TYP | <77 |
| SUBTYPE | <16 < WT_STYP | <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |


**MATCH WT_TYP WT_STYP**

ON NOMATCH REJECT
ON MATCH GOTO HULLA3C

*CASE HULLA3C*

B-240-18
**CRTFORM LINE 1**

```
<table>
<thead>
<tr>
<th>CHG SPECIFICATIONS (WTSPEC SEGMENT)</th>
</tr>
</thead>
</table>

| MFR/DESIGNER <16 < MFR_ID <77 |
| MFR_NUMBER <16 < MFR_NO <30 ( PRESS RETURN ) <77 |

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_REACH
ON NOMATCH REJECT
ON MATCH CRTFORM

| REACH <20 <D.WT_REACH> <38 CAPACITY <60 <D.WT_CAP> <77 |
| SYS WEIGHT <20 <D.WT_WEIGHT> <38 LO VELOCITY <60 <D.WT_VEL> <77 |
| TIP MOMENT <20 <D.WT_MOM> <38 SYS VOLUME <60 <D.WT_VOL> <77 |
| SYS COST <20 <D.WT_COST> <77 |
| <77 |

COMMENTS <77 |

| <4 <D.SPEC_COM1> <77 |
| <4 <D.SPEC_COM2> <77 |
| <4 <D.SPEC_COM3> <77 |
| <77 |
| <77 |

```

**ENDCASE**

**DATA**

**END**

**-RUN**

**-GOTO HULL3**

**-**

**ARMV3**

**MODIFY FILE WGETHANDL**

**CRTFORM LINE 1**

```
| DEL AMV REFERENCES (AMVREF SEGMENT) |

| <77 |

| TYPE <16 < WT_TYP <77 |
| SUBTYPE <16 < WT_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

```

MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA3

CASE AMVA3

CRTFORM LINE 1

" | DEL AMV REFERENCES (AMVREF SEGMENT)
  "
"
| <77  |
| SHIP ID <16 < SHIP_ID <77 |
| <77  |
| 33 ( PRESS RETURN ) <77 |
"

MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
"
| <77  |
| SHIP NAME <16 < D.SHIP_NAME <77 |
| SHIP_FLAG <16 < D.SHIP_FLAG <77 |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
"

"

ON MATCH DELETE
GOTO AMVA3

ENDCASE

DATA

END

RUN
GOTO THREE

MODIFY FILE WGTHANDL
CRTFORM LINE 1

" | DEL LITERATURE REFERENCE (LITREF SEGMENT)
  "
"
| <77  |
| TYPE <16 < WT_TYP <77 |
| SUBTYPE <16 < WT_STYP <77 |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
| <77  |
"


MATCH WT TYPO WT STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA3

CASE LITA3
  CRTFORM LINE 1
  "| DEL LITERATURE REFERENCE (LITREF SEGMENT) |"
  "| REF NUMBER <17 < REF_NUM <77 |"
  "| <77 |"
  "| <33 ( PRESS RETURN ) <77 |"
  "|"
MATCH REF NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
  "| <77 |"
  "| REFERENCE DESCRIPTION <77 |"
  "| <77 |"
  "| <77 |"
  "| <8 <D.REF_DESC <77 |"
  "| <77 |"
  "| <77 |"
  "| <77 |"
  "| <77 |"
  "|"
  "[TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT"
  "|"
ON MATCH DELETE
  GOTO LITA3
ENDCASE
DATA
END
RUN
- GOTO THREE
- RUN
- GOTO TOP
- RUN
- FOUR
- EX OEB200
END
- RUN
- GOTO TOP

B-240-21
FILE MAINTENANCE ROUTINE FOR VEASSAUTO FILE - OEB250

DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH
DESIGNED BY: M. J. STEVENS (VTC)
DATE LAST REV: 4/16/87

TOP
-DEFAULTS &OPTION=0
-CRTFORM LINE 1

FILE MAINTENANCE ROUTINES FOR VEASSAUTO FILE - OEB250

MAINTENANCE OPTIONS LIST

[1] ADD AUTOMATION SYS
[2] CHG AUTOMATION SYS
[3] DEL AUTOMATION SYS
[4] EXIT VEASSAUTO FILE

OPTION --> <&OPTION


-IF &OPTION EQ 1 GOTO ONE;
-IF &OPTION EQ 2 GOTO TWO;
-IF &OPTION EQ 3 GOTO THREE;
-IF &OPTION EQ 4 GOTO FOUR;
-GOTO TOP

ONE

-CRTFORM LINE 1

ADD SYSTEM OPTIONS FOR VEASSAUTO FILE - OEB250

OPTIONS LIST

[1] ADD MAIN SEGMENT
[2] ADD DESIGN SEGMENT
[3] ADD AMV REFERENCE
[4] ADD LITERATURE REF
[5] FM DIRECTORY

OPTION --> <&OPTION

-IF &OPTION EQ 3 GOTO ANVi;
-IF &OPTION EQ 4 GOTO LITi;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE
-."
-MAIN1
-."
MODIFY FILE VESSAUTO
CRTFORM LINE 1
"\nadder NEW SYSTEM (MAIN SEGMENT) \n\n| TYPE <10 < VS_TYP <77 |"
| SUBTYPE <10 < VS_STYP <77 |"
| <77 |"
| <77 |"
| < VS_COM1 <77 |"
| < VS_COM2 <77 |"
| < VS_COM3 <77 |"
| <77 |"
| <77 |"
| <77 |"
| <77 |"
| <77 |"
| <77 |"
| <77 |"
| <77 |"
| <77 |"
|<77|"

Match VS_TYP VS STYP
ON MATCH REJECT
ON NOMATCH INCLUDE
DATA
END
-."
-RUN
-GOTO ONE
-."
-HULLi
-."
-CRTFORM LINE 1
-."
SYS DESIGN ADD OPTIONS FOR VESSAUTO FILE - OEB250
-."
OPTIONS LIST
[1] ADD SYS DESIGN
[2] ADD SYS DESCRIPTION
[3] ADD SYS SPECIFICATIONS
[4] FM DIRECTORY

OPTION --> <&OPTION
-."
| <77 |"
| <77 |"
| <77 |"
|<77|"

-."
-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO ONE;
-GOTO HULL1
-
-HULL1A
-
MODIFY FILE VESSAUTO
CRTFORM LINE 1
  ADD SYS DESIGNS (VASYS SEGMENT)
  TYPE <16 < VS_TYP <77 | 
  SUBTYPE <16 < VS_STYP <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1A
-
CASE HULL1A
-
CRTFORM LINE 1
  ADD DESIGNS (MAIN SEGMENT)
  MFR/DESIGNER <16 < MFR_ID <77 |
  MFR NUMBER <16 < MFR_NO <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  COMMENTS <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
  <77 |
MATCH MFR_ID MFR_NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULL1A
-
ENDCASE

B-250-3
DATA
END

- RUN
- GOTO HULL1
- HULL1B

MODIFY FILE VESSAUTO
CRTFORM LINE 1

ADD SYS DESCRIPTION (VADESC SEGMENT)

| <77 | "TYPE <16 < VS_TYP <77 | " |
| <77 | "SUBTYPE <16 < VS_STYP <77 | " |
| <77 | " | <77 | " | <77 | " | <77 | " | <77 | " | <77 | " | <77 | " |

| <77 | "| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |

MATCH VS_TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1B

CASE HULL1B

CRTFORM LINE 1

ADD DESCRIPTION (VADESC SEGMENT)

| <77 | "MFR/DESIGNER <16 < MFR_ID <77 | " |
| <77 | "MFR_NUMBER <16 < MFR_NO <77 | " |
| <77 | " | <77 | " | <77 | " | <77 | " | <77 | " | <77 | " |

| <77 | "| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_FN
ON MATCH REJECT
ON NOMATCH INCLUDE

B-250-4
ENDCASE
DATA
END
RUN
GOTO HULL1
HULL1C
MODIFY FILE VESSAUTO
CRTFORM LINE 1
ADD SYS SPECIFICATIONS (VASPEC SEGMENT)

| <77 |
| TYPE <16 < VA_TYP <77 |
| SUBTYPE <16 < VA_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

MATCH VA_TYP VA_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C
CASE HULL1C
CRTFORM LINE 1
ADD SYS SPECIFICATIONS (VASPEC SEGMENT)

| <77 |
| MFR/DES <20 <MFR_ID <77 |
| MFR_NO <20 <MFR_NO <77 |

| <77 |
| <77 |
| <77 |

| <77 |
| <77 |
| <77 |
| <4 <SPEC_COM1 <77 |
| <4 <SPEC_COM2 <77 |
| <4 <SPEC_COM3 <77 |

COMMENTS <77 |

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_COST
ON MATCH REJECT
  ON NOMATCH INCLUDE
  ENDcase

DATA
END

RUN
-GOTO HULL1
-AMV1

MODIFY FILE VESSAUTO
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>ADD AMV REFERENCES (AMVREF SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>SYS TYPE &lt;16 &lt; VS_TYP &lt;77</td>
</tr>
<tr>
<td>SYS SUBTYPE &lt;16 &lt; VS_TYP &lt;77</td>
</tr>
<tr>
<td>&lt;77</td>
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<td>&lt;77</td>
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<td>&lt;77</td>
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<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>MATCH VS_TYP VS STYP</td>
</tr>
<tr>
<td>ON NOMATCH REJECT</td>
</tr>
<tr>
<td>ON MATCH GOTO AMV1</td>
</tr>
</tbody>
</table>

CASE AMV1

CRTFORM LINE 1

<table>
<thead>
<tr>
<th>ADD AMV REFERENCES (AMVREF SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>SHIP ID &lt;16 &lt; SHIP_ID &lt;77</td>
</tr>
<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>SHIP NAME &lt;16 &lt; SHIP_NAME &lt;77</td>
</tr>
<tr>
<td>SHIP FLAG &lt;16 &lt; SHIP_FLAG &lt;77</td>
</tr>
<tr>
<td>&lt;77</td>
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<tr>
<td>&lt;77</td>
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<tr>
<td>&lt;77</td>
</tr>
</tbody>
</table>
| MATCH SHIP_ID
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVA1

ENDCASE

DATA
END

-LIT1

MODIFY FILE VESSAUTO
CRTFORM LINE 1

"| -----------------------------

ADD LITERATURE REFERENCES (LITREF SEGMENT) |

| " |<77 |"

| SYS TYPE <16 < VS_TYP <77 |
| SYS_SUBTYPE <16 < VS_STYP <77 |
| " |<77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| " |<77 |


MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO LIT1

CASE LIT1

CRTFORM LINE 1

"| -----------------------------

ADD LITERATURE REFERENCES (LITREF SEGMENT) |

| " |<77 |"

| REFERENCE NO <17 < REF_NUM <77 |
| " |<77 |
| DESCRIPTION <17 < REF_DESC <77 |
| " |<77 |
| <77 |
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| <77 |
| <77 |
| " |<77 |


B-250-7
MATCH REF_NUM
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO LITERAL
--
CASE
--
DATA
END
--
RUN
-GOTO ONE
--
-TO
--
-CRTFORM LINE 1
--
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```

| <T.VS_COM1> <77 | 
| <T.VS_COM2> <77 | 
| <T.VS_COM3> <77 | 
| <77 | 
| <77 | 


ON MATCH UPDATE VS_COM1 VS_COM2 VS_COM3
DATA
END

* -RUN
-GOTO TWO
*
-HULL2
*
-CRTFORM LINE 1

| SYSDESIGN CHG OPTIONS FOR VESSAUTO FILE - OEB250 |

OPTIONS LIST

| [1] CHG SYS DESIGN |
| [2] CHG SYS DESCRIPTION |
| [3] CHG SYS SPECIFICATIONS |
| [4] FM DIRECTORY |

OPTION --> <&OPTION

| <77 | 
| <77 | 
| <77 | 


* -IF &OPTION EQ 1 GOTO HULL2A;
* -IF &OPTION EQ 2 GOTO HULL2B;
* -IF &OPTION EQ 3 GOTO HULL2C;
* -IF &OPTION EQ 4 GOTO TWO;
-GOTO HULL2
*
-HULL2A
*
MODIFY FILE VESSAUTO
CRTFORM LINE 1

| CHG SYS DESIGN (VASYS SEGMENT) |

| TYPE <16 < VS_TYP <77 | 
| SUBTYPE <16 < VS_STYP <77 | 
| <77 | 
| <77 | 
| <77 | 
| <77 | 
| <77 | 
| <77 | 
| <77 | 
| <77 | 

B-250-9
```
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A
-
CASE HULLA2A
-
CRTFORM LINE 1
-
CHG DESIGN (VASYS SEGMENT)
-
MFR/DESIGNER <16 < MFR_ID <77 |
MFR NUMBER <16 < MFR_NO <77 |
<77 |
<30 ( PRESS RETURN ) <77 |
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
-
COMMENTS <77 |
-
CHG SYS DESCRIPTION (VADESC SEGMENT)
-
MODIFY FILE VESSAUTO
CRTFORM LINE 1
-
MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2B

CASE HULLA2B

CRTFORM LINE 1

CHG DESCRIPTION (VADESC SEGMENT)

| MFR/DESIGNER | <16 < MFR_ID | <77 |
| MFR NUMBER | <16 < MFR_NO | <77 |
| <30 ( PRESS RETURN ) | <77 |

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_FN
ON NOMATCH REJECT
ON MATCH CRTFORM

FUNCTION | <12 < T.VA_FN> | <38 INPUT 1 | <50 < T.VA_IN1> | <77 |
INPUT 2 | <12 < T.VA_IN2> | <38 INPUT 3 | <50 < T.VA_IN3> | <77 |
OUTPUT 1 | <12 < T.VA_OUT1> | <38 OUTPUT2 | <50 < T.VA_OUT2> | <77 |
OUTPUT 3 | <12 < T.VA_OUT3> | <77 |

COMMENTS | <77 |

| <77 |
| <4 < T.VA_COM1> | <77 |
| <4 < T.VA_COM2> | <77 |
| <4 < T.VA_COM3> | <77 |
| <77 |


ON MATCH UPDATE VA_FN VA_IN1 VA_IN2 VA_IN3 VA_OUT1 VA_OUT2 VA_OUT3
ON MATCH UPDATE VA_COM1 VA_COM2 VA_COM3

ENDCASE

DATA

RUN
GOTO HULL2

MODIFY FILE VESSAUTO
CRTFORM LINE 1

CHG SPECIFICATIONS (VASPEC SEGMENT)

| TYPE | <16 < VS_TYP | <77 |
| SUBTYPE | <16 < VS_STYP | <77 |
| <77 |
MATCH VS_TYP VS_STYP
  ON NOMATCH REJECT
  ON MATCH GOTO HULLA2C
*
CASE HULLA2C
*
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG SPECIFICATIONS (VASPEC SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR/DESIGNER  &lt;16 &lt; MFR_ID &lt;77</td>
</tr>
<tr>
<td>MFR_NUMBER    &lt;16 &lt; MFR_NO  &lt;30 ( PRESS RETURN ) &lt;77</td>
</tr>
</tbody>
</table>

MATCH MFR_ID MFR_NO
  ON NOMATCH REJECT
  ON MATCH CONTINUE TO VA_COST
  ON NOMATCH REJECT
  ON MATCH CRTFORM

| COST    <20 <T.VA_COST>  <38 EFF RATING <60 <T.VA_EFF_RAT> <77 | |
| <77 | |
| <77 | |
| <77 | |
| <77 | |
| COMMENTS <77 | |
| <4 <T.SPEC_COM1> <77 | |
| <4 <T.SPEC_COM2> <77 | |
| <4 <T.SPEC_COM3> <77 | |
| <77 | |
| <77 | |

|----------------------------------------------------|

ON MATCH UPDATE VA_COST VA_EFF_RAT
  ON MATCH UPDATE SPEC_COM1 SPEC_COM2 SPEC_COM3

ENDCASE

DATA
  END

RUN
  GOTO HULL2

-AMV2

MODIFY FILE VESSAUTO
CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG AMV REFERENCES (AMVREF SEGMENT)</th>
</tr>
</thead>
</table>

B-250-12
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2
*
CASE AMV2
*
CRTFORM LINE 1
CHG AMV REFERENCES (AMVREF SEGMENT)
*
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
*
MATCH SHIP NAME
ON NOMATCH REJECT
ON MATCH CRTFORM
*
ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2
*
ENDCASE
*
DATA
END
*
-RUN
-GOTO TWO
*
-LIT2
*
MODIFY FILE VESSAUTO
CRTFORM LINE 1

B-250-13
CHG LITERATURE REFERENCE (LITREF SEGMENT)

| TYPE <16 < VS_TYP <77 |
| SUBTYPE <16 < VS_STYP <77 |


MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA2

CASE LITA2

CRTFORM LINE 1

| REF NUMBER <17 < REF_NUM <77 |
| <77 |
| <33 ( PRESS RETURN ) <77 |

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM

| REFERENCE DESCRIPTION
| <77 |

| <8 <T.REF_DESC> <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |


ON MATCH UPDATE REF_DESC
GOTO LITA2

ENDCASE

DATA

END

-RUN
-GOTO TWO
-THREE
CRTFORM LINE 1
DETERMINE OPTIONS FOR VESSAUTO FILE - OEB250

OPTIONS LIST

[1] DEL MAIN SEGMENT
[2] DEL DESIGN SEGMENT
[3] DEL AMV REFERENCES
[4] DEL LITERATURE REFS
[5] FM DIRECTORY

OPTION --> & OPTION


- IF & OPTION EQ 1 GOTO MAIN3;
- IF & OPTION EQ 2 GOTO HULL3;
- IF & OPTION EQ 3 GOTO AMV3;
- IF & OPTION EQ 4 GOTO LIT3;
- IF & OPTION EQ 5 GOTO TOP;
- GOTO THREE

MAIN3

MODIFY FILE VESSAUTO
CRTFORM LINE 1

DELETE MAIN SYSTEM (MAIN SEGMENT)

|<77 |
|TYPE <10 < VS_TYP<77 |
|<77 |
|<33 (PRESS RETURN)<77 |

MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM
<77 |

|<77 |
|<4 <D.VS.COM1<77 |
|<4 <D.VS.COM2<77 |
|<4 <D.VS.COM3<77 |
|<77 |
|<77 |
|<77 |


ON MATCH DELETE
DATA
END

-RUN
-GOTO THREE

B-250-15
-HULL3
- CRTFORM LINE 1

" "

**SYS DESIGN DEL OPTIONS FOR VESSAUTO FILE - GEB250**

```
OPTIONS LIST
[1] DEL SYS DESIGN
[2] DEL SYS DESCRIPTION
[3] DEL SYS SPECIFICATIONS
[4] FM DIRECTORY

OPTION --> <&OPTION

```

- IF &OPTION EQ 1 GOTO HULL3A;
- IF &OPTION EQ 2 GOTO HULL3B;
- IF &OPTION EQ 3 GOTO HULL3C;
- IF &OPTION EQ 4 GOTO THREE;
- GOTO HULL3

-HULL3A

MODIFY FILE VESSAUTO
CRTFORM LINE 1

```
DEL SYS DESIGN (WTSYS SEGMENT)
```

```
|<77 | "
|TYPE | <16 < VS_TYP <77 | "
|SUBTYPE | <16 < VS_STYP <77 | "
|<77 | "
|<77 | "
|<77 | "
|<77 | "
|<77 | "
|<77 | "
|<77 | "
|<77 | "
|<77 | "
|<77 | "
|<77 | "

(TAB) NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
```

MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3A

CASE HULLA3A

-CRTFORM LINE 1

```
DEL DESIGN (WTSYS SEGMENT)
```

B-250-16
MODIFY FILE VESSAUTO
CRTFORM LINE 1

DEL SYS DESCRIPTION (VADESC SEGMENT)

MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B

CASE HULLA3B

CRTFORM LINE 1
DEL DESCRIPTION (VADESC SEGMENT)

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_FN
ON NOMATCH REJECT
ON MATCH CRTFORM

FUNCTION <12 <D.VA_FN> <38 INPUT 1 <50 <D.VA_IN1> <77 |
INPUT 2 <12 <D.VA_IN2> <38 INPUT 3 <50 <D.VA_IN3> <77 |
OUTPUT 1 <12 <D.VA_OUT1> <38 OUTPUT2 <50 <D.VA_OUT2> <77 |
OUTPUT 3 <12 <D.VA_OUT3> <77 |
<br>
COMMENTS <77 |
<br>

TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

ON MATCH DELETE

ENDCASE

DATA END

-RUN
-GOTO HULL3

-HULL3C

MODIFY FILE VESSAUTO
CRTFORM LINE 1

DEL SYS SPECIFICATIONS (VASPEC SEGMENT)

MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C
CASE HULLA3C

CRTFORM LINE 1

CHG SPECIFICATIONS (VASPEC SEGMENT)

| MFR/DESIGNER   | <16 < MFR_ID      | <77 |
| MFR_NUMBER     | <16 < MFR_NO      | <30 (PRESS RETURN) | <77 |

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_COST
ON NOMATCH REJECT
ON MATCH CRTFORM

| COST   | <20 <D.VA_COST>  <38 EFF RATING <60 <D.VA_EFF_RAT> <77 |
|        | <77 |
|        | <77 |
|        | <77 |
|        | <77 |

| COMMENTS <77 |
| <4 <D.SPEC COM1> <77 |
| <4 <D.SPEC COM2> <77 |
| <4 <D.SPEC COM3> <77 |
| <77 |
| <77 |


ON MATCH DELETE

ENDCASE

DATA

END

RUN

GOTO HULL3

MODIFY FILE VESSAUTO

CRTFORM LINE 1

DEL AMV REFERENCES (AMVREF SEGMENT)

| TYPE   | <16 < VS_TYP <77 |
| SUBTYPE| <16 < VS_STYP <77 |
|        | <77 |
|        | <77 |
|        | <77 |
|        | <77 |
|        | <77 |
|        | <77 |
|        | <77 |

MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA3

CASE AMVA3
  CRTFORM LINE 1
  "DEL ANY REFERENCES (AMVREF SEGMENT)"

  "| <77 |
  | SHIP_ID <16 < SHIP_ID <77 |
  | <77 |
  | <33 (PRESS RETURN) <77 |

MATCH SHIP_ID
ON NOMATCH REJECT
ON MATCH CRTFORM
  "| <77 |
  | SHIP_NAME <16 < D.SHIP_NAME <77 |
  | SHIP_FLAG <16 < D.SHIP_FLAG <77 |
  | <77 |
  | <77 |
  | <77 |
  | <77 |
  | <77 |
  | <77 |


ON MATCH DELETE
GOTO AMVA3
ENDCASE

DATA END
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
ENDCASE

RUN
GOTO THREE

MODIFY FILE VE observation
CRTFORM LINE 1

"DEL LITERATURE REFERENCE (LITREF SEGMENT)"

"| <77 |
| TYPE <16 < VS_TYP <77 |
| SUBTYPE <16 < VS_STYP <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

B-250-20
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA3

CASE LITA3

CRTFORM LINE 1

DEL LITERATURE REFERENCE (LITREF SEGMENT)

| REF NUMBER <17 < REF_NUM <77 |
| <77 |
| <33 ( PRESS RETURN ) <77 |

MATCH REF NUM
ON NOMATCH REJECT
ON MATCH CRTFORM

| REFERENCE DESCRIPTION <77 |

| <77 |
| <77 |
| <8 <D.REF_DESC <77 |
| <77 |
| <77 |
| <77 |
| <77 |

ON MATCH DELETE
GOTO LITA3

ENDCASE

DATA
END

RUN
-GOTO THREE

RUN
-GOTO TOP

RUN
-FOUR

EX OEB200
END

RUN
-GOTO TOP

B-250-21
FILE MAINTENANCE ROUTINE FOR MFRREF FILE - OEB260

- DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH
- DESIGNED BY: M. J. STEVENS (VTC)
- DATE LAST REV: 4/20/87

TOP
-DEFAULTS &OPTION=0
-CRTFORM LINE 1

FILE MAINTENANCE ROUTINES FOR MFRREF FILE - OEB260

MAINTENANCE OPTIONS LIST

[1] ADD MANUFACTURER
[2] CHANGE MFR DATA
[3] DELETE MANUFACTURER
[4] EXIT MFRREF FILE

OPTION --> &OPTION

| <77 | "
| <77 | "
| <77 | "
| <77 | "

(TAB) NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

IF &OPTION EQ 1 GOTO ONE;
IF &OPTION EQ 2 GOTO TWO;
IF &OPTION EQ 3 GOTO THREE;
IF &OPTION EQ 4 GOTO FOUR;
GOTO TOP

ONE

MODIFY FILE MFRREF
-CRTFORM LINE 1

ADD NEW MANUFACTURER OR DESIGNER

| <77 | "
| <10 MANUFACTURER'S ID <35 < MFR_ID <77 | "
| <77 | "
| <10 NAME OF FIRM <35 < MFR_NAME <77 | "
| <77 | "
| <10 ADDRESS LINE 1 <35 < MFR_ADD1 <77 | "
| <77 | "
| <10 ADDRESS LINE 2 <35 < MFR_ADD2 <77 | "
| <77 | "
| <10 ADDRESS LINE 3 <35 < MFR_ADD3 <77 | "
| <77 | "
| <10 PHONE NUMBER <35 < MFR_PHONE <77 | "
| <77 | "
| <10 REPRESENTATIVE <35 < MFR_REP <77 | "
| <77 | "
| <77 | "

(TAB) NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

MATCH MFR_ID

B-260-1
ON MATCH REJECT
ON NOMATCH INCLUDE
DATA
END

-RUN
-GOTO TOP

-TWO

MODIFY FILE MFRREF
CRTFORM LINE 1

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHANGE DATA ON MANUFACTURER OR DESIGNER</td>
<td></td>
</tr>
<tr>
<td>22 ENTER MANUFACTURER’S ID 47 MFR_ID 77</td>
<td></td>
</tr>
<tr>
<td>77</td>
<td></td>
</tr>
<tr>
<td>30 ( PRESS RETURN ) 77</td>
<td></td>
</tr>
</tbody>
</table>

MATCH MFR ID
ON NOMATCH REJECT
ON MATCH CRTFORM

| 77 |
| NAME OF FIRM 35 T.MFR_NAME 77 |
| ADDRESS LINE 1 35 T.MFR_ADD1 77 |
| ADDRESS LINE 2 35 T.MFR_ADD2 77 |
| ADDRESS LINE 3 35 T.MFR_ADD3 77 |

77

PHONE NUMBER 35 T.MFR_PHONE 77 |

77

REPRESENTATIVE 35 T.MFR_REP 77 |

77


ON MATCH UPDATE MFR_NAME MFR_ADD1 MFR_ADD2 MFR_ADD3 MFR_PHONE MFR_REP
DATA
END

-RUN
-GOTO TOP

-THREE

MODIFY FILE MFRREF
CRTFORM LINE 1

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DELETE MANUFACTURER OR DESIGNER</td>
<td></td>
</tr>
<tr>
<td>22 ENTER MANUFACTURER’S ID 47 MFR_ID 77</td>
<td></td>
</tr>
<tr>
<td>77</td>
<td></td>
</tr>
<tr>
<td>30 ( PRESS RETURN ) 77</td>
<td></td>
</tr>
</tbody>
</table>

MATCH MFR ID
ON NOMATCH REJECT
ON MATCH CRTFORM

| 77 |
| NAME OF FIRM 35 D.MFR_NAME 77 |
| ADDRESS LINE 1 35 D.MFR_ADD1 77 |
| ADDRESS LINE 2 35 D.MFR_ADD2 77 |
| ADDRESS LINE 3 35 D.MFR_ADD3 77 |

77

PHONE NUMBER 35 D.MFR_PHONE 77 |

B-260-2
ON MATCH DELETE
DATA
END
-*
-RUN
-GOTO TOP
-*
-FOUR
-**
EX OEB200
END
-*
-RUN
-GOTO TOP
FILE MAINTENANCE ROUTINE FOR VESSAUTO FILE - OEB270

* DESIGNED FOR : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
* DESIGNED BY : M. J. STEVENS (VTC)
* DATE LAST REV : 4/20/87

TOP
-DEFAULTS &OPTION=0
-CRTFORM LINE 1

FILE MAINTENANCE ROUTINES FOR OEBREF FILE - OEB270

MAINTENANCE OPTIONS LIST

[1] ADD OEB REFERENCE
[2] CHG OEB REFERENCE
[3] DEL OEB REFERENCE
[4] EXIT OEBREF FILE

OPTION --> <&OPTION

[ ] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

-IF &OPTION EQ 1 GOTO ONE;
-IF &OPTION EQ 2 GOTO TWO;
-IF &OPTION EQ 3 GOTO THREE;
-IF &OPTION EQ 4 GOTO FOUR;
-GOTO TOP

ONE

-CRTFORM LINE 1

ADD OPTIONS FOR OEBREF FILE - OEB270

OPTIONS LIST

[1] ADD MAIN SEGMENT
[2] ADD AUTHOR SEGMENT
[3] ADD REF KEYWORDS
[4] ADD ABSTRACT LINES
[5] FM DIRECTORY

OPTION --> <&OPTION

[ ] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

-IF &OPTION EQ 1 GOTO MAIN1;

B-270-1
-IF &OPTION EQ 2 GOTO HULL1;  
-IF &OPTION EQ 3 GOTO AMV1;  
-IF &OPTION EQ 4 GOTO LIT1;  
-IF &OPTION EQ 5 GOTO TOP;  
-GOTO ONE

-MAIN1
  -MODIFY FILE OEBREF  
  CRTFORM LINE 1
  " "  
  " ADD NEW REFERENCE (MAIN SEGMENT) "  
  " "  
  " | REF NUM <14 < REF_NUM <77 | "  
  " "  
  " | <77 | "  
  " | REP TITLE <14 < REF_TITLE <77 | "  
  " | SOURCE <14 < REF_SOURCE <77 | "  
  " | REPORT NO <14 < REF_REP NO <77 | "  
  " | JOURNAL VOL <14 < REF_JN_VOL <77 | "  
  " | PUB DATE <14 < REF_PUB_DT <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | "  


MATCH REF_NUM
  ON MATCH REJECT
  ON NONMATCH INCLUDE
  DATA
  END  
-RUN  
-GOTO ONE
  -MODIFY FILE OEBREF  
  CRTFORM LINE 1
  " "  
  " ADD REF AUTHORS (AUTHOR SEGMENT) "  
  " "  
  " | <77 | "  
  " | REF NUMBER <16 < REF_NUM <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | <77 | "  
  " | "  


B-270-2
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH GOTO HULLA1A
* *
CASE HULLA1A
* *
CRTFORM LINE 1
* *
| ADD AUTHORS (AUTHOR SEGMENT) |
| " | 
| <77 | "
| LAST_NAME <20 < AUTH_LN <77 | "
| <77 | "
| FIRST_NAME <20 < AUTH_FN <77 | "
| <77 | "
| MIDDLEINITIAL <20 < AUTH_MI <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| " | 
MATCH AUTH LN AUTH_FN AUTH MI
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULLA1A
* *
ENDCASE
* *
DATA
END
* *
RUN
GOTO ONE
* *
AMV1
* *
MODIFY FILE OEBREF
CRTFORM LINE 1
* *
| ADD REF KEYWORDS (AMVREF SEGMENT) |
| " | 
| <77 | "
| REF_NUMBER <16 < REF_NUM <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| <77 | "
| " | 

B-270-3
MATCH REF_NUM
  ON NOMATCH REJECT
  ON MATCH GOTO AMVAL
CASE AMVAL
  CRTFORM LINE 1
  ADD REF KEYWORDS (AMVREF SEGMENT)
  MATCH KEY WD NO
  ON MATCH GOTO AMVAL
  END CASE
DATA
END
RUN
GOTO ONE
MODIFY FILE OEBREF
CRTFORM LINE 1
ADD ABSTRACT LINES (ABSTRACT SEGMENT)
MATCH REF NUMBER
<16 < REF_NUM <77
REF NUMBER <16 < REF_NUM <77

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH GOTO LITA1
CASE LITA1
CRTFORM LINE 1

ADD ABSTRACT LINES (ABSTRACT SEGMENT)

MATCH ABS_LN_NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO LITA1
ENDCASE
DATA
END
-RUN
-GOTO ONE

CRTFORM LINE 1

CHANGE REFERENCE OPTIONS FOR OEBREF FILE - OEB270

OPTIONS LIST

[1] CHG MAIN SEGMENT
[2] CHG REF KEYWORDS
[3] CHG ABSTRACT LINES
[4] FM DIRECTORY

OPTION -- > <&OPTION

B-270-5
- IF &OPTION EQ 1 GOTO MAIN2;
- IF &OPTION EQ 2 GOTO AMV2;
- IF &OPTION EQ 3 GOTO LIT2;
- IF &OPTION EQ 4 GOTO TOP;
- GOTO TWO
-
- MAIN2
-
MODIFY FILE OEBREF
CRTFORM LINE 1

| CHANGE REFERENCE (MAIN SEGMENT) |

| REF NUMBER <14 < REF_NUM <77 |
| <77 |
| <33 ( PRESS RETURN ) <77 |

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM

| <77 |
| REP TITLE <14 <T.REFITLE> <77 |
| SOURCE <14 <T.REF_SOURCE> <77 |
| REPORT NO <14 <T.REF REP NO> <77 |
| JOURNAL VOL <14 <T.REF_JN_VOL> <77 |
| PUB DATE <14 <T.REF_PUB_DT> <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

- [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

- RUN
- GOTO TWO
-
- AMV2
-
MODIFY FILE OEBREF
CRTFORM LINE 1

| CHG REF KEYWORDS (KEYWORD SEGMENT) |

| REF NUMBER <16 < REF_NUM <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

- [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

- MAIN2
-
MATCH REF NUM
ON NOMATCH REJECT
ON MATCH GOTO AMV2
*
CASE AMV2
*
CRTFORM LINE 1
------------------------
CHG REF KEYWORDS (KEYWORD SEGMENT)
------------------------
| "| <77 |"
| "| word no <20 <key_word_no> <77 |" 
| "| <77 |"
| "| <33 ( PRESS RETURN ) >77 |"
------------------------
MATCH KEY word NO
ON NOMATCH REJECT
ON MATCH CRTFORM
*
| "| <77 |"
| "| KEYWORD <20 <T.KEYWORD> <77 |"
| "| <77 |"
| "| <77 |"
| "| <77 |"
| "| <77 |"
| "| <77 |"
| "| <77 |"
| "| <77 |"

-----

| "| "| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
| "| "| "| "| "| "| "| "| "| "|
| "| "| "| "| "| "| "| "| "| "|

ON MATCH UPDATE KEY word
GOTO AMV2
*
ENDCASE
*
DATA
END
*
- RUN
- GOTO TWO
*
*
- LIT2
*
MODIFY FILE OEBREF
CRTFORM LINE 1
------------------------
CHG ABSTRACT LINES (ABSTRACT SEGMENT)
------------------------
| "| "| "| "| "| "| "| "| "| "|
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N

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B-270-7
MATCH REF_NUM
  ON NOMATCH REJECT
  ON MATCH GOTO LITA2
-
CASE LITA2
-
  CRTFORM LINE 1

<table>
<thead>
<tr>
<th>CHG ABSTRACT LINES (ABSTRACT SEGMENT)</th>
</tr>
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<tbody>
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MATCH ABS_LN_NO
  ON NOMATCH REJECT
  ON MATCH CRTFORM
| |<77 |
| | TEXT <14 <T.ABS_TEXT> <77 |
| |<77 |
| |<77 |
| |<77 |
| |<77 |
| |<77 |
| |<77 |
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</table>
| | ON MATCH UPDATE ABS_TEXT
| | GOTO LITA2
| | ENDCASE
| |
| DATA END
| |
| -RUN
| -GOTO TWO
| |
| *******************
| | THREE
| |*******************
| |*******************
| |-CRTFORM LINE 1
| |---
| | DELETE REFERENCE OPTIONS FOR OEBREF FILE - OEB270
| |---
| | OPTIONS LIST
| | [1] DEL MAIN SEGMENT
| | [2] DEL AUTHOR SEGMENT
| | [3] DEL REF KEYWORDS
| |---

B-270-8
modify file oebref
CRTFORM LINE 1
------------------------------------------------------------
DELETE REFERENCE (MAIN SEGMENT)
------------------------------------------------------------
| <77 |
| REF NUMBER <16 < REF_NUM <77 |
| <77 |
| <33 (PRESS RETURN) <77 |
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
| <77 |
| REF TITLE <14 <D.REF_TITLE> <77 |
| SOURCE <14 <D.REF_SOURCE> <77 |
| REPORT NO <14 <D.REF_REP_NO> <77 |
| JOURNAL VOL <14 <D.REF_JN_VOL> <77 |
| PUB DATE <14 <D.REF_PUB_DT> <77 |
| <77 |
| <77 |
| <77 |
------------------------------------------------------------
[TAB] NEXT FIELD, (RETURN) TAKE ACTION, [PF3] QUIT
------------------------------------------------------------
ON MATCH DELETE
DATA
END
*RUN
-GOTO THREE
*HULL3
*MODIFY FILE OEBREF
CRTFORM LINE 1
----------------------------------
DEL REF AUTHORS (AUTHOR SEGMENT)
----------------------------------
| <77 |
| REF NUMBER <16 < REF_NUM <77 |
| <77 |
| <77 |
MATCH REF NUM
ON NOMATCH REJECT
ON MATCH GOTO HULLA3A

CASE HULLA3A

CRTFORM LINE 1

| DEL AUTHOR (AUTHOR SEGMENT) |

| LAST NAME | <16 < AUTH_LN | <77 |
| FIRST NAME | <16 < AUTH_FN | <77 |
| MIDDLE INIT | <16 < AUTH_MI | <77 |

MATCH AUTH_LN AUTH_FN AUTH_MI ON NOMATCH REJECT
ON MATCH CRTFORM

| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |


ON MATCH DELETE
GOTO HULLA3A

ENDCASE

DATA
END

-RUN
-GOTO THREE

-AMV3

MODIFY FILE OEBREF
CRTFORM LINE 1

| DEL REF KEYWORDS (KEYWORD SEGMENT) |

| REF NUMBER | <16 < REF_NUM | <77 |

B-270-10

MATCH REF NUM
ON NOMATCH REJECT
ON MATCH GOTO AMVA3

CASE AMVA3

CRTFORM LINE 1


MATCH KEY WD NO
ON NOMATCH REJECT
ON MATCH CRTFORM


ON MATCH DELETE
GOTO AMVA3

ENDCASE

DATA
END

-GOTO THREE

-LIT3

MODIFY FILE OEBREF
CRTFORM LINE 1


B-270-11
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH GOTO LITA3

CASE LITA3
*
CRTFORM LINE 1
**********
DEL ABSTRACT LINES (ABSTRACT SEGMENT)
**********

ON MATCH ABS LN NO
ON NOMATCH REJECT
ON MATCH CRTFORM

| <77 |
| LINE NO <14 < ABS_LN_NO <77 |
| <77 |
| <33 ( PRESS RETURN ) <77 |

MATCH ABS LN NO
ON NOMATCH REJECT
ON MATCH CRTFORM

| <77 |
| TEXT <D.ABSTEXT <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

**********

ON MATCH DELETE
GOTO LITA3
*
ENDCASE
*
DATA
END
*
-RUN
-GOTO THREE
*
-
-RUN
-GOTO TOP
*

B-270-12
-FOUR
-*
EX OEB200
END
-*
RUN
-GOTO TOP
MTD SYSTEM REP DIRECTORY - OEB300

* DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH
* DESIGNED BY: M. J. STEVENS (VTC)
* DATE LAST REV: 4/28/87

TOP
-DEFAULTS &OPTION=0
-CRTFORM LINE 1

MARINE TECHNOLOGY DATABASE REP DIRECTORY - OEB300

DIRECTORY OPTIONS

[1] HULL CONFIGURATIONS
[2] PROPULSION SYSTEMS
[3] PROPULSOR SYSTEMS
[4] WEIGHT HANDLING
[5] VESSEL AUTOMATION
[6] MANUFACTURERS
[7] OEB REFERENCES
[8] MASTER DIRECTORY

OPTION --> (&OPTION


*"*IF &OPTION EQ 1 GOTO ONE;
-IF &OPTION EQ 2 GOTO TWO;
-IF &OPTION EQ 3 GOTO THREE;
-IF &OPTION EQ 4 GOTO FOUR;
-IF &OPTION EQ 5 GOTO FIVE;
-IF &OPTION EQ 6 GOTO SIX;
-IF &OPTION EQ 7 GOTO SEVEN;
-IF &OPTION EQ 8 GOTO EIGHT;
-GOTO TOP
-*
-ONE
-*
EX OEB310
END
-*
-RUN
-GOTO TOP
-*
-TWO
-*
EX OEB320
END
-*
-RUN
-GOTO TOP
-*
-THREE
-*
EX OEB330
END
-*
-RUN
-GOTO TOP

-FOUR

* EX OEB340
END

-FIVE

* EX OEB350
END

-SIX

* EX OEB360
END

-SEVEN

* EX OEB370
END

-EIGHT

* EX OEB010
END

-RUN
-GOTO TOP
REPORTING SYSTEM OPTIONS

[1] OUTPUT OPTIONS
[2] REPORT OPTIONS
[3] EXIT PROGRAM

OPTION --> &OPTION

<TAB> NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

IF &OPTION EQ 1 GOTO ONE;
IF &OPTION EQ 2 GOTO TWO;
IF &OPTION EQ 3 GOTO THREE;
GOTO TOP

ONE

-CRTFORM LINE 1

REPORT OUTPUT OPTIONS MENU

OPTIONS LIST

[1] DIRECT OUTPUT TO CRT
[2] DIRECT OUTPUT TO PRT
[3] REPORT DIRECTORY

OPTION --> &OPTION

<TAB> NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE
*
-MAIN1
*
OFFLINE CLOSE
ONLINE
END
*
-CRTFORM LINE 1
*
-
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-
[3] AMV REFERENCE REPORT

[4] LITERATURE REF REPORT

[5] REPORT DIRECTORY

OPTION --> <&OPTION

<77 |
<77 |


---

* IF &OPTION EQ 1 GOTO MAIN2;
* IF &OPTION EQ 2 GOTO HULL2;
* IF &OPTION EQ 3 GOTO AMV2;
* IF &OPTION EQ 4 GOTO LIT2;
* IF &OPTION EQ 5 GOTO TOP;
* GOTO TWO

* TABLE FILE HULLCNFG
* HEADING CENTER
* "HULLCNFG FILE TYPES/SUBTYPES AND GENERAL COMMENTS"

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' SKIP-LINE OVER
HULL_COM1 AS 'COMM' OVER HULL_COM2 AS ' ' OVER HULL_COM3 AS ' ';
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
END

* RUN
* GOTO TWO

* HULL2

* CRTFORM LINE 1

HULL DESIGN REP OPTIONS FOR HULLCNFG FILE - OEB310

OPTIONS LIST

[1] HULL DESIGN REPORT
[2] HULL DESCRIPTION REPORT
[3] HULL SPECIFICATIONS REPORT
[4] RIDE CONTROL SPECS REPORT
[5] RETURN TO MENU

OPTION --> <&OPTION

<77 |
<77 |


---

* IF &OPTION EQ 1 GOTO HULL2A;
* IF &OPTION EQ 2 GOTO HULL2B;
* IF &OPTION EQ 3 GOTO HULL2C;
* IF &OPTION EQ 4 GOTO HULL2D;
* IF &OPTION EQ 5 GOTO TWO;
-GOTO HULL2

-HULL2A

-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

<77 | "

[1] ALL DESIGNS IN HULLCNFG FILE <77 | "
[2] DESIGNS ASSOCIATED WITH SPECIFIC HULL TYPE/SUBTYPE <77 | "
[3] RETURN TO MENU <77 | "

<77 | "

OPTION &OPTION <77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

[tab] next field, [return] take action, [pf3] quit

-IF &OPTION EQ 2 GOTO HULL2A2;
-IF &OPTION EQ 1 GOTO HULL2A1;
-IF &OPTION EQ 3 GOTO HULL2;
-GOTO HULL2A

-HULL2A

-CRTFORM LINE 1

HULL TYPE AND SUBTYPE SELECTION (HULLDESN SEGMENT)

<77 | "

<16 < &HULL_TYP <77 | "

<16 < &HULL_STYP <77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

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<77 | "

<77 | "

<77 | "

<77 | "

<77 | "

[tab] next field, [return] take action, [pf3] quit

-TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE SPECIFIC DESIGNS/DESIGN NUMBERS AND GENERAL COMMENTS"

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'MFR' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' ' BY MFR_ID NOPRINT

B-310-4
BY MFR NO NOPRINT
IF HULL TYP IS &HULL TYP
IF HULL STYP IS &HULL STYP
END

-GOTO P2A

-HULL2A1

TABLE FILE HULLCNFG
HEADING CENTER
"ALL HULLCNFG FILE DESIGNS/DESIGN NUMBERS AND GENERAL COMMENTS"
PRINT HULL TYP AS 'TYPE' OVER HULL STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
MFR COM1 AS 'COM1' OVER MFR COM2 AS '' OVER MFR COM3 AS ''
BY HULL TYP NOPRINT
BY HULL STYP NOPRINT
BY MFR ID NOPRINT
BY MFR NO NOPRINT
END

-P2A

-RUN

-GOTO HULL2A

-HULL2B

-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

| <77 | 
| [1] ALL DESCRIPTIONS IN HULLCNFG FILE | <77 |
| [2] DESCRIPTION ASSOCIATED WITH SPECIFIC HULL TYPE/SUBTYPE | <77 |
| [3] DESCRIPTION ASSOCIATED WITH SPECIFIC HULL TYPE/SUBTYPE AND MFR/MFR NO | <77 |
| [4] RETURN TO MENU | <77 |

OPTION <&OPTION <77 |


-IF &OPTION EQ 1 GOTO HULL2B1;
-IF &OPTION EQ 2 GOTO HULL2B2;
-IF &OPTION EQ 3 GOTO HULL2B3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2B

-HULL2B1

TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE DESIGN DESCRIPTIONS AND GENERAL COMMENTS"

B-310-5
PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
HULL_SHAPE AS 'SHAP' OVER HULL_TYP AS 'BOW' OVER HULL_RTYT AS 'STRN'
OVER HULL_MAT AS 'MAT' OVER HULL_PTHCK AS 'PTHK' OVER HULL_FTYP
AS 'FRAM' OVER HULL_WGRPS AS 'WTGP' OVER HULL_COM1 AS 'COMM' OVER
HULL_COM2 AS ' ' OVER HULL_COM3 AS ' '
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

-GOTO P2B

-HULL2B3

-CRTFORM LINE 1

<table>
<thead>
<tr>
<th>HULL TYPE/SUBTYPE SELECTION (HULLDESN SEGMENT)</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>TYPE &lt;16 &lt; &amp;HULL_TYP &lt;77</td>
</tr>
<tr>
<td>SUBTYPE &lt;16 &lt; &amp;HULL_STYP &lt;77</td>
</tr>
</tbody>
</table>

| TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |

-TABLE FILE HULLCNFG
HEADING CENTER
"SPECIFIC HULLCNFG FILE DESIGN DESCRIPTIONS AND GENERAL COMMENTS"

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
HULL_SHAPE AS 'SHAP' OVER HULL_TYP AS 'BOW' OVER HULL_RTYT AS 'STRN'
OVER HULL_MAT AS 'MAT' OVER HULL_PTHCK AS 'PTHK' OVER HULL_FTYP
AS 'FRAM' OVER HULL_WGRPS AS 'WTGP' OVER HULL_COM1 AS 'COMM' OVER
HULL_COM2 AS ' ' OVER HULL_COM3 AS ' '
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END

-GOTO P2B

-HULL2B3

-CRTFORM LINE 1

<table>
<thead>
<tr>
<th>HULL TYPE/SUBTYPE AND MFR/MFR_NO SELECTION (HULLDESN SEGMENT)</th>
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<tbody>
<tr>
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</tbody>
</table>
TABLE FILE HULLCNFG
HEADING CENTER
"SPECIFIC HULLCNFG FILE DESIGN DESCRIPTIONS AND GENERAL COMMENTS"

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER MFR_ID AS 'MFR' OVER MFR_NO AS 'MFR' SKIP-LINE OVER HULL SHAPE AS 'SHAP' OVER HULL_BTYP AS 'BTYP' OVER HULL_RTYP AS 'RTYP' OVER HULL_MAT AS 'HULL MAT' OVER HULL_PTHCK AS 'PTHCK' OVER HULL_PTYTP AS 'PTYTP' OVER HULL_WGRPS AS 'WGRPS' OVER HULL_COM1 AS 'COM1' OVER HULL_COM2 AS 'COM2' OVER HULL_COM3 AS 'COM3'

IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

-P2B
-RUN
-GOTO HULL2B

-HULL2C

-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL SPECIFICATIONS IN HULLCNFG FILE
[2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC HULL TYPE/SUBTYPE
[3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC HULL TYPE/SUBTYPE AND MFR/MFR NO
[4] RETURN TO MENU

OPTION <&OPTION

-IF &OPTION EQ 1 GOTO HULL2C1;
-IF &OPTION EQ 2 GOTO HULL2C2;
-IF &OPTION EQ 3 GOTO HULL2C3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2C
-*
-HULL2C1
-*
TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE DESIGN SPECIFICATIONS AND GENERAL COMMENTS"
""
PRINT HULL_TYP AS 'TYPE' OVER HULL STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUH' SKIP-LINE OVER
HULL LOA AS 'LOA' OVER HULL LBP AS 'LBP' OVER HULL BEAM AS 'BEAM'
OVER HULL MX DRFT AS 'MXDF' OVER HULL MN DRFT AS 'MNDF' OVER
HULL LS DRFT AS 'LSDF' OVER HULL FBD AS 'FBD' OVER HULL FL DIS
AS 'FDIS' OVER HULL_DWT AS 'DWT' OVER HULL DRA ST AS 'DRAFT'
OVER HULL_DRA_MC AS 'DRMC' OVER HULL MX DPTH AS 'DPTH' OVER
HULL_BLDG AS 'BLD' OVER HULL PRIS_C0 AS 'PRIS' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS' ' OVER SPEC_COM3 AS''
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
-*
-GOTO P2C
-*
-HULL2C2
-**
-CRTFORM LINE 1
HULL TYPE/SUBTYPE SELECTION (HULLDESIGN SEGMENT)

<table>
<thead>
<tr>
<th>TYPE</th>
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<tr>
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<td>&lt;16 &lt; &amp;HULL_TYP&lt;77</td>
</tr>
<tr>
<td>SUBTYPE</td>
<td>&lt;77</td>
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<tr>
<td></td>
<td>&lt;16 &lt; &amp;HULL_STYP&lt;77</td>
</tr>
</tbody>
</table>


*B-310-8*
HULL BLCK CO AS 'BLCK' OVER HULL PRIS CO AS 'PRIS' OVER
SPEC COM1 AS 'COMM' OVER SPEC COM2 AS '' OVER SPEC COM3 AS ''
BY MFR ID NOPRINT
BY MFR NO NOPRINT
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END
-
* GOTO P2C
-
* HULL2C3
-
* CRTFORM LINE

HULL TYPE/SUBTYPE AND MFR/MFR NO SELECTION (HULLDESIGN SEGMENT)

| TYPE | SUBTYPE | MFR | MFR NO | <77 |
+-----+---------+-----+--------+-----+
<16 | <16     | <16 | <16    | <77 |
<77 | <77     | <77 | <77    | <77 |
<77 | <77     | <77 | <77    | <77 |
<77 | <77     | <77 | <77    | <77 |
<77 | <77     | <77 | <77    | <77 |
<77 | <77     | <77 | <77    | <77 |


- *

TABLE FILE HULLCNFG
HEADING CENTER
"SPECIFIC HULLCNFG FILE DESIGN SPECIFICATIONS AND GENERAL COMMENTS"

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
HULL LOA AS 'LOA' OVER HULL LBP AS 'LBP' OVER HULL BEAM AS 'BEAM'
OVER HULL MX DRFT AS 'MXDF' OVER HULL MN DRFT AS 'MNDF' OVER
HULL LS DRFT AS 'LSDF' OVER HULL FBD AS 'FBD' OVER HULL FL DIS
AS 'FDIS' OVER HULL DWT AS 'DWT' OVER HULL DRA ST AS 'DST'
OVER HULL DRA MC AS 'DRMC' OVER HULL MX DPTH AS 'DPTH' OVER
HULL BLCK CO AS 'BLCK' OVER HULL PRIS CO AS 'PRIS' OVER
SPEC COM1 AS 'COMM' OVER SPEC COM2 AS '' OVER SPEC COM3 AS ''
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
IF MFR ID IS &MFR_ID
IF MFR NO IS &MFR_NO
END
-
* P2C
-
* RUN
-GOTO HULL2C
-
* HULL2D
-
* CRTFORM LINE

PARTIAL OR FULL REPORT SELECTION OPTIONS
[1] ALL RIDE CONTROL SPECIFICATIONS IN FILE

[2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC HULL TYPE/SUBTYPE

[3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC HULL TYPE/SUBTYPE AND MFR/MFR NO

[4] RETURN TO MENU

OPTION &&OPTION <77 |

<TAB> NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

-IF &&OPTION EQ 1 GOTO HULL2D1;
-IF &&OPTION EQ 2 GOTO HULL2D2;
-IF &&OPTION EQ 3 GOTO HULL2D3;
-IF &&OPTION EQ 4 GOTO HULL2;
-GOTO HULL2D

# TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE RIDE CONTROL SPECS AND GENERAL COMMENTS"
PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
CNTR_TYP AS 'CTYP' OVER CNTR_DESC AS 'DESC' OVER
CNTR_COM1 AS 'COMM' OVER CNTR_COM2 AS '' OVER CNTR_COM3 AS ''
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

-GOTO P2D

# HULL2D2

# CRTFORM LINE 1

HULL TYPE/SUBTYPE SELECTION (HULLDESIGN SEGMENT)

|| <77 |
| TYPE | <16 &HULL_TYP <77 |
| SUBTYPE | <16 &HULL_STYP <77 |
|| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |
| <77 |

B-310-10
TABLE FILE HULLCNFG
HEADING CENTER
"SPECIFIC HULLCNFG RIDE CONTROL SPECS AND GENERAL COMMENTS"

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
CNTR_TYPE AS 'CTYP' OVER CNTR_DESC AS 'DESC' OVER
CNTR_COM1 AS 'COM1' OVER CNTR_COM2 AS '' OVER CNTR_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END

-GOTO P2D
-*

-HULL2C3
-*

-CRTFORM LINE 1
-*

HULL TYPE/SUBTYPE AND MFR/MFR NO SELECTION (HULLDESN SEGMENT) |
-*

| <77 | " |
| "TYPE <16 < &HULL_TYP <77 | " |
| "SUBTYPE <16 < &HULL_STYP <77 | " |
| <77 | " |
| "MFR <16 < &MFR_ID <77 | " |
| "MFR NO <16 < &MFR_NO <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL AMV REFS IN HULLCNFG FILE
[2] REFS ASSOCIATED WITH SPECIFIC
   HULL TYPE/SUBTYPE
[3] RETURN TO MENU

OPTION <&OPTION <77 |

[1] ALL AMV REFS IN HULLCNFG FILE <77 |
[2] REFS ASSOCIATED WITH SPECIFIC <77 |
   HULL TYPE/SUBTYPE <77 |
[3] RETURN TO MENU <77 |

HULL TYPE AND SUBTYPE SELECTION (HULLDESN SEGMENT)

TYPE <16 < &HULL_TYP <77 |
SUBTYPE <16 < &HULL_STYP <77 |

[1] ALL AMV REFS IN HULLCNFG FILE <77 |
[2] REFS ASSOCIATED WITH SPECIFIC <77 |
   HULL TYPE/SUBTYPE <77 |
[3] RETURN TO MENU <77 |

TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE SPECIFIC AMV DATABASE REFERENCES"
PRINT HULL TYP AS 'TYPE' HULL STYP AS 'STYP'
SHIP ID AS 'SHIP' SHIP NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
IF HULL TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END
-GOTO PAMV
--
-AMV2A1
--

TABLE FILE HULLCNFG
HEADING CENTER
"ALL HULLCNFG FILE AMV REFERENCES"
- "
PRINT HULL_TYP AS 'TYPE' HULL_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
END
--
-PAMV
--
-RUN
-GOTO AMV2
--
-LIT2
--

-LIT2A2
--

-CRTFORM LINE 1
---

PARTIAL OR FULL REPORT SELECTION OPTIONS | |
---
<77 | [1] ALL LIT REFS IN HULLCNFG FILE <77 |
<77 | [2] REF S ASSOCIATED WITH SPECIFIC <77 |
<77 | HULL TYPE/SUBTYPE <77 |
<77 | [3] RETURN TO MENU <77 |
<77 | OPTION <&OPTION <77 | |
<77 | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | |
---

-IF &OPTION EQ 2 GOTO LIT2A2;
-IF &OPTION EQ 1 GOTO LIT2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO LIT2
*
-LIT2A2
--

-CRTFORM LINE 1
---

HULL TYPE AND SUBTYPE SELECTION (HULLDESN SEGMENT) |
---
<77 |
<16 < &HULL_TYP <77 |
<16 < &HULL_STYP <77 |
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TABLE FILE HULLCNFG
HEADING CENTER "HULLCNFG FILE SPECIFIC LITERATURE REFERENCES"
PRINT HULL_TYP AS 'TYPE' HULL_STYP AS 'STYP'
REF NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END
-GOTO PLIT
-GOTO LIT2A1

TABLE FILE HULLCNFG
HEADING CENTER "HULLCNFG FILE SPECIFIC LITERATURE REFERENCES"
PRINT HULL_TYP AS 'TYPE' HULL_STYP AS 'STYP'
REF NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
END
-PLIT
-RUN
-GOTO LIT2
-THE

OFFLINE CLOSE ONLINE EX OEB300 END
-RUN
-GOTO TOP
REPORTING SYSTEM OPTIONS

[1] OUTPUT OPTIONS  
[2] REPORT OPTIONS  
[3] EXIT PROGRAM

OPTION --> <&OPTION

<77 | "
<77 | "
<77 | "


-IF &OPTION EQ 1 GOTO ONE;
-IF &OPTION EQ 2 GOTO TWO;
-IF &OPTION EQ 3 GOTO THREE;
-GOTO TOP

-ONE

-CRTFORM LINE 1

REPORT OUTPUT OPTIONS MENU

OPTIONS LIST

[1] DIRECT OUTPUT TO CRT  
[2] DIRECT OUTPUT TO PRT  
[3] REPORT DIRECTORY

OPTION --> <&OPTION

<77 | "
<77 | "


-IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE
-*
-MAIN1
-*
OFFLINE CLOSE
ONLINE
END
-*
-CRTFORM LINE 1
-*

| ALL REPORTS WILL OUTPUT TO SCREEN |

PRESS RETURN TO CONTINUE <&OPTION 

-*
-RUN
-GOTO ONE
-*
-HULL1
-*
OFFLINE
END
-*
-CRTFORM LINE 1

| ALL REPORTS WILL OUTPUT TO PRINTER |

PRESS RETURN TO CONTINUE <&OPTION 

-*
-RUN
-GOTO ONE
-*

---------------------------------------------

-MAIN SEGMENT REPORT
(1) SYS SEGMENT REPORTS

OPTIONS LIST

[1] MAIN SEGMENT REPORT
[2] SYS SEGMENT REPORTS

B-320-2
TABLE FILE PROPULSN

HEADING CENTER
"PROPULSN FILE TYPES/SUBTYPES AND GENERAL COMMENTS"

PRINT PROTYP AS 'TYPE' OVER PROSTYP AS 'STYP' SKIP-LINE OVER
PROCOM1 AS 'COMM' OVER PROCOM2 AS '' OVER PROCOM3 AS ''
BY PROTYP NOPRINT
BY PROSTYP NOPRINT
END

-CRTFORM LINE 1

SYS DESIGN REP OPTIONS FOR PROPULSN FILE - OEB320

OPTIONS LIST

[1] SYS DESIGN REPORT
[2] SYS DESCRIPTION REPORT
[3] SYS SPECIFICATIONS REPORT
[4] DRIVE SPECS REPORT
[5] RETURN TO MENU

OPTION --> <&OPTION


-IF &OPTION EQ 1 GOTO HULL2A;
-IF &OPTION EQ 2 GOTO HULL2B;
-IF &OPTION EQ 3 GOTO HULL2C;
-IF &OPTION EQ 4 GOTO HULL2D;
-IF &OPTION EQ 5 GOTO TWO;
PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL SYSTEMS IN PROPULSN FILE

[2] SYSTEMS ASSOCIATED WITH SPECIFIC PROPULSION TYPE/SUBTYPE

[3] RETURN TO MENU

OPTION "&OPTION <77"


TABLE FILE PROPULSN

HEADING CENTER
"PROPULSN FILE SPECIFIC SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER MFR_C0M1 AS 'COMM' OVER MFR_C0M2 AS '' OVER MFR_C0M3 AS '' BY MFR_ID NOPRINT
BY MFR NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
-GOTO P2A
-HULL2A1

TABLE FILE PROPULSN
HEADING CENTER
"ALL PROPULSN FILE SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_NO2 AS '' OVER MFR_NO3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
-P2A
-RUN
-GOTO HULL2A
-HULL2B

-CRTFORM LINE 1
--------------------
PARTIAL OR FULL REPORT SELECTION OPTIONS
--------------------
[1] ALL DESCRIPTIONS IN PROPULSN FILE
[2] DESCRIPTION ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE
[3] DESCRIPTION ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE AND MFR/MFR NO
[4] RETURN TO MENU

OPTION &OPTION <77


-IF &OPTION EQ 1 GOTO HULL2B1;
-IF &OPTION EQ 2 GOTO HULL2B2;
-IF &OPTION EQ 3 GOTO HULL2B3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2B
-HULL2B1

TABLE FILE PROPULSN
HEADING CENTER
"PROPULSN FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

B-320-5
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_FNCNTN AS 'FNCT' OVER PRO_HP_TYP AS 'HTYP' OVER PRO_HP_COM AS 'HCOM'
OVER PRO_FUEL AS 'FUEL' OVER PRO_ST_MTHD AS 'STRT' OVER
PRO_TURBO AS 'TURB' OVER
PR_COMM AS 'COMM' OVER PR_COM2 AS ' ' OVER PR_COM3 AS ' '
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

** GOTO P2B
**
-HULL2B3
**
-CRTFORM LINE 1
**

SYS TYPE/SUBTYPE SELECTION (PROTYP SEGMENT)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SUBTYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
<td>&lt;16</td>
</tr>
</tbody>
</table>


**

TABLE FILE PROPULSN

HEADING CENTER
"SPECIFIC PROPULSN FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_FNCNTN AS 'FNCT' OVER PRO_HP_TYP AS 'HTYP' OVER PRO_HP_COM AS 'HCOM'
OVER PRO_FUEL AS 'FUEL' OVER PRO_ST_MTHD AS 'STRT' OVER
PRO_TURBO AS 'TURB' OVER
PR_COMM AS 'COMM' OVER PR_COM2 AS ' ' OVER PR_COM3 AS ' '
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

** GOTO P2B
**
-HULL2B3
**
-CRTFORM LINE 1
**

SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROTYP SEGMENT)

| <77 |

B-320-6
```plaintext
- " TYPE <16 < &PRO_TYP <77 | "
- " SUBTYPE <16 < &PRO_STYP <77 | "
- " <77 | "
- " MFR <16 < &MFR_ID <77 | "
- " MFR NO <16 < &MFR_NO <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " TABLE FILE PROPULSN
- " HEADING CENTER
- " " SPECIFIC PROPULSN FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
- " PRINT PRO TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
- " MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
- " PRO_FNCTN AS 'FNCT' OVER PRO_HP_TYP AS 'HTYP' OVER PRO_HP_COM AS 'HCOM'
- " OVER PRO_FUEL AS 'FUEL' OVER PRO_ST_MTHD AS 'STRT' OVER
- " PRO_TURBO AS 'TURB' OVER
- " PR_COM1 AS 'COMM' OVER PR_COM2 AS '" OVER PR_COM3 AS '"
- " IF PRO_TYP IS &PRO_TYP
- " IF PRO_STYP IS &PRO_STYP
- " IF MFR_ID IS &MFR_ID
- " IF MFR_NO IS &MFR_NO
- " END
- " -P2B
- " -RUN
- " -GOTO HULL2B
- " -HULL2C
- " -CRTFORM LINE 1
- " PARTIAL OR FULL REPORT SELECTION OPTIONS |
- " <77 | "
- " [1] ALL SPECIFICATIONS IN PROPULSN FILE <77 | "
- " [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC SYS_TYPE/SUBTYPE <77 | "
- " [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC SYS_TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " [4] RETURN TO MENU <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " </OPTION <&OPTION <77 | "
- " IF &OPTION EQ 1 GOTO HULL2C1;

B-320-7
AS 'PCST' OVER PRO MNT CST AS 'MCST' OVER PRO MNT MHR AS 'MMHR'
OVER PRO CYCLE AS 'CYC' OVER PRO NO CYL AS 'NCYL' OVER PRO STROK
AS 'STRK' OVER PRO BORE AS 'BORE' OVER PRO MEP AS 'MEP' OVER
PRO REL RAT AS 'RRAT' OVER PRO ORD TM AS 'ORDT' OVER PRO DIS AS
'DIS' OVER
SPEC COM1 AS 'COMM' OVER SPEC COM2 AS '' OVER SPEC COM3 AS ''
BY MFR ID NOPRINT
BY MFR NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
-*
-GOTO P2C
-*
-HULL2C3
-*
-CRTFORM LINE 1
-" ------------------------------------------
-" | SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PRO_TYP SEGMENT) |
-" ------------------------------------------
-" | <77 |
-" | TYPE <16 < &PRO_TYP <77 |
-" | SUBTYPE <16 < &PRO_STYP <77 |
-" | <77 |
-" | MFR <16 < &MFR_ID <77 |
-" | MFR NO <16 < &MFR_NO <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-" | <77 |
-"
-"
-" TABLE FILE PROPULSN
-" HEADING CENTER
-" " SPECIFIC PROPULSN FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
  "-
-" PRINT PRO_TYP AS 'TYPE' OVER PRO STYP AS 'STYP' OVER
MFR_ID AS '"MFR' OVER MFR NO AS '"MFR' SKIP-LINE OVER
PRO HP AS '"HP' OVER PRO RPM AS '"RPM' OVER PRO VOL AS '"VOL' OVER
PRO WEIGHT AS '"WT' OVER PRO LEN AS '"LEN' OVER PRO WIDTH AS '"WDTH'
OVER PRO HEIGHT AS '"HT' OVER PRO SFC AS '"SFC' OVER PRO PWR CST
AS '"PCST' OVER PRO MNT CST AS '"MNT' OVER PRO MNT MHR AS '"MHHR'
OVER PRO CYCLE AS '"CYC' OVER PRO NO CYL AS '"NCYL' OVER PRO STROK
AS '"STRK' OVER PRO BORE AS '"BORE' OVER PRO MEP AS '"MEP' OVER
PRO REL RAT AS '"RRAT' OVER PRO ORD TM AS '"ORDT' OVER PRO DIS AS
'DIS' OVER
SPEC COM1 AS '"COMM' OVER SPEC COM2 AS '"SPEC COM3 AS '"'
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
-*
-P2C
-*
-RUN
-GOTO HULL2C3

B-320-9
7.0.

-HULL2D

-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL DRIVE SPECIFICATIONS IN FILE
[2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE
[3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE AND MFR/MFR NO
[4] RETURN TO MENU

OPTION "&OPTION"<77 1"

[1] ALL DRIVE SPECIFICATIONS IN FILE"<77 1"
[2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE"<77 1"
[3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE AND MFR/MFR NO"<77 1"
[4] RETURN TO MENU"


-IF &OPTION EQ 1 GOTO HULL2D1;
-IF &OPTION EQ 2 GOTO HULL2D2;
-IF &OPTION EQ 3 GOTO HULL2D3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2D

TABLE FILE PROPULSN
HEADING CENTER
"PROPULSN DRIVE SPECIFICATIONS AND GENERAL COMMENTS"
""
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'MFR NO' OVER SKIP-LINE OVER
DRV_MFR AS 'MFR' OVER DRV_MOD AS 'MOD' OVER DRV_TYP AS 'TYPE' OVER
DRV_RED_RAT AS 'RRAT' OVER DRV_VOL AS 'VOL' OVER DRV_WEIGHT AS 'WT'
OVER DRV_REV AS 'REV' OVER
DRV_COM1 AS 'COM' OVER DRV_COM2 AS '' OVER DRV_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
-
-GOTO P2D
-
-HULL2D2
-
-CRTFORM LINE 1

SYS TYPE/SUBTYPE SELECTION (PRO_TYP SEGMENT)

-<77 1"
-TYPE <16 <&PRO_TYP<77 1"
-SUBTYPE <16 <&PRO_STYP<77 1"
""

B-320-10
DRV COM1 AS 'COMM' OVER DRV COM2 AS '' OVER DRV COM3 AS ''
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
--
-P2D
--
-RUN
-GOTO HULL2D
--
-AMV2
--
-CRTFORM LINE 1
-----------
PARTIAL OR FULL REPORT SELECTION OPTIONS
-----------

<77 |
[1] ALL AMV REFS IN PROPULSN FILE<77 |
[2] REFS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE <77 |
[3] RETURN TO MENU <77 |

<77 |
OPTION <&OPTION <77 |

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<77 |
<77 |
<77 |


--
-IF &OPTION EQ 2 GOTO AMV2A2;
-IF &OPTION EQ 1 GOTO AMV2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO AMV2
--
-AMV2A2
--
-CRTFORM LINE 1
-----------
SYS TYPE AND SUBTYPE SELECTION (PRO_TYP SEGMENT)
-----------

<77 |
TYPE <16 < &PRO_TYP <77 |
SUBTYPE <16 < &PRO_STYP <77 |

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<77 |


B-320-12
**TABLE FILE PROPULSN**
HEADING CENTER
"PROPULSN FILE SPECIFIC AMV DATABASE REFERENCES"

PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

-GOTO PAMV

**TABLE FILE PROPULSN**
HEADING CENTER
"ALL PROPULSN FILE AMV REFERENCES"

PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
END

-PAMV

-RUN
-GOTO AMV2

-LIT2

-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

1. ALL LIT REFS IN PROPULSN FILE
2. REFS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE
3. RETURN TO MENU

OPTION &OPTION


-IF &OPTION EQ 2 GOTO LIT2A2;
-IF &OPTION EQ 1 GOTO LIT2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO LIT2

-LIT2A2

-CRTFORM LINE 1
**REPORTING SYSTEM OPTIONS**

[1] OUTPUT OPTIONS  
[2] REPORT OPTIONS  
[3] EXIT PROGRAM

**OPTION --> &OPTION**

- IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE
--
-MAIN1
--
OFFLINE CLOSE
ONLINE
END
--
-CRTFORM LINE 1
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-"
[3] AMV REFERENCE REPORT
[4] LITERATURE REF REPORT
[5] REPORT DIRECTORY

OPTION -- > &OPTION

IF &OPTION EQ 1 GOTO MAIN2;
IF &OPTION EQ 2 GOTO HULL2;
IF &OPTION EQ 3 GOTO AMV2;
IF &OPTION EQ 4 GOTO LIT2;
IF &OPTION EQ 5 GOTO TOP;
GOTO TWO

MAIN2

** TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR FILE TYPES/SUBTYPES AND GENERAL COMMENTS"

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' SKIP-LINE OVER
PRO_COM1 AS 'COMM' OVER PRO_COM2 AS '' OVER PRO_COM3 & ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
END

RUN
GOTO TWO

HULL2

** CRTFORM LINE 1

--------
SYS DESIGN REP OPTIONS FOR PROPULSR FILE - OEB330
--------

OPTIONS LIST

[1] SYS DESIGN REPORT
[2] SYS DESCRIPTION REPORT
[3] SYS SPECIFICATIONS REPORT
[4] SHAFT SPECS REPORT
[5] RETURN TO MENU

OPTION -- > &OPTION

IF &OPTION EQ 1 GOTO HULL2A;
IF &OPTION EQ 2 GOTO HULL2B;
IF &OPTION EQ 3 GOTO HULL2C;
IF &OPTION EQ 4 GOTO HULL2D;
IF &OPTION EQ 5 GOTO TWO;
-GOTO HULL2

-HULL2A

-CRTFORM LINE 1

"PARTIAL OR FULL REPORT SELECTION OPTIONS"

"<77 |"

[1] ALL SYSTEMS IN PROPULSR FILE <77 |
[2] SYSTEMS ASSOCIATED WITH SPECIFIC PROPULSOR TYPE/SUBTYPE <77 |
[3] RETURN TO MENU <77 |

"OPTION<&OPTION <77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |


* -IF &OPTION EQ 2 GOTO HULL2A2;
-IF &OPTION EQ 1 GOTO HULL2A1;
-IF &OPTION EQ 3 GOTO HULL2;
-GOTO HULL2A

-HULL2A2

-CRTFORM LINE 1

"SYS TYPE AND SUBTYPE SELECTION (PROPULSR SEGMENT)"

"TYPE <16 < &PRO_TYP <77 |
"SUBTYPE <16 < &PRO_STYP <77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |
"<77 |


* TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR FILE SPECIFIC SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER MFR_COM1 AS 'COMM' OVER MFR_COM2 AS '' OVER MFR_COM3 AS '' BY MFR_ID NOPRINT

B-330-4
BY MFR NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
-**-GOTO P2A
-**-HULL2A1
-**
TABLE FILE PROPULSR
HEADING CENTER
"ALL PROPULSR FILE SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
""
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS '' OVER MFR_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
-**-P2A
-**-RUN
-GOTO HULL2A
-**-HULL2B
-**
-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL DESCRIPTIONS IN PROPULSR FILE <77]
[2] DESCRIPTION ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE <77]
[3] DESCRIPTION ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE AND MFR/MFR NO <77]
[4] RETURN TO MENU <77]

OPTION <&OPTION <77]


-IF &OPTION EQ 1 GOTO HULL2B1;
-IF &OPTION EQ 2 GOTO HULL2B2;
-IF &OPTION EQ 3 GOTO HULL2B3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2B
-**
-HULL2B1
-**
TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
""

B-330-5
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_TRAIN AS 'TRN' OVER PRO_MAT AS 'MAT' OVER PRO_VAR_PITCH AS 'VPCH'
OVER PRO_CNT_PITCH AS 'CPCH' OVER PRO_FULL_REV AS 'FREV' OVER
PRO_DUCTED AS 'DUCT' OVER PRO_TUNNEL AS 'TUNN' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS '' OVER PR_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

-GOTO P2B

-HULL2B3

-CRTFORM LINE 1

SYS TYPE/SUBTYPE SELECTION (PROSYS SEGMENT)

| <77 | " |
| TYPE | <16 < &PRO_TYP <77 | " |
| SUBTYPE | <16 < &PRO_STYP <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
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| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |

TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_TRAIN AS 'TRN' OVER PRO_MAT AS 'MAT' OVER PRO_VAR_PITCH AS 'VPCH'
OVER PRO_CNT_PITCH AS 'CPCH' OVER PRO_FULL_REV AS 'FREV' OVER
PRO_DUCTED AS 'DUCT' OVER PRO_TUNNEL AS 'TUNN' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS '' OVER PR_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

-GOTO P2B

-HULL2B3

-CRTFORM LINE 1

SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROSYS SEGMENT)

| <77 | " |
TABLE FILE PROPULSR

HEADING CENTER
"SPECIFIC PROPULSR FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'MFR NO' SKIP-LINE OVER
PRO_TRAIN AS 'TRN' OVER PRO_MAT AS 'MAT' OVER PRO_VAR PITCH AS 'VPCH'
OVER PRO_CNT PITCH AS 'CPCH' OVER PRO_FULL_REV AS 'FREV' OVER
PRODUCTED AS 'DUCT' OVER PRO_TUNNEL AS 'TUNN' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS '' OVER PR_COM3 AS ''
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

-**
-P2B
-**
-RUN
-GOTO HULL2B
-**
-HULL2C
-**
-CRTFORM LINE 1

<table>
<thead>
<tr>
<th>PARTIAL OR FULL REPORT SELECTION OPTIONS</th>
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<tr>
<td>&lt;77</td>
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<td>[2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC &lt;77</td>
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<td>SYS TYPE/SUBTYPE &lt;77</td>
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<tr>
<td>[3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC &lt;77</td>
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<tr>
<td>SYS TYPE/SUBTYPE AND MFR/MFR NO &lt;77</td>
</tr>
<tr>
<td>[4] RETURN TO MENU &lt;77</td>
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</tbody>
</table>

| <77 | OPTION <&OPTION <77 |

| <77 | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |

-IF &OPTION EQ 1 GOTO HULL2C1;

B-330-7
TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_DIA AS 'DIA' OVER PRO_WEIGHT AS 'WT' OVER PRO_PITCH MX AS 'MPCH'
OVER PRO_NO_BLDS AS 'NBLD' OVER PRO_AREA_RAT AS 'ARAT' OVER
SPEC_COMP AS 'COMM' OVER SPEC_COMP2 AS '' OVER SPEC_COMP3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

-GOTO P2C

-CRTFORM LINE 1

------------------------------------------------------------------------------------------------
"SYS TYPE/SUBTYPE SELECTION (PROSYS SEGMENT)"

" | "
" | <77 | "
" TYPE <16 < &PRO_TYP <77 | "
" SUBTYPE <16 < &PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

" | "

TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_DIA AS 'DIA' OVER PRO_WEIGHT AS 'WT' OVER PRO_PITCH MX AS 'MPCH'
OVER PRO_NO_BLDS AS 'NBLD' OVER PRO_AREA_RAT AS 'ARAT' OVER
SPEC_COMP AS 'COMM' OVER SPEC_COMP2 AS '' OVER SPEC_COMP3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

*
-GOTO P2C
-**
-HULL2C3
-**
-CRTFORM LINE 1
-**

SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROSYS SEGMENT)
-**

| <77 | " TYPE <16 < &PRO_TYP <77 | " |
| <77 | " SUBTYPE <16 < &PRO_STYP <77 | " |
| <77 | " MFR <16 < &MFR_ID <77 | " |
| <77 | " MFR NO <16 < &MFR_NO <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |


TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
"
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_DIA AS 'DIA' OVER PRO_WEIGHT AS 'WT' OVER PRO_PITCH_MAX AS 'MPCH'
OVER PRO_NO_BLD AS 'NBLD' OVER PRO_AREA_RAT AS 'ARAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS ' ' OVER SPEC_COM3 AS ' ';
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
-**
-P2C
-**
-RUN
-GOTO HULL2C
-**
-HULL2D
-**
-CRTFORM LINE 1
-**

PARTIAL OR FULL REPORT SELECTION OPTIONS
-**

| <77 | " |
| <77 | " [1] ALL SHAFT SPECIFICATIONS IN FILE <77 | " |
| <77 | " [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | " |
| <77 | " SYS TYPE/SUBTYPE <77 | " |
| <77 | " [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | " |
| <77 | " SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | " |
| <77 | " [4] RETURN TO MENU <77 | " |
| <77 | " |
| <77 | " |
| <77 | " |

OPTION <&OPTION <77 | "

B-330-9
-" | <77 |
-" | <77 |
-" | <77 |
-"

[tab] next field, [return] take action, [pf3] quit

-IF &OPTION EQ 1 GOTO HULL2D1;
-IF &OPTION EQ 2 GOTO HULL2D2;
-IF &OPTION EQ 3 GOTO HULL2D3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2D
*-
-HULL2D1
*-
-TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR SHAFT SPECIFICATIONS AND GENERAL COMMENTS"
"
PRINT PRO_TYP AS 'TYPE' OVER PRO STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUN' SKIP-LINE OVER
SH ANGL AS 'ANGL' OVER SH MAT AS 'MAT' OVER SH OD AS 'OD' OVER
SH ID AS 'ID' OVER SH SMOD AS 'SMOD' OVER
SH COM1 AS 'COMM' OVER SH COM2 AS ' ' OVER SH COM3 AS ' ' OVER
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
*-GOTO P2D
*-
-HULL2D2
*-
-CRTFORM LINE 1
*-

SYS TYPE/SUBTYPE SELECTION (PROSYS SEGMENT)
*-
-" | <77 |
-" | <16 < &PRO_TYP <77 |
-" | <16 < &PRO_STYP <77 |
-" | <77 |
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-" | <77 |
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-" | <77 |
-" | <77 |
-"

[TAB] next field, [return] take action, [PF3] quit

- *
TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR SHAFT SPECIFICATIONS AND GENERAL COMMENTS"
"
PRINT PRO_TYP AS 'TYPE' OVER PRO STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUN' SKIP-LINE OVER
SH ANGL AS 'ANGL' OVER SH MAT AS 'MAT' OVER SH OD AS 'OD' OVER

B-330-10
SH_ID AS 'ID' OVER SH_SMOD AS 'SMOD' OVER
SH_COM1 AS 'COMM' OVER SH_COM2 AS '' OVER SH_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
-
-GOTO P2D
-
-HULL2C3
-
-CRTFORM LINE 1
-
<table>
<thead>
<tr>
<th>SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROSYS SEGMENT)</th>
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</tbody>
</table>
TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR SHAFT SPECIFICATIONS AND GENERAL COMMENTS"
|
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'MFR' SKIP-LINE OVER
SH ANGL AS 'ANGL' OVER SH MAT AS 'MAT' OVER SH OD AS 'OD' OVER
SH ID AS 'ID' OVER SH SMOD AS 'SMOD' OVER
SH_COM1 AS 'COMM' OVER SH_COM2 AS '' OVER SH_COM3 AS ''
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
-
-P2D
-
-RUN
-GOTO HULL2D
-
-AMV2
-
-CRTFORM LINE 1
-
<table>
<thead>
<tr>
<th>PARTIAL OR FULL REPORT SELECTION OPTIONS</th>
</tr>
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<tbody>
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</tbody>
</table>

B-330-11
SYS TYPE, SUBTYPE

RETURN TO MENU

OPTION <&OPTION <77 |"


-IF &OPTION EQ 2 GOTO AMV2A2;
-IF &OPTION EQ 1 GOTO AMV2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO AMV2

-CRTFORM LINE 1

SYS TYPE AND SUBTYPE SELECTION (PROTYP SEGMENT)

-TABLE FILE PROPULSR
       HEADING CENTER
       "PROPULSR FILE SPECIFIC AMV DATABASE REFERENCES"
       PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'
       SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
       IF PRO_TYP IS &PRO_TYP
       IF PRO_STYP IS &PRO_STYP
       END

-GOTO PAMV

-AMV2A1

TABLE FILE PROPULSR
       HEADING CENTER
       "ALL PROPULSR FILE AMV REFERENCES"
       PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'

B-330-12
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
END

- PAMV
- RUN
- GOTO AMV2

**-LIT2
**-CRTFORM LINE 1

**PARTIAL OR FULL REPORT SELECTION OPTIONS**

"|<77 |"
[1] ALL LIT REFS IN PROPULSR FILE
[2] REFS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE
[3] RETURN TO MENU

'|<77 |

OPTION <&OPTION <|77 |

|--TAB| NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT|

**-IF &OPTION EQ 2 GOTO LIT2A2;
-IF &OPTION EQ 1 GOTO LIT2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO LIT2

**-LIT2A2

**-CRTFORM LINE 1

**SYS TYPE AND SUBTYPE SELECTION (PROSYS SEGMENT)**

"|<77 |"
TYPE <16 < &PRO_TYP <77 |
SUBTYPE <16 < &PRO_STYP <77 |

'|<77 |

|--TAB| NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT|

**-**
REPORTING SYSTEM OPTIONS

[1] OUTPUT OPTIONS
[2] REPORT OPTIONS
[3] EXIT PROGRAM

OPTION --> <&OPTION


IF &OPTION EQ 1 GOTO ONE;
IF &OPTION EQ 2 GOTO TWO;
IF &OPTION EQ 3 GOTO THREE;
GOTO TOP

ONE

REPORT OUTPUT OPTIONS MENU

OPTIONS LIST

[1] DIRECT OUTPUT TO CRT
[2] DIRECT OUTPUT TO PRT
[3] REPORT DIRECTORY

OPTION --> <&OPTION


IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE
--
-MAIN1
-*
OFFLINE CLOSE
ONLINE
END
-*
-CRTFORM LINE 1
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-""
TABLE FILE WGTHANNDL
HEADING CENTER
"WGTHANNDL FILE TYPES/SUBTYPES AND GENERAL COMMENTS"
""
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' SKIP-LINE OVER
WT_COM1 AS 'COMM' OVER WT_COM2 AS '' OVER WT_COM3 AS ''
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
END
-
-IF &OPTION EQ 1 GOTO MAIN2;
-IF &OPTION EQ 2 GOTO HULL2;
-IF &OPTION EQ 3 GOTO AMV2;
-IF &OPTION EQ 4 GOTO LIT2;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO TWO
-
-MAIN2
-
-TABLE FILE WGTHANNDL
HEADING CENTER
"WGTHANNDL FILE TYPES/SUBTYPES AND GENERAL COMMENTS"
""
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' SKIP-LINE OVER
WT_COM1 AS 'COMM' OVER WT_COM2 AS '' OVER WT_COM3 AS ''
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
END
-
-IF &OPTION EQ 1 GOTO MAIN2;
-IF &OPTION EQ 2 GOTO HULL2;
-IF &OPTION EQ 3 GOTO AMV2;
-IF &OPTION EQ 4 GOTO LIT2;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO TWO
-
-HULL2
-
-CRTFORM LINE 1

SYS DESIGN REP OPTIONS FOR WGTHANNDL FILE - OEB340

OPTIONS LIST

[1] SYS DESIGN REPORT
[2] SYS DESCRIPTION REPORT
[3] SYS SPECIFICATIONS REPORT
[4] RETURN TO MENU

OPTION --> <&OPTION


-IF &OPTION EQ 1 GOTO HULL2A;
-IF &OPTION EQ 2 GOTO HULL2B;
-IF &OPTION EQ 3 GOTO HULL2C;
-IF &OPTION EQ 4 GOTO TWO;
-GOTO HULL2

B-340-3
- HULL2A
- *- CRTFORM LINE 1
- *
- PARTIAL OR FULL REPORT SELECTION OPTIONS
- *
- <77 | "
- [1] ALL SYSTEMS IN WGHANDL FILE <77 | "
- [2] SYSTEMS ASSOCIATED WITH SPECIFIC WT HANDLING TYPE/SUBTYPE <77 | "
- [3] RETURN TO MENU <77 | "
- <77 | "
- OPTION <&OPTION <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- *
- IF &OPTION EQ 2 GOTO HULL2A2;
- IF &OPTION EQ 1 GOTO HULL2A1;
- IF &OPTION EQ 3 GOTO HULL2;
- GOTO HULL2A
- *
- HULL2A2
- *
- CRTFORM LINE 1
- *
- SYS TYPE AND SUBTYPE SELECTION (WTSYS SEGMENT) "
- *
- <77 | "
- TYPE <16 <&WT_TYP <77 | "
- SUBTYPE <16 <&WT_STYP <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- *
- TABLE FILE WGHANDL
- HEADING CENTER "WGHANDL FILE SPECIFIC SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
- PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' ' BY MFR_ID NOPRINT BY MFR_NO NOPRINT

B-340-4
IF WTTYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
END
-**
-GOTO P2A
-**
-HULL2A
-**
TABLE FILE WGTANDL
HEADING CENTER
"ALL WGTANDL FILE SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
""
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS '' OVER MFR_COM3 AS ''
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
-**
P2A
-**
RUN
-GOTO HULL2A
-**
-HULL2B
-**
-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

<table>
<thead>
<tr>
<th>&lt;77</th>
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<tr>
<td>[1] ALL DESCRIPTIONS IN WGTANDL FILE</td>
<td>&lt;77</td>
</tr>
<tr>
<td>[2] DESCRIPTION ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE</td>
<td>&lt;77</td>
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<tr>
<td>[3] DESCRIPTION ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE AND MFR/MFR NO</td>
<td>&lt;77</td>
</tr>
<tr>
<td>[4] RETURN TO MENU</td>
<td>&lt;77</td>
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</table>

OPTION <&OPTION <77 |

[|TAB| NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |

-**
-IF &OPTION EQ 1 GOTO HULL2B1;
-IF &OPTION EQ 2 GOTO HULL2B2;
-IF &OPTION EQ 3 GOTO HULL2B3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2B
-**
-HULL2B1
-**
TABLE FILE WGTANDL
HEADING CENTER
"WGTANDL FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
""
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER

B-340-5
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
WT PRFN AS 'PRFN' OVER WT PWR TYP AS 'PWR' OVER WT DYN POS AS 'DPOS'
OVER DESC COM1 AS 'COMM' OVER DESC COM2 AS '' OVER DESC COM3 AS ''
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
BY MFR ID NOPRINT
BY MFR NO NOPRINT
END
-
-GOTO P2B
-
-HULL2B2
-
-CRTFORM LINE 1
-----------------------------
| SYS TYPE/SUBTYPE SELECTION (WTSYS SEGMENT) |
-------------------------------
| |<77 | |
| TYPE <16 <&WT_TYP <77 | |
| SUBTYPE <16 <&WT_STYP <77 | |
|<77 | |
|<77 | |
|<77 | |
|<77 | |
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-----------------------------

* TABLE FILE WGTANDLE
HEADING CENTER
"SPECIFIC WGTANDLE FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
"
PRINT WT TYP AS 'TYPE' OVER WT STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
WT PRFN AS 'PRFN' OVER WT PWR TYP AS 'PWR' OVER WT DYN POS AS 'DPOS'
OVER DESC COM1 AS 'COMM' OVER DESC COM2 AS '' OVER DESC COM3 AS ''
BY WT TYP NOPRINT
BY MFR NO NOPRINT
IF WT TYP IS &WT_TYP
IF WT STYP IS &WT_STYP
END
-
-GOTO P2B
-
-HULL2B3
-
-CRTFORM LINE 1
-----------------------------
| SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (WTSYS SEGMENT) |
-----------------------------------
| |<77 | |
| TYPE <16 <&WT_TYP <77 | |
| SUBTYPE <16 <&WT_STYP <77 | |
|<77 | |
|<77 | |
|<77 | |
|<77 | |
|<77 | |
|<77 | |

B-340-6
TABLE FILE WGTANDL
HEADING CENTER
"SPECIFIC WGTANDL FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
WT_PRF_N AS 'PRFN' OVER WT_PWR_TYP AS 'PWR' OVER WT_DYN_POS AS 'DPOS'
OVER DESC_COM1 AS 'COMM' OVER DESC_COM2 AS ' ' OVER DESC_COM3 AS ' '
IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
P2B
RUN
-GOTO HULL2B
-HULL2C
-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

<77 |
[1] ALL SPECIFICATIONS IN WGTANDL FILE
<77 |
[2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC
   SYS TYPE/SUBTYPE
<77 |
[3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC
   SYS TYPE/SUBTYPE AND MFR/MFR NO
<77 |
[4] RETURN TO MENU
<77 |

<77 |
OPTION &OPTION <77 |

<77 |
<77 |
<77 |
<77 |
<77 |

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<th>Type/Subtype Selection (WT_SYS Segment)</th>
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<td>( TYPE \quad &lt;16 \quad &amp;_WT_TYP \quad &lt;77 \quad</td>
</tr>
<tr>
<td>( SUBTYPE \quad &lt;16 \quad &amp;_WT_STYP \quad &lt;77 \quad</td>
</tr>
</tbody>
</table>


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TABLE FILE WGTANDL
HEADING CENTER
"SPECIFIC WGTANDL FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"

PRINT WT TYP AS 'TYPE' OVER WT STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
WT REACH AS 'RCH' OVER WT CAP AS 'CAP' OVER WT WEIGHT AS 'WT' OVER
WT VEL AS 'VEL' OVER WT MOM AS 'MOM' OVER WT VOL AS 'VOL' OVER
WT COST AS 'COST' OVER
SPEC COM1 AS 'COMM' OVER SPEC COM2 AS '' OVER SPEC COM3 AS ''
BY WT TYP NOPRINT
BY WT STYP NOPRINT
BY MFR ID NOPRINT
BY MFR NO NOPRINT
END

-GOTO P2C

-HULL2C3

-CRTFORM LINE 1
SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (WTSYS SEGMENT)

TYPE <16 < &WT_TYP <77 |
SUBTYPE <16 < &WT_STYP <77 |
MFR <16 < &MFR_ID <77 |
MFR NO <16 < &MFR_NO <77 |


TABLE FILE WGTHANDL
HEADING CENTER
"SPECIFIC WGTHANDL FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"

PRINT WT TYP AS 'TYPE' OVER WT STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
WT REACH AS 'RCH' OVER WT CAP AS 'CAP' OVER WT WEIGHT AS 'WT' OVER
WT VEL AS 'VEL' OVER WT MOM AS 'MOM' OVER WT VOL AS 'VOL' OVER
WT COST AS 'COST' OVER
SPEC COM1 AS 'COMM' OVER SPEC COM2 AS '' OVER SPEC COM3 AS ''
IF WT TYP IS &WT_TYP
IF WT STYP IS &WT_STYP
IF MFR ID IS &MFR_ID
IF MFR NO IS &MFR_NO
END

-P2C

-RUN
-GOTO HULL2C

-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

1. ALL AMV REFS IN WGTHANDL FILE
2. REFS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE
3. RETURN TO MENU

OPTION <6 OPTION <77 |

B-340-9
-"|
-IF &OPTION EQ 2 GOTO AMV2A2;
-IF &OPTION EQ 1 GOTO AMV2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO AMV2
-"
-AMV2A2
-"
-CRTFORM LINE 1
-"
-"| SYS TYPE AND SUBTYPE SELECTION (WTSYS SEGMENT) |
-"|
-"| TYPE <16 < &WT TYP <77 |"
-"| SUBTYPE <16 < &WT STYP <77 |"
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-"|
-TABLE FILE WGTHANDL
-HEADING CENTER
-WGTHANDL FILE SPECIFIC AMV DATABASE REFERENCES"
-"
-PRINT WT TYP AS 'TYPE' WT STYP AS 'STYP'
-SHIP ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
-IF WT TYP IS &WT TYP
-IF WT STYP IS &WT STYP
-END
-"
-GOTO PAMV
-"
-AMV2A1
-"
-TABLE FILE WGTHANDL
-HEADING CENTER
-ALL WGTHANDL FILE AMV REFERENCES"
-"
-PRINT WT TYP AS 'TYPE' WT STYP AS 'STYP'
-SHIP ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
-BY WT TYP NOPRINT
-BY WT STYP NOPRINT
-END
-"
-PAMV
-"
-RUN
-GOTO AMV2
-"
-LIT2
-"
PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL LIT REFS IN WGTANDL FILE <77 |
[2] REFS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE <77 |
[3] RETURN TO MENU <77 |

OPTION <&OPTION <77 |

TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

* *

SYSTYPE AND SUBTYPE SELECTION (MAIN SEGMENT)

TYPE <16 < &WT_TYP <77 |
SUBTYPE <16 < &WT_STYP <77 |
<TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

* *

TABLE FILE WGTANDL
HEADING CENTER
"WGTANDL FILE SPECIFIC LITERATURE REFERENCES"

PRINT WT_TYP AS 'TYPE' WT_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
END

-GOTO P лит
-LIT2A1
- *
TABLE FILE WGTHANDL
HEADING CENTER
"ALL WGTHANDL FILE LITERATURE REFERENCES"
" ",
PRINT WT_TYP AS 'TYPE' WT_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
END
-
-plit
-*
-GOTO LIT2
-*
-THREE
-*
OFFLINE CLOSE
ONLINE
EX OEB300
END
-*
-RUN
-GOTO TOP
**VESSAUTO FILE REPORTING SYSTEM - OEB350**

*DESIGNED FOR: USCG R&D CENTER, OCEAN ENGINEERING BRANCH*

*DESIGNED BY: M. J. STEVENS (VTC)*

*DATE LAST REV: 5/05/87*

**TOP**
- DEFAULTS &OPTION=0, &VS_TYP=$$$$, &VS_STYP=$$$, &MFR_ID=$$,
- DEFAULTS &MFR_NO=$$$$$$$
- CRTFORM LINE 1

**VESSAUTO FILE REPORTING SYSTEM - OEB350**

REPORTING SYSTEM OPTIONS

[1] OUTPUT OPTIONS
[2] REPORT OPTIONS
[3] EXIT PROGRAM

OPTION --> &OPTION


- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- GOTO TOP
- ONE

-CRTFORM LINE 1

REPORT OUTPUT OPTIONS MENU

OPTIONS LIST

[1] DIRECT OUTPUT TO CRT
[2] DIRECT OUTPUT TO PRT
[3] REPORT DIRECTORY

OPTION --> &OPTION


- IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE
-
-MAIN1
-
OFFLINE CLOSE
ONLINE
END
-
-CRTFORM LINE 1
-
---| ALL REPORTS WILL OUTPUT TO SCREEN |
---

PRESS RETURN TO CONTINUE <<&OPTION "

---| ALL REPORTS WILL OUTPUT TO PRINTER |
---

PRESS RETURN TO CONTINUE <<&OPTION "

---

-TWO
---

-CRTFORM LINE 1
---

----------| WGTANDL FILE REPORT OPTIONS - OEB350 |
----------

OPTIONS LIST

[1] MAIN SEGMENT REPORT
[2] SYS SEGMENT REPORTS

B-350-2
**AMV REFERENCE REPORT**

**LITERATURE REF REPORT**

**REPORT DIRECTORY**

**REPORT DIRECTORY**

**OPTION --> <&OPTION**

```
<TAB> NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
```

```
-IF &OPTION EQ 1 GOTO MAIN2;
-IF &OPTION EQ 2 GOTO HULL2;
-IF &OPTION EQ 3 GOTO AMV2;
-IF &OPTION EQ 4 GOTO LIT2;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO TWO
```

**MAIN2**

```
TABLE FILE VESSAUTO
HEADING CENTER "VESSAUTO FILE TYPES/SUBTYPES AND GENERAL COMMENTS"
""
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' SKIP-LINE OVER
VS COM1 AS 'COMM' OVER VS COM2 AS '' OVER VS COM3 AS ''
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
END
```

**HULL2**

```
-CRTFORM LINE 1
```

**SYS DESIGN REP OPTIONS FOR VESSAUTO FILE - OEB350**

```
OPTIONS LIST
```

```
[1] SYS DESIGN REPORT
[2] SYS DESCRIPTION REPORT
[3] SYS SPECIFICATIONS REPORT
[4] RETURN TO MENU
```

```
OPTION --> <&OPTION
```

```
<TAB> NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
```

```
-IF &OPTION EQ 1 GOTO HULL2A;
-IF &OPTION EQ 2 GOTO HULL2B;
-IF &OPTION EQ 3 GOTO HULL2C;
-IF &OPTION EQ 4 GOTO TWO;
-GOTO HULL2
```

B-350-3
HULL2A

-CRTFORM LINE 1

<table>
<thead>
<tr>
<th>PARTIAL OR FULL REPORT SELECTION OPTIONS</th>
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<tbody>
<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>[1] ALL SYSTEMS IN VESSAUTO FILE &lt;77</td>
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<tr>
<td>[2] SYSTEMS ASSOCIATED WITH SPECIFIC &lt;77</td>
</tr>
<tr>
<td>AUTOMATION TYPE/SUBTYPE &lt;77</td>
</tr>
<tr>
<td>[3] RETURN TO MENU &lt;77</td>
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<td>&lt;77</td>
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</tbody>
</table>

-IF &OPTION EQ 2 GOTO HULL2A2;
-IF &OPTION EQ 1 GOTO HULL2A1;
-IF &OPTION EQ 3 GOTO HULL2;
-GOTO HULL2A

-HULL2A2

-CRTFORM LINE 1

<table>
<thead>
<tr>
<th>SYS TYPE AND SUBTYPE SELECTION (VASYS SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
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<tr>
<td>TYPE &lt;16 &lt; &amp;VS_TYP &lt;77</td>
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<tr>
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<td>&lt;77</td>
</tr>
</tbody>
</table>

-TABLE FILE VESSAUTO

HEADING CENTER
"VESSAUTO FILE SPECIFIC SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-Line OVER
MFR COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY MFR ID NOPRINT
BY MFR_NO NOPRINT

B-350-4
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
END

-GOTO P2A

-HULL2A1

-TABLE FILE VESSAUTO
-HEADING CENTER
"ALL VESSAUTO FILE SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
-PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMI' OVER MFR_COM2 AS '' OVER MFR_COM3 AS ''
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

-P2A

-RUN
-GOTO HULL2A

-HULL2B

-CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL DESCRIPTIONS IN VESSAUTO FILE
[2] DESCRIPTION ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE
[3] DESCRIPTION ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE AND MFR/MFR NO
[4] RETURN TO MENU

OPTION <&OPTION <77 |

[77 ]
[77 ]
[77 ]
[77 ]
[77 ]


-IF &OPTION EQ 1 GOTO HULL2B1;
-IF &OPTION EQ 2 GOTO HULL2B2;
-IF &OPTION EQ 3 GOTO HULL2B3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2B

-HULL2B1

-TABLE FILE VESSAUTO
-HEADING CENTER
"VESSAUTO FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
-PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER

B-350-5
TABLE FILE VESSAUTO

HEADING CENTER
"SPECIFIC VESSAUTO FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
VA_FN AS 'VAFN' OVER VA_IN1 AS 'IN1' OVER VA_IN2 AS 'IN2' OVER
VA_IN3 AS 'IN3' OVER VA_OUT1 AS 'OUT1' OVER VA_OUT2 AS 'OUT2' OVER
VA_OUT3 AS 'OUT3'
OVER VA_COM1 AS 'COMM' OVER VA_COM2 AS '' OVER VA_COM3 AS ''
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

-GOTO P2B

-HULL2B2

-CRTFORM LINE 1

<table>
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<tr>
<th>SYS TYPE/SUBTYPE SELECTION (VASYS SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<tr>
<td></td>
</tr>
</tbody>
</table>


TABLE FILE VESSAUTO

HEADING CENTER
"SPECIFIC VESSAUTO FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
VA_FN AS 'VAFN' OVER VA_IN1 AS 'IN1' OVER VA_IN2 AS 'IN2' OVER
VA_IN3 AS 'IN3' OVER VA_OUT1 AS 'OUT1' OVER VA_OUT2 AS 'OUT2' OVER
VA_OUT3 AS 'OUT3'
OVER VA_COM1 AS 'COMM' OVER VA_COM2 AS '' OVER VA_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
END

-GOTO P2B

-HULL2B3

-CRTFORM LINE 1

<table>
<thead>
<tr>
<th>SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (VASYS SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
TABLE FILE VESSAUTO
HEADINGS CENTER
"SPECIFIC VESSAUTO FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
VA FN AS 'VAFN' OVER VA_IN1 AS 'IN1' OVER VA_IN2 AS 'IN2' OVER
VA_IN3 AS 'IN3' OVER VA_OUT1 AS 'OUT1' OVER VA_OUT2 AS 'OUT2' OVER
VA_OUT3 AS 'OUT3'
OVER VA_COM1 AS 'COMM' OVER VA_COM2 AS '' OVER VA_COM3 AS ''
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

P2B
RUN
GOTO HULL2B
*
HULL2C
*
CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL SPECIFICATIONS IN VESSAUTO FILE
[2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE
[3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE AND MFR/MFR NO
[4] RETURN TO MENU

OPTION <&OPTION

IF &OPTION EQ 1 GOTO HULL2C1;
IF &OPTION EQ 2 GOTO HULL2C2;
-IF &OPTION EQ 3 GOTO HULL2C3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2C
**
-HULL2C1
**
TABLE FILE VESSAUTO
HEADING CENTER
"VESSAUTO FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
**
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
VA_COST AS 'COST' OVER VA_EFF_RAT AS 'ERAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS ' ' OVER SPEC_COM3 AS ' '
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
**
-GOTO P2C
**
-HULL2C2
**
-CRTFORM LINE 1
**
<table>
<thead>
<tr>
<th>SYS TYPE/SUBTYPE SELECTION (VASYS SEGMENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;77</td>
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<td>&lt;77</td>
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<tr>
<td>&lt;77</td>
</tr>
<tr>
<td>(TAB) NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT</td>
</tr>
</tbody>
</table>
**
-TABLE FILE VESSAUTO
HEADING CENTER
"SPECIFIC VESSAUTO FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
**
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
VA_COST AS 'COST' OVER VA_EFF_RAT AS 'ERAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS ' ' OVER SPEC_COM3 AS ' '
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
END
**
-GOTO P2C
**
-HULL2C3

B-350-8
CRTFORM LINE 1

SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (VASYS SEGMENT)

| <77 | TYPE <16 &VS_TYP <77 |
| <77 | SUBTYPE <16 &VS_SUB <77 |
| <77 | MFR <16 &MFR_ID <77 |
| <77 | MFR NO <16 &MFR_NO <77 |


TABLE FILE VESSAUTO
HEADING CENTER
"SPECIFIC VESSAUTO FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"

PRINT VS_TYP AS 'TYPE' OVER VS_SUBT AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
VA COST AS 'COST' OVER VA EFF_RAT AS 'ERAT' OVER
SPEC COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
IF VS_TYP IS &VS_TYP
IF VS_SUBT IS &VS_SUBT
IF MFR ID IS &MFR_ID
IF MFR NO IS &MFR_NO
END
- P2C
- *
- RUN
- GOTO HULL2C
- *
- AMV2
  * CRTFORM LINE 1

PARTIAL OR FULL REPORT SELECTION OPTIONS

| <77 | |
| 1 | ALL AMV REFS IN VESSAUTO FILE <77 |
| 2 | REFS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE <77 |
| 3 | RETURN TO MENU <77 |
| <77 | OPTION <&OPTION <77 |
| <77 | |
| <77 | |
| <77 | |
| <77 | |
| <77 | |

B-350-9
-IF &OPTION EO 2 GOTO AMV2A2;
-IF &OPTION EQ 1 GOTO AMV2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO AMV2
-
-AMV2A2
-*
-CRTFORM LINE 1
-"---------------------------------------------" | "
-"| SYS TYPE AND SUBTYPE SELECTION (VASYS SEGMENT) | "
-"| <77 | "
-"| TYPE <16 < &VS_TYP <77 | "
-"| SUBTYPE <16 < &VS_STYP <77 | "
-"| <77 | "
-"| <77 | "
-"| <77 | "
-"| <77 | "
-"| <77 | "
-"| <77 | "
-"| <77 | "
-"| <77 | "
-"| <77 | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-"| " | "
-" | "---------------------------------------------" | "
-"| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
-"*
-TABLE FILE VESSAUTO
-HEADING CENTER
-"VESSAUTO FILE SPECIFIC AMV DATABASE REFERENCES"
-""
-PRINT VS_TYP AS 'TYPE' VS STYP AS 'STYP'
-SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
-IF VS_TYP IS &VS_TYP
-IF VS_STYP IS &VS_STYP NOPRINT
-PRINT VS_TYP IS &VS_TYP
-PRINT VS_STYP IS &VS_STYP NOPRINT
-END
-*
-GOTO PAMV
-*
-AMV2A1
-*
-TABLE FILE VESSAUTO
-HEADING CENTER
-"ALL VESSAUTO FILE AMV REFERENCES"
-""
-PRINT VS_TYP AS 'TYPE' VS STYP AS 'STYP'
-SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
-BY VS_TYP NOPRINT
-BY VS_STYP NOPRINT
-END
-*
-PAMV
-*
-RUN
-GOTO AMV2
-*
-LIT2
-*
PARTIAL OR FULL REPORT SELECTION OPTIONS

[1] ALL LIT REFS IN VESSAUTO FILE <77
[2] REFS ASSOCIATED WITH SPECIFIC SYS TYPE/SUBTYPE <77
[3] RETURN TO MENU <77

OPTION <&OPTION <77


-IF &OPTION EQ 2 GOTO LIT2A2;
-IF &OPTION EQ 1 GOTO LIT2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO LIT2

SYS TYPE AND SUBTYPE SELECTION (MAIN SEGMENT)


TABLE FILE VESSAUTO
HEADING CENTER
"VESSAUTO FILE SPECIFIC LITERATURE REFERENCES"
PRINT VS_TYP AS 'TYPE' VS_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
END
-GOTO PLIT

B-350-11
TABLE FILE VESSAUTO
HEADING CENTER
"ALL VESSAUTO FILE LITERATURE REFERENCES"
""
PRINT VS_TYP AS 'TYPE' VS_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
END
"*
*-PLIT
*-
-RUN
-GOTO LIT2
*-
*THREE
*-
OFFLINE CLOSE
ONLINE
EX OEB300
END
*-
-RUN
-GOTO TOP
MFRREF FILE REPORTING SYSTEM - OEB360

DEIGNED FOR : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
DEIGNED BY : M. J. STEVENS (VTC)
DATE LAST REV : 5/05/87

- TOP
- DEFAULTS &OPTION=0, &MFR ID= $$$
- CRTFORM LINE 1

REPORTING SYSTEM OPTIONS

[1] OUTPUT OPTIONS
[2] REPORT OPTIONS
[3] EXIT PROGRAM

OPTION --> &OPTION

<T77 | "
<T77 | "
<T77 | "


- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- GOTO TOP
- ONE
- CRTFORM LINE 1

REPORT OUTPUT OPTIONS MENU

OPTIONS LIST

[1] DIRECT OUTPUT TO CRT
[2] DIRECT OUTPUT TO PRT
[3] REPORT DIRECTORY

OPTION --> &OPTION

<T77 | "
<T77 | "


- IF &OPTION EQ 1 GOTO MAIN1;

B-360-1
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE
-
-MAIN1
-*
OFFLINE CLOSE
ONLINE
END
-*
-CRTFORM LINE 1

| ALL REPORTS WILL OUTPUT TO SCREEN |
-------------------------------

PRESS RETURN TO CONTINUE <&OPTION |

-*
-RUN
-GOTO ONE
-*
-HULL1
-*
OFFLINE
END
-*
-CRTFORM LINE 1

| ALL REPORTS WILL OUTPUT TO PRINTER |
-------------------------------

PRESS RETURN TO CONTINUE <&OPTION |

-*
-RUN
-GOTO ONE
-*

-----------------------------

-TWO
-------------------------------

-CRTFORM LINE 1

MFRREF FILE REPORT OPTIONS - OEB360

OPTIONS LIST

[1] ALL MANUFACTURERS BY ID
[2] ALL MANUFACTURERS BY NAME

B-360-2
SPECIFIC MANUFACTURER
REPORT DIRECTORY

OPTION --> &OPTION


- IF &OPTION EQ 1 GOTO MAIN2;
- IF &OPTION EQ 2 GOTO HULL2;
- IF &OPTION EQ 3 GOTO AMV2;
- IF &OPTION EQ 4 GOTO TOP;
- GOTO TWO

MAIN2

TABLE FILE MFRREF
HEADING CENTER
"MFRREF FILE MASTER LISTING"

PRINT MFR_ID AS 'ID' SKIP-LINE OVER MFR_NAME AS 'NAME' OVER MFR_ADD1 AS 'ADD1'
OVER MFR_ADD2 AS 'ADD2' OVER MFR_ADD3 AS 'ADD3' OVER MFR_PHONE
AS 'PHNE' OVER MFR_REP AS 'REP'
BY MFR_ID NOPRINT
END

RUN
GOTO TWO

HULL2

TABLE FILE MFRREF
HEADING CENTER
"MFRREF FILE MASTER LISTING"

PRINT MFR_ID AS 'ID' OVER MFR_NAME AS 'NAME' OVER MFR_ADD1 AS 'ADD1'
OVER MFR_ADD2 AS 'ADD2' OVER MFR_ADD3 AS 'ADD3' OVER MFR_PHONE
AS 'PHNE' OVER MFR_REP AS 'REP'
BY MFR_NAME NOPRINT
END

RUN
GOTO TWO

AMV2

CRTFORM LINE 1

MFR SELECTION

<77 | " <16 < &MFR_ID <77 | "

B-360-3
TABLE FILE MFRREF
HEADING CENTER
"MFRREF FILE MASTER LISTING"

PRINT MFR ID AS 'ID' OVER MFR NAME AS 'NAME' OVER MFR ADD1 AS 'ADD1'
OVER MFR ADD2 AS 'ADD2' OVER MFR ADD3 AS 'ADD3' OVER MFR PHONE
AS 'PHNE' OVER MFR REP AS 'REP'
IF MFR ID IS &MFR_ID
END

-RUN
-GOTO TWO

-THREE

-OFFLINE CLOSE
-ONLINE
-EX OEB300
-END

-RUN
-GOTO TOP
**OEBREF FILE REPORTING SYSTEM - OEB370**

*DESIGNED FOR*: USCG R&D CENTER, OCEAN ENGINEERING BRANCH

*DESIGNED BY*: M. J. STEVENS (VTC)

*DATE LAST REV*: 5/05/87

---

**REPORTING SYSTEM OPTIONS**

1. OUTPUT OPTIONS
2. REPORT OPTIONS
3. EXIT PROGRAM

OPTION --> &OPTION

---


---

-IF &OPTION EQ 1 GOTO ONE;
-IF &OPTION EQ 2 GOTO TWO;
-IF &OPTION EQ 3 GOTO THREE;
-GOTO TOP

---

**ONE**

---

**REPORT OUTPUT OPTIONS MENU**

OPTIONS LIST

1. DIRECT OUTPUT TO CRT
2. DIRECT OUTPUT TO PRT
3. REPORT DIRECTORY

OPTION --> &OPTION

---


---

-IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;

---

B-370-1
-I: &OPTION EQ 3 GOTO TOP;
-GOTO ONE
-*
-MAIN1
-*
OFFLINE CLOSE
ONLINE
END
-*
-CRTFORM LINE 1
""""""""""""""""""""""""""""
-PRESS RETURN TO CONTINUE <&OPTION "

| ALL REPORTS WILL OUTPUT TO SCREEN |

-CRTFORM LINE 1
""""""""""""""""""""""""""""
-PRESS RETURN TO CONTINUE <&OPTION "

-CRTFORM LINE 1
""""""""""""""""""""""""""""
-PRESS RETURN TO CONTINUE <&OPTION "

-*
-RUN
-GOTO ONE
-*
-HULL1
-*
OFFLINE
END
-*
-CRTFORM LINE 1
""""""""""""""""""""""""""""

| ALL REPORTS WILL OUTPUT TO PRINTER |

-*
-RUN
-GOTO ONE
-*

-TWO
-*
-CRTFORM LINE 1
""""""""""""""""""""""""""""

WGETHANDL FILE REPORT OPTIONS - OEB350

OPTIONS LIST

1] REFS BY REF NUMBER
2] REFS BY REF TITLE
3] REFS BY AUTHOR(S)
### Option 4: Refs by Keyword

```
OPTION --&gt; &OPTION

&lt;77 |"
```

### Option 5: Specific Ref Abstract

### Option 6: Report Directory

```
```

---

```
-IF &OPTION EQ 1 GOTO MAIN2;
-IF &OPTION EQ 2 GOTO HULL2;
-IF &OPTION EQ 3 GOTO AMV2;
-IF &OPTION EQ 4 GOTO LIT2;
-IF &OPTION EQ 5 GOTO ABS2;
-IF &OPTION EQ 6 GOTO TOP;
-GOTO TWO

-TABLE FILE OEBREF
  HEADING CENTER
  "OEBREF FILE LISTING BY REFERENCE NUMBERS"
  ""
  PRINT REF NUM AS 'NUMBER' SKIP-LINE OVER REF TITLE AS 'TITLE' OVER
  REF SOURCE AS 'SOURCE' OVER REF REP NO AS 'REP NO' OVER REF JN_VOL AS
  'JN_VOL' OVER REF PUB DT AS 'PUB DT'
  BY REF NUM NOPRINT
  END
  
  -RUN
  -GOTO TWO

-HULL2

-TABLE FILE OEBREF
  HEADING CENTER
  "OEBREF FILE LISTING BY TITLES"
  ""
  PRINT REF NUM AS 'NUMBER' SKIP-LINE OVER REF TITLE AS 'TITLE' OVER
  REF SOURCE AS 'SOURCE' OVER REF REP NO AS 'REP NO' OVER REF JN_VOL AS
  'JN_VOL' OVER REF PUB DT AS 'PUB DT'
  BY REF TITLE NOPRINT
  END
  
  -RUN
  -GOTO TWO

-AMV2

-TABLE FILE OEBREF
  HEADING CENTER
  "OEBREF FILE LISTING BY AUTHORS"
  ""
  PRINT REF NUM AS 'NUMBER' SKIP-LINE OVER REF TITLE AS 'TITLE' OVER
  REF SOURCE AS 'SOURCE' OVER REF REP NO AS 'REP NO' OVER REF JN_VOL AS
  'JN_VOL' OVER REF PUB DT AS 'PUB DT' OVER AUTH LN AS 'L NAME' OVER
  AUTH FN AS 'F NAME' OVER AUTH MI AS 'M INIT'
  BY AUTH LN NOPRINT
  BY AUTH FN NOPRINT
  BY AUTH MI NOPRINT
  END
```

---

B-370-3
**STATE TABLE**

**OEBREF**

**FILE**

**REFERENCES BY KEYWORD**

PRINT KEY WORD AS 'KEYWORD' SKIP-LINE OVER REF_TITLE AS 'TITLE' OVER
REF_NUM AS 'REF NUM'
BY REF_NUM NOPRINT
IF KEY_WORD IS &KEY_WORD
END

**TABLE**

**FILE**

**OEBREF**

**HEADING CENTER**

"OEBREF FILE REFERENCES BY KEYWORD"

**REFERENCE SELECTION FOR ABSTRACT DISPLAY**

TABLE FILE OEBREF
HEADING
"OEBREF FILE REFERENCE <REF_NUM> ABSTRACT"
"TITLE : <REF_TITLE> "
" "
"*PRINT REFNUM AS 'REF NUM' OVER REF TITLE AS 'TITLE' OVER
PRINT ABST TEXT AS 'ABSTRACT'
IF REFNUM IS &REFNUM
END
"*
"*RUN
"*GOTO TWO
"*
"*THREE
"*
OFFLINE CLOSE
ONLINE
EX OEB300
END
"*
"*RUN
"*GOTO TOP
APPENDIX C
AMV SYSTEM DOCUMENTATION

C-1
<table>
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<tr>
<th>Section</th>
<th>File Name</th>
<th>Page</th>
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<td>AMVDB Design</td>
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<td>3.1</td>
<td>File SHIPS</td>
<td>C5</td>
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<td>File HULLMFGS</td>
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1.0 Introduction

The Marine Systems Branch of the U.S. Coast Guard Research & Development Center is in the process of developing a SHIPS database as part of the Advanced Marine Vehicles project. The design for the database has essentially been completed and efforts are underway to award a contract for the development and implementation of the application in the near future.

This appendix provides available documentation on the design to date provided by the Marine Systems branch. Following a "schematic" of the system are the AMVDB file structure diagrams and Master File Descriptions.
FILE=SHIPS, SUFFIX=FOC

| SEGNAME=SHIPSINFO, PARENT=SHIPS, SEGTYPE=U |

| FIELD=SHIPCLASS, SCLASS, A12, VESSEL CLASS USE CODES (EG. WPB) |
| FIELD=SH рук CLASS, SCLASS, A12, VESSEL CLASS USE CODES (EG. POINT) |
| FIELD=LENGTH_OA, LOA, F6.1, OVERALL LENGTH (FEET) |
| FIELD=LENGTH_BP, LBP, F6.1, LENGTH BETWEEN PERPENDICULARS (FEET) |
| FIELD=LENGTH_WL, LWH, F6.1, LENGTH AT WATERLINE FULL DISPLACEMENT (FEET) |
| FIELD=MAX_BEM, BEAM, F4.1, MOLDED AT DECK (FEET) |
| FIELD=DEPTH, D, F4.1, MOLDED TO MAIN DECK, DEPTH AMIDSHIPS (FT) |
| FIELD=MIN_FREE_BD, MINFB, F4.1, MINIMUM FREEBOARD (FEET) |
| FIELD=MIN_FB_LOC, MINFBLOC, A25, MINIMUM FREEBOARD LOCATION DESCRIPTION (EG. TRANSOM) |
| FIELD=HULL_DRAFT, H_DRAFT, F3.1, HULL DRAFT DIM FULL DISPLACEMENT LOWEST TANGENT TO MAIN HULL TO DWL (FEET) |
| FIELD=NAV_DRAFT, N_DRAFT, F3.1, NAVIGATIONAL DRAFT WITH FIXED APPENDAGES (FEET) |
| FIELD=UNDW_DRAFT, U_DRAFT, F3.1, UN DRAFT ON CUSHION OR FOILS IF APPL. |
| FIELD=BR_EYE_HT, RHOE, 12, BRIDGE HEIGHT OF EYE NORMAL ABOVE WATERLINE (FEET) |
| FIELD=LIB_EYE_HT, LKHOE, 13, LOOKOUT HEIGHT OF EYE ABOVE WATERLINE (FEET) |
| FIELD=MAX_HEIGHT, MAX_AHN, F3, MAXIMUM ABOVE WATER HEIGHT OF STRUCTURE (FEET) |
| FIELD=SPRINT_SPEED, SMSPEED, F3.1, SPRINT SPEED (KNOTS) |
| FIELD=SPRINT_DUR, SPDURATION, F5.2, MAX SPRINT DURATION (HOURS) |
| FIELD=MAX_SPEED, MS, F3.1, MAX SUSTAINED SPEED (KTS) [ELT INTERSECT] |
| FIELD=RNG_MAX_SPD, RSP, A3, RANGE AT MAX SUSTAINED SPEED (NM) |
| FIELD=CRUISE_SPEED, CRUSPEED, F3.1, NOMINAL CRUISE SPEED (KTS) [SEARCH SPEED USED IN SAR & ELT MODELS] |
| FIELD=RNG_CRU_SP, RCUS, 15, RANGE AT CRUISE SPEED (NM) |
| FIELD=ECON_SPEED, ECON, F3.1, BEST ECONOMICAL SPEED (KTS) [TRANSIT SPEED USED IN ELT MODE] |
| FIELD=BES_NUMENG, BESEPBN, 11, NUMBER OF ENGINES USED AT BEST ECONOMIC SPEED |
| FIELD=RNG_ECON_SPD, RBE, 15, RANGE AT BEST ECONOMICAL SPEED (NM) |
| FIELD=MINSPEED, MNSPEED, F3.1, MINIMUM SPEED (KNOTS) |
| FIELD=RF_TIME_DOCK, RFID, F4.1, REFUEL TIME AT DOCK (HOURS) [ELT MODE] |
| FIELD=RF_TIME_UN, RFUN, F4.1, REFUEL TIME WHEN UNDERWAY (HOURS) [ELT MODE] |
| FIELD=UNREP, A1, UNDER WAY REPLACEMENT (Y/N) |
FIELD=DECK,STOR,DECKSTOR,15, $ DECK STORAGE (CUBIC FEET)
FIELD=FUEL, 17, $ TOTAL FUEL CAPACITY 100% (GALLONS)
FIELD=LUBE, LUBE, 14, $ TOTAL LUBE OIL (GAL)
FIELD=WATER, WATER, 15, $ TOTAL FRESH WATER CAPACITY (GAL)
FIELD=WATER, WATER, 15, $ TOTAL FRESH WATER PRODUCTION (GAL/DAY)
FIELD=HOUSE, HOUSE, 15, $ HOUSE MATERIAL
FIELD=MAK, MAN, 15, $ MAINTENANCE MATERIAL
FIELD=NOM, NUM, 14, $ NUMBER OF WATER TIGHT COMPARTMENT GROUPS
FIELD=FR, FR, 4, $ TYPE OF FRAMING (USE CODES LONG OR TRAN)
FIELD=FR, FR, 4, $ FRAME SPACING (FEET)
FIELD=DECK, DECK, 14, $ USEABLE DECK AREA (FT $ 2)
FIELD=PROV, DAYS, 13, $ MAX DAYS PROVISIONS FOR NOMINAL CREW COMP
FIELD=NOM, NUM, 14, $ NOMINAL CREW COMPLEMENT (CASHMARS MODEL)
FIELD=W, CREW, 14, $ WARTIME CREW COMPLEMENT
FIELD=PASS, NUM, 16, $ NOMINAL PASSENGER CAPACITY
FIELD=MPOB, MPOB, 14, $ MAXIMUM SAFE # PEOPLE ON BOARD
FIELD=MPOB, MPOB, 14, $ REFERENCE FOR MAXIMUM SAFE # PEOPLE ON BOARD (E.G. CG PASSENGER REGS. CFR 46)

$ SEGNAME=FUNCTION, PARENT=SHIPS, SEGTYPE=51
FIELD=FUNCTION, MISSION, 15, $ MISSIONS OR APPLICATIONS USE CODES
FIELD=FUNCTION, MISSION, 15, $ % OF VESSEL USE IN MISSION AREA

$ SEGNAME=CREW, PARENT=SHIPS, SEGTYPE=51
FIELD=CREW, CODE, CREWCODE, 15, $ CODE IDENTIFYING CREW MEMBER
FIELD=CREW, CREW, 13, $ NUMBER OF CREW MEMBERS WITHIN CODE

$ SEGNAME=HEL0, PARENT=SHIPS, SEGTYPE=U
FIELD=HEL0, NUM, HELONUM, 11, $ MAXIMUM NUMBER OF HELICOPTERS ON DECK
FIELD=HEL0, DECK, DECKSTOR, 14, $ MAXIMUM WEIGHT ON HEL DECK (LBS)
FIELD=HEL0, FUEL, HELOFUEL, 15, $ MAX HELO FUEL STORAGE ON BOARD 100% (GAL)
FIELD=HANGER, HANGER, 13, $ HELO HANGER (Y/N)
FIELD=HANGER, HANGER, 13, $ HANGER DESCRIPTION

$ SEGNAME=RADI0, PARENT=SHIPS, SEGTYPE=51
FIELD=RADIO, CODE, RADIOCODE, 15, $ CODE FOR THE TYPE OF RADIO
FIELD=RADIO, NUM, RADIONUM, 11, $ NUMBER OF RADIOS OF THAT TYPE
FIELD=RADIO, FUNC, RADIOFUN, 10, $ FUNCTION OF RADIOS OF THAT TYPE
FIELD=SEC, SECURE, SECURCODE, 11, $ ANY SECURE COMMUNICATIONS OF THAT TYPE RADIO (Y/N)

$ SEGNAME=RADAR, PARENT=SHIPS, SEGTYPE=51
FIELD=RADAR, FUNC, RADARFUN, 15, $ CODE FOR FUNCTION OF RADAR
FIELD=RADAR, MANU, RADARMAN, 14, $ RADAR MANUFACTURER COMPANY NAME
FIELD=RADAR, NUM, RADARNUM, 11, $ RADAR IDENTIFICATION NUMBER
FIELD=RADAR, DECK, DECKSTOR, 14, $ NUMBER OF RADAR OF THAT TYPE ON BOARD
FIELD=RADAR, HT, RADARHT, 14, $ HEIGHT OF RADAR ABOVE WL (FEET)
FIELD=RADAR, RNG, RADARRNG, 14, $ RANGE OF RADAR (NM)

$ SEGNAME=B00M, PARENT=SHIPS, SEGTYPE=51
FIELD=BOOM, ID, BOOMID, 14, $ CONSECUTIVE BOOM ID NUMBER
FIELD=BOOM, TYPE, BOOMTYPE, 13, $ CODE FOR TYPE OF BOOM
FIELD=BOOM, REACH, BOOMREACH, 16, $ BOOM MAX REACH ( FEET FROM BASE)
FIELD=BOOM, CAP, BOOMCAP, 15, $ BOOM CAPACITY (LBS) AT MAX REACH
FIELD=BOOM, LOC, BOOMLOC, 15, $ BOOM LOCATION (E.G. DECK, DISTANCE FROM AMIDSHIPS AND CENTERLINE)
FIELD=BOOM, FUNCTION, BOOMFUN, 25, $ FUNCTION OF BOOM (E.G. SMALL BOAT DEPLOYMENT)
$ SIGNAME=SMBOATS, PARENT=SHIPS, SEGTYPE=S1
FIELD=SM BOAT_CODE, SRCODE, A4, $ SMALL BOAT CODE [RMI, INF, MSB, MLB, LAU, UTB, SKF, MCR]
FIELD=SM BOAT_LEN, SBLEN, F3.2, $ SMALL BOAT LENGTH (FEET)
FIELD=SM BOAT_PSLB, SPBPSL, A3, $ MAX CAPACITY OF PEOPLE ON BOARD
FIELD=SM BOAT_MAX, SMSS, I2, $ MAX SPEED IN CALM WATER (KTS)
FIELD=SM BOAT_BES, SBBES, I2, $ MAX SUSTAINED SPEED (KTS)
FIELD=SM BOAT_RANGE, SB RANGE, F4.1, $ MAX RANGE AT BEST ECONOMICAL SPEED (KMP)
FIELD=SB BOAT_TIME, SBM, A4, $ MIN TIME TO DEPLOY SMALL BOAT (SECONDS)
FIELD=SB FUEL_TYPE, SBFUETYP, A6, $ TYPE OF FUEL USE CODE (GAS, DIESEL)
FIELD=SB FUEL_CAP, SB FUEL CAP, F6.1, $ MAXIMUM FUEL CAPACITY 100% (GAL)

$ SIGNAME=LOADCOND, PARENT=SHIPS, SEGTYPE=S1
FIELD=DISPLACEMENT, DISPL, F7.1, $ DISPLACEMENT (LONG TONS)
FIELD=DISPL TYPE, DDISTYPE, A8, $ DISPLACEMENT USE CODES [LIGHT, MEDIUM, STANDARD, FULL]
FIELD=KG, F5.2, $ VERTICAL CG (FEET)
FIELD=KB, F5.2, $ VERTICAL CB (FEET)
FIELD=GM, F5.2, $ MEGEOCENTRIC HEIGHT (FEET)
FIELD=LCG, F6.2, $ LONGITUDINAL CG REF MIDSHIPS - AFT (Ft)
FIELD=LCB, F6.2, $ LONGITUDINAL CB REF MIDSHIPS - AFT (Ft)
FIELD=MAX RIGHT ARM, MAX RA, F4.1, $ MAXIMUM RIGHTING ARM (FEET)
FIELD=ANG_DOWN_FL, ANG DF, F4.1, $ ANGLE OF DOWN FLOODING (DEG)

$ SIGNAME=REFERENCES, PARENT=SHIPS, SEGTYPE=S1
FIELD=REFERENCE_NUM, RENUM, A4, $ UNIQUE REFERENCE NUMBER POINTS TO SOURCE
FIELD=REFERENCE NOTE, REFNOTE, A3B, $ NOTE ABOUT REFERENCE (EG. MORE DETAIL ON DESIGN OF VESSEL)

$ SIGNAME=WEIGHTS, PARENT=SHIPS, SEGTYPE=S1
FIELD=SUBS_CODE, SUBSCO, A3, $ CODE FOR SHIP WEIGHT BREAKDOWN STRUCTURE
FIELD=SUBS WT, SUBSWT, F7.1, $ WEIGHT IN (LT) WITHIN SUBS CODE
FIELD=MARGIN, SUBSM, F3.2, $ MARGIN % FOR THIS SUBS WEIGHT
FIELD=SUBS_QUAL, SUBSO, A6, $ QUALITY OF INFORMATION USE CODE (ACTUAL, ESTIMA)

$ SIGNAME=RUDERS, PARENT=SHIPS, SEGTYPE=S1
FIELD=RUDER_ID, RUDNUM, A1, $ CONSECUTIVE ID NUMBERS
FIELD=RUDER_LOC, RUDLOC, A15, $ LOCATION OF RUDER
FIELD=RUDER_TYPE, RUDTYP, A10, $ TYPE OF RUDER (USE CODES)
FIELD=R MAX ANGLE, RUDANG, I2, $ MAXIMUM RUDER ANGLE (DEG)
FIELD=R SURF AREA, RDSURF, A4, $ RUDER SURFACE AREA (SQ FT)
FIELD=RASPECT RA, RASPECT, F5.2, $ RUDER ASPECT RATIO
FIELD=RUDER_COM, RUDERCOM, A25, $ RUDER COMMENT
$~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
M U L L M F G S
$~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

THIS IS THE MASTER FILE DESCRIPTION FOR THE FILE WHICH CONTAINS THE
HULL MANUFACTURER INFORMATION. THIS FILE CAN BE USED AS A CROSS-
REFERENCE FILE TO THE SHIPS FILE (SHIPS.FOC) THROUGH THE USE OF
THE HULL.MFG.VALUE.

$~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
FILE=MULLMFGS, SUFFIX=FOC
$SIGNNAME=MULLMFG, SEXTYPE=SI
FIELD=MULL.MFG, MULLMFG, A25, INDEX=I, $ HULL MANUFACTURER NAME
FIELD=MFG_ADDR1, MFGADDR1, A25, $ HULL MFG'S ADDRESS1
FIELD=MFG_ADDR2, MFGADDR2, A25, $ HULL MFG'S ADDRESS2
FIELD=MFG_ADDR3, MFGADDR3, A25, $ HULL MFG'S COUNTRY
FIELD=MFG_REP, MFGREP, A25, $ HULL MFG'S REPRESENTATIVE
FIELD=MFG_PHONE, MFGPHONE, A20, $ HULL MFG'S PHONE NUMBER
$~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
FILE=HULLS, SUFFIX=FOC

**MASTER FILE DESCRIPTION**

The five-digit field (SHIP ID) ensures that the ship hull is uniquely identified. Each ship has a specific hull identification code. This information is crucial for tracking and referencing purposes. Theulls file field is referenced through the hull type field.

FILE=HULLS, SUFFIX=FOC

**FIELD DESCRIPTIONS**

- **FIELD=SHIP_ID:** The ship identification number.
- **FIELD=HULL_SHAPE:** The hull shape code.
- **FIELD=BOAT_TYPE:** The boat type code.
- **FIELD=ICE_BOW:** Indicates if the ship has an ice-breaking bow.
- **FIELD=BOAT_COMPL:** Comments about the boat.
- **FIELD=BOAT_SHAPE:** Shape of the boat.
- **FIELD=DEADRISE_ANGLE:** Deadrise angle of the boat.
- **FIELD=DEADRISE_ANGLE:** Deadrise angle of the machine.

**SEGMENT=ROLL_CTL, PARENT=HULLS, SUFFIX=U**

- **FIELD=RCS_DESC:** Roll control system description.
- **FIELD=RCS_CONFIG:** Configuration of the Roll Control System.

**SEGMENT=ACV_SKT, PARENT=HULLS, SUFFIX=U**

- **FIELD=SKIRT_CONFIG:** Configuration of the skirt.
- **FIELD=SKIRT_MATERIAL:** Material of the skirt.
- **FIELD=SKIRT_HEIGHT:** Height of the skirt.
- **FIELD=SKIRT_CLEAR:** Skirt clearance (feet).

**SEGMENT=FOR_SEAL, PARENT=HULLS, SUFFIX=U**

- **FIELD=FORWARD_SEAL:** Forward seal type.
- **FIELD=FORWARD_MATERIAL:** Material of the forward seal.
- **FIELD=AFTE_SEAL:** After seal type.
- **FIELD=AFTE_MATERIAL:** Material of the after seal.

**SEGMENT=ACVSES, SUFFIX=U**

- **FIELD=ON_CUSH_DRAFT:** On cushion draft.
- **FIELD=WET_DECK_CLEARANCE:** Wet deck clearance forward.

**LAST REVISED: 6-29-87**

**NOTICE:** The data provided is accurate as of the last revision date. Please verify any specific requirements before implementation.

**I.** This file contains comprehensive information regarding ships, including hull shapes, boat types, and additional details for each ship. It serves as a crucial reference for various maritime applications.

**II.** The file includes detailed configurations for Roll Control Systems (RCS) and various seal types. These details are essential for ensuring the proper functioning and safety of ships.

**III.** The file also provides information on materials and height specifications, which are critical for the construction and maintenance of ships.

**IV.** The file includes data on cushion draft and wet deck clearances, which are essential for navigation and safety purposes.

**V.** This file is continuously updated to reflect the latest technological advancements and safety requirements in the maritime industry.
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FILE=POWERPLNT, SUFFIX=FOC
SEGNAME=PLNTINFO, SEGTYPE=51
  FIELD=PP_MODEL_NUM, PPMODELNUM, A20, # POWER PLANT MODEL NUMBER
  FIELD=PP_TYPE, PPTYPE, A18, # POWER PLANT TYPE (USE CODES)
  FIELD=PP_MANUFACT, PPMFG, A30, # POWER PLANT MANUFACTURER
  FIELD=PP_FUEL, PPFUEL, A10, # POWER PLANT FUEL TYPE (USE CODES)
  FIELD=PP_VOLUME, PPVOL, F7.1, # VOLUME OF PLANT (FT^3)
  FIELD=PP_WEIGHT, PPPWT, 15, # WEIGHT OF PLANT (LBS)
  FIELD=PP_LENGTH, PPLEN, F4.1, # LENGTH OF PLANT (FEET)
  FIELD=PP_WIDTH, PPWIDTH, F4.1, # WIDTH OF PLANT (FEET)
  FIELD=PP_HEIGHT, PPHHEIGHT, F4.1, # HEIGHT OF PLANT (FEET)
  FIELD=PP_COMMENT, PPCOMMENT, A78, # POWER PLANT COMMENT (EG. HIGH SPEED, TWO STROKE, 12 CYLINDERS)

SEGNAME=HP, PARENT=PLNTINFO, SEGTYPE=52
  FIELD=PP_HPTYPE, PPHTYPE, A10, # TYPE OF HP IE. BHP, SHP...
  FIELD=PP_SFC, PPSSFC, F4.2, # SPECIFIC FUEL CONSUMPTION AT THIS POWER LEVEL (L/H/HP-HOUR)
  FIELD=PP_HP, PPHP, 15, # POWER PLANT HORSEPOWER
  FIELD=PP_RPM, PPPRPM, A5, # POWER PLANT RPM AT RATED HP
  FIELD=HP_COMMENT, PPCHCOMMENT, A40, # COMMENT ON HP CONVENTION OR NUMBERS

SEGNAME=SHIP_ID, PARENT=PLNTINFO, SEGTYPE=52
  FIELD=SHIP_ID, SHPID, A4, INDEX=1, # SHIP ID NUMBER MANY SHIPS CAN HAVE THE SAME ENGINE
  FIELD=PP_NUM, PPNUM, 11, # NUMBER OF POWER PLANT UNITS ON SHIP
  FIELD=PPP_FUNC, PPFFUNC, A10, # POWER PLANT PRIMARY FUNCTION (USE CODES)
    - PROPULSION
    - AUXILIARY
    - GENERATOR
    - THRUSTER
    - LIFT_FAN
    - DECK_EQUIP

  FIELD=PPP_FUNC_COMMENT, PPPFCOMMENT, A78, # POWER PLANT PRIMARY FUNCTION COMMENT
  FIELD=PPS_FUNC, PPSSFUNC, A10, # POWER PLANT SECONDARY FUNCTION (USE CODES AS LISTED FOR PRIME)
  FIELD=PPS_FUNC_COMMENT, PPSSCOMMENT, A78, # POWER PLANT SECONDARY FUNCTION COMMENT

SEGNAME=DRIVE, PARENT=SHIP_ID, SEGTYPE=51
  FIELD=DRIVEMODELNUM, DPMODELNUM, A20, # DRIVE MODEL NUMBER
  FIELD=DRIVE_TYPE, DTYPE, A12, # DRIVE TYPE IE. GEAR BELT 2 OUT
  FIELD=DRIVE_COM, DCOMMENT, A78, # DRIVE COMMENT
  FIELD=RED_RATIO, REDRATIO, F4.2, # REDUCTION RATIO
  FIELD=DREVMFG, DPMFG, A30, # DRIVE MANUFACTURER
  FIELD=REV, A1, # REVERSING (Y/N)
  FIELD=DRIVEWEIGHT, DRIVeweight, 15, # DRIVE WEIGHT (LBS)
SEGNAME=HYDRAUL, PARENT=SHIP_ID, SEGTYPE=S1
FIELD=HYDRAULIC MODEL NUMBER, MODELNUM, A20.
FIELD=HYDRAULIC TYPE, HYDTYP, A12.
FIELD=HYDRAULIC UNIT, HU, A7B.
FIELD=HYDRAULIC FACTORY, HMF, A30.
FIELD=HYDRAULIC MANUFACTURER, HM, A7B.
FIELD=HYDRAULIC WEIGHT, HYDWT, I5.
FIELD=HYDRAULIC CAPACITY, HVACAP, F5.1.
FIELD=HYDRAULIC PRESSURE, HPRESSURE, F6.1.

SEGNAME=ELECTRIC, PARENT=SHIP_ID, SEGTYPE=S1
FIELD=ELECTRIC MODEL NUMBER, EMODELNUM, A20.
FIELD=ELECTRIC UNIT, EUNIT, A12.
FIELD=ELECTRIC FACTORY, EMFG, A30.
FIELD=ELECTRIC MANUFACTURER, EM, A7B.
FIELD=ELECTRIC OUTPUT, EMOUT, F6.1.
FIELD=ELECTRIC CURRENT, EMAMP, F5.1.
FIELD=ELECTRIC A/D, EMACDC, A2.
FIELD=ELECTRIC VOLT, EMVOLTS, I3.
FIELD=ELECTRIC PHASE, EM, A1.
FIELD=ELECTRIC UNIT, EMU, A15.

SEGNAME=PROPULS, PARENT=SHIP_ID, SEGTYPE=S1
FIELD=PROPULS TYPE, PROPSTYP, A15.
FIELD=PROPULS MODEL NUMBER, PNUM, A20.
FIELD=PROPULS FACTORY, PF, A30.
FIELD=PROPULS MANUFACTURER, PM, A7B.
FIELD=PROPULS LOCATION, PLOC, A30.
FIELD=PROPULS PERFORMANCE, PPERF, A7B.

SEGNAME=SPOOL, PARENT=PROPULS, SEGTYPE=S1
FIELD=PROPULS TYPE, PROPSTYP, A15.
FIELD=PROPULS FACTORY, PF, A30.
FIELD=PROPULS MANUFACTURER, PM, A7B.
FIELD=PROPULS MATER, PMATER, A15.
FIELD=PROPULS WEIGHT, PWT, I5.
FIELD=PROPULS DIAM, PDIAM, F5.1.
FIELD=PROPULS LENGTH, PLEN, F5.1.
FIELD=PROPULS DUCTED, PDUCT, A1.
FIELD=PROPULS TUNNEL, PPTUNNEL, A1.

SEGNAME=SHAFT, PARENT=PROPULS, SEGTYPE=S1
FIELD=SHAFT ANGLE, SHANGL, F5.1.
FIELD=SHAFT MATER, SHMATER, A15.
FIELD=SHAFT OD, SHOD, F5.1.
FIELD SHAFT IO, SH IO, F4.1, $ SHAFT INSIDE DIAMETER (IN)
FIELD SHAFT MD, SM, A8, $ SHAFT SHEAR MODULUS (PSI)
FIELD SHAFT CURR, N, A7B, $ SHAFT CURRENT

NAME FAN, PARENT FAN, SEGTYPE 1
FIELD FAN TYPE, FAN TYPE, A2B, $ FAN TYPE IE. VANE AXIAL, CENTRIFUGAL
FIELD FAN MODEL, FAN MODEL, A2B, $ FAN MODEL NUMBER
FIELD FAN WEIGHT, FAN WT, I5, $ FAN WEIGHT (LBS)
FIELD FAN NUM, FAN NUM, 11, $ NUMBER OF FANS PER PRIME MOVER
FIELD FAN BLADES, FAN BLADES, 12, $ NUMBER OF FAN BLADES PER UNIT
FIELD FAN CONFIG, FAN CONFIG, A1B, $ FAN CONFIGURATION SERIAL PARALLEL
FIELD PRESSURE, PRESS RISE, F4.2, $ FAN PRESSURE RISE (PSI)
FIELD FAN CURRENT, FAN CURRENT, A7B, $ FAN CURRENT

NAME JET, PARENT PROPULS, SEGTYPE 1
FIELD JET TYPE, JET TYPE, A11, $ JET TYPE IE. AXIAL, MIXED, CENTRIFUGAL
FIELD JET MODEL, JET MODEL, A2B, $ JET MODEL NUMBER
FIELD JET MFG, JET MFG, A3B, $ JET MANUFACTURER
FIELD JET DIAM, JET DIAM, F4.1, $ JET OPENING DIAMETER
FIELD JET STAGE, JET STAGE, A1, $ NUMBER OF STAGES
FIELD JET WEIGHT, JET WT, I5, $ JET WEIGHT, WT (LBS)
FIELD JET THRUST, JET THRUST, 16, $ JET STATIC THRUST (LBS)
FIELD JET EFF, JET EFF, F3.2, $ JET THRUST EFFICIENCY (PERCENT)
FIELD JET FLOW RATE, JET FLOW RATE, F4.3, $ JET FLOW RATE (FT3/SEC)
FIELD JET HEAD, JET HEAD, F4.1, $ JET INLET TOTAL HEAD (FT)
FIELD JET CURRENT, JET CURRENT, A7B, $ JET CURRENT
SURVEY OF TECHNOLOGY WITH POSSIBLE APPLICATIONS TO
UNITED STATES COAST GUARD RESEARCH AND
DEVELOPMENT CENTER GROTON CT S ALLEN ET AL. SEP 67
UNCLASSIFIED CG-D-86-88-VOL-3
4/4
WEAPONS

This is the master file description for the file which contains the weapons-related information. This file can be used as a cross-reference file to the ships file (SHIPS.FOC) through the ship_id value.

FILE=WEAPONS, SUFFIX=FOC
SEGNAMES=WEAPONS, SEGTYPE=51
  FIELD=SHIP_ID, SHIPID, A4, INDEX=1,0 REFERENCE SHIP ID NUMBER
  FIELD=SONAR_TYPE, SONARTYPE, A4, # SONAR TYPE
  FIELD=COMMAND_CON, COMMONCON, A78, # COMMAND AND CON DESCRIPTION
  FIELD=INTERROGATE, INTER, A78, # IPP PASSIVE OR ACTIVE & DESCRIPTION
  FIELD=DEGAUSING, DEGAUS, A1, # VESSEL HAVE DEGAUSING (Y/N)
  FIELD=MINE_Sweep, MINE_SWEEP, A1, # VESSEL HAVE MINE SWEEP (Y/N) CAPABILITY

SEGNAMES=FIRECON, SEGTYPE=51
  FIELD=fire_con_type, fctype, ab, # USE CODES (LARGECAL, TORPEDOS OR MISSILES)
  FIELD=fire_con_oes, fcoes, A78, # FIRE CONTROL SYSTEM DESCRIPTION
  FIELD=FC_WEIGHT, FCWT, 15, # FIRE CONTROL SYSTEM WEIGHT (LBS)
  FIELD=FC_HEIGHT, FCHT, F5.1, # HEIGHT OF FC SYSTEM ABOVE KEEL
  FIELD=FC_VOLUME, FCVL, 15, # VOLUME OF FC SYSTEM (FT³)

SEGNAMES=SMARMS, PARENT=WEAPONS, SEGTYPE=51
  FIELD=sm_arms_type, SARMSTYPE, A8, # SMALL ARMS CODE
  FIELD=sm_arms_num, SARMSONUM, 13, # NUMBER OF SMALL ARMS WEAPONS OF THIS CODE
  FIELD=sm_arms_ros, SAROUNDS, 17, # NUMBER OF ROUNDS OF AND FOR ALL SMALL ARMS OF THIS CODE

SEGNAMES=LGUNS, PARENT=FIRECON, SEGTYPE=51
  FIELD=lg_cal_type, LGCALTYPE, AB, # LARGE CALIBER GUNS CODE
  FIELD=lg_cal_mon, LGCALMER, F5.1, # LARGE CALIBER MAXIMUM EFFECTIVE RANGE (YARDS)
  FIELD=lg_cal_num, LGCALNUM, 12, # NUMBER OF LG CALIBER GUNS
  FIELD=lg_cal_wt, LGCALWT, 15, # WEIGHT OF EACH LBS INCL Amd
  FIELD=lg_cal_ros, LGCALROS, 15, # NUMBER OF LARGE CAL ROUNDS
  FIELD=lg_cal_vol, LGCALVOL, 15, # VOLUME (FT³) INCL Amd

SEGNAMES=TORPEDOS, PARENT=FIRECON, SEGTYPE=51
  FIELD=torpedo_type, TORPEDO_TYPE, AB, # TORPEDO TYPE (USE CODE)
  FIELD=torpedo_fun, TORPEDOFUN, AB, # TORPEDO FUNCTION (USE CODE)
  FIELD=torpedo_max, TORPEDOMAX, F5.1, # TORPEDO MAXIMUM EFFECTIVE RANGE (YARDS)
  FIELD=torpedo_num, TORMAXNUMBER, 12, # NUMBER OF TORPEDOS
  FIELD=torpedo_wt, TORPEDOUT, 16, # WEIGHT OF EACH LBS
  FIELD=torpedo_vol, TORPEDOVL, 13, # VOLUME FT³

SEGNAMES=MISSELS, PARENT=FIRECON, SEGTYPE=51
  FIELD=missile_type, MISSILETYPE, AB, # MISSILE TYPE (USE CODE)
  FIELD=missile_fun, MISSILEFUN, AB, # MISSILE FUNCTION (USE CODE)
  FIELD=missile_max, MISSILEMAX, F5.1, # MISSILE MAXIMUM EFFECTIVE RANGE (YARDS)
  FIELD=missile_num, MISSILENUM, 12, # NUMBER OF MISSILES
  FIELD=missile_wt, MISSILEWT, 16, # WEIGHT OF EACH LBS
  FIELD=missile_vol, MISSILEVL, 16, # VOLUME FT³
**MAINREF**

THIS IS THE MASTER FILE DESCRIPTION FOR THE 'MAIN' REFERENCE FILE
WHICH WILL BE USED TO CROSS-REFERENCE TO THE SHIPS FILE. THIS FILE,
in turn, will also be used as the 'HOST' TO CROSS-REFERENCING TO THE
'TEST' REFERENCE FILE (TESTREF.FOC). THE REFERENCE 'LOCATION' FILE
(REFLOC.FOC) AND THE REFERENCE 'EXPERT' FILE (REFEXPT.FOC).

TESTREF-- DESCRIPTION OF TEST, LOCATION, TIME & TEST DIRECTORS
LOCATION-- PHYSICAL LOCATION OF TEST LOGS, REPORTS & DISK DATA
EXPERT-- PERSON OR MODEL WHICH ORIGINATED REFERENCED DATA

FILE=MAINREF, SUFFIX=FDC
SEGNAME=REFNUMS, SECTYPE=S1
FIELD=REFER_NUM, REFNUM, 4, INDEX=1, $ REFERENCE NUMBER

SEGNAME=RPTINFO, PARENT=REFNUMS, SECTYPE=U
FIELD=TITLE, TITLE, A76, $ REPORT TITLE
FIELD=AUTHOR, AUTH, A28, $ REPORT AUTHOR
FIELD=CO_AUTHOR, CO_AUTHOR, A28, $ REPORT CO AUTHOR
FIELD=PUBL_NAME, PUBL_NAME, A25, $ PUBLISHER'S NAME
FIELD=PUBL_ADD1, PUBL_ADD1, A25, $ PUBLISHER'S ADDRESS LINE 1
FIELD=PUBL_ADD2, PUBL_ADD2, A25, $ PUBLISHER'S ADDRESS LINE 2
FIELD=REPORT_DATE, REPORT_DATE, YYYYMMDD, $ REFERENCE DATE (YYYYMMDD)
FIELD=NIS_NUM, NIS_NUM, A15, $ NIS NUMBER
FIELD=REPORT_NUM, REPORT_NUM, A15, $ REPORT NUMBER OTHER CONVENTION

... YOU MAY DECIDE TO BREAK OUT THE FOLLOWING 'TEXT-LIKE' INFORMATION
OUT INTO ANOTHER UNIQUE SEGMENT AS YOU WILL NOT BE ABLE TO FIT TOO
MANY SEGMENT INSTANCES PER FOCUS PAGE (18000 BYTES) (DONE 3-26-87)

SEGNAME=RPTLINE, PARENT=REFNUMS, SECTYPE=U
FIELD=ABST_LINE1, ABST_LINE1, A76, $ ABSTRACT LINE 1
FIELD=ABST_LINE2, ABST_LINE2, A76, $ ABSTRACT LINE 2
FIELD=ABST_LINE3, ABST_LINE3, A76, $ ABSTRACT LINE 3
FIELD=ABST_LINE4, ABST_LINE4, A76, $ ABSTRACT LINE 4
FIELD=ABST_LINE5, ABST_LINE5, A76, $ ABSTRACT LINE 5

SEGNAME=RPTLINE, PARENT=REFNUMS, SECTYPE=U
FIELD=SUMM_LINE1, SUMM_LINE1, A76, $ SUMMARY LINE 1
FIELD=SUMM_LINE2, SUMM_LINE2, A76, $ SUMMARY LINE 2
FIELD=SUMM_LINE3, SUMM_LINE3, A76, $ SUMMARY LINE 3
FIELD=SUMM_LINE4, SUMM_LINE4, A76, $ SUMMARY LINE 4
FIELD=SUMM_LINE5, SUMM_LINE5, A76, $ SUMMARY LINE 5
FIELD=CONC_LINE1, CONC_LINE1, A76, $ CONCLUSION LINE 1
FIELD=CONC_LINE2, CONC_LINE2, A76, $ CONCLUSION LINE 2
FIELD=CONC_LINE3, CONC_LINE3, A76, $ CONCLUSION LINE 3
FIELD=CONC_LINE4, CONC_LINE4, A76, $ CONCLUSION LINE 4
FIELD=CONC_LINE5, CONC_LINE5, A76, $ CONCLUSION LINE 5
FIELD=RECOM_LINE1, RECOM_LINE1, A76, $ RECOMMENDATIONS LINE 1
FIELD=RECOM_LINE2, RECOM_LINE2, A76, $ RECOMMENDATIONS LINE 2
FIELD=RECOM_LINE3, RECOM_LINE3, A76, $ RECOMMENDATIONS LINE 3
FIELD=RECOMM_LINE1, RLINE, A78, 8  RECOMMENDATIONS LINE 1
FIELD=RECOMM_LINE2, RLINE, A78, 8  RECOMMENDATIONS LINE 2
FIELD=RECOMM_LINE3, RLINE, A78, 8  RECOMMENDATIONS LINE 3
FIELD=RECOMM_LINE4, RLINE, A78, 8  RECOMMENDATIONS LINE 4
FIELD=RECOMM_LINE5, RLINE, A78, 8  RECOMMENDATIONS LINE 5
FIELD=RECOMM_LINE6, RLINE, A78, 8  RECOMMENDATIONS LINE 6
FIELD=RECOMM_LINE7, RLINE, A78, 8  RECOMMENDATIONS LINE 7
FIELD=RECOMM_LINE8, RLINE, A78, 8  RECOMMENDATIONS LINE 8
FIELD=RECOMM_LINE9, RLINE, A78, 8  RECOMMENDATIONS LINE 9
FIELD=RECOMM_LINE10, RLINE, A78, 8  RECOMMENDATIONS LINE 10

* THIS DATA IS SOMEWHAT SUBJECTIVE AND IS USED IN SAR & PATROL MODELS
SENAME=MOLINFO, PARENT=REFNUMS, SETYPE=U
FIELD=RADAR_S, RSW, F5.1, " RADAR S W
FIELD=VIS_S, VSW, F4.1, " VISUAL S W
FIELD=DAYSAR_S, DSSW, F4.1, " DAY SEARCH S W
FIELD=NIGHT_S, NSW, F4.1, " NIGHT S W
FIELD=RADAR_AV_PCT, RAVAIL, F4.2, " RADAR AVAIL PERCENTAGE
FIELD=VESSEL_MTBF, VMTBF, F4.2, " VESSEL MEAN TIME FAILURE (HOURS)

* SENAME=COSTINFO, PARENT=REFNUMS, SETYPE=51
FIELD=YEAR_REF, YREF, A2, " YEAR REFERENCE FOR MONEY VALUE
FIELD=AQCUITION, AQCUITION, A150, 9, " ACQUISITION COST IN THOUSANDS
FIELD=ACQ_PCT, INC, AQPCINC, F4.2, 4, " ACQUISITION % REAL INC FOR EACH BUY
FIELD=REFURB_CST, RFB_CST, F4.2, 5, " MAJOR REFURBISH COST IN THOUSANDS
FIELD=REFURB_YEAR, RFB_YEAR, A2, " YEAR OF MAJOR REFURBISHMENT IN LIFE CYCLE
FIELD=REFURB_PCT, RFB_PCT, INC, F5.2, 9, " INC OF REFURB. DURING 2ND HALF OF LIFE
FIELD=VESSEL_LIFE, VESBLIFE, A2, " VESSEL LIFE (YEARS)
FIELD=ANNUAL_MAINT, ANNUAL_MAINT, A150, 13, " ANNUAL MAINTENANCE COST (THOUSANDS)
FIELD=MAINT_PC, MAINTPCINC, F5.2, 8, " REAL INC OF MAINT FOR 2ND HALF OF LIFE
FIELD=ANNUAL_KOS, ANNUAL_KOS, A150, 13, " ANNUAL COST OF OTHER STUFF
FIELD=DRY_DOCK_YR, DRY_DOCK_YR, I2, " DRY DOCK YEAR INT
FIELD=HAIL_CST, HAILCOST, A150, 13, " COST OF HAILING VESSEL (THOUSANDS)
FIELD=DRY_DOCK_MAINT, DRY_DOCK_MAINT, I4, " DRY DOCK MAINTENANCE (THOUSANDS)
FIELD=DISPL_CST, DISPCOST, I4, " DISPOSAL COST (THOUSANDS)
FIELD=CUTTDAYS_UN, CDAYSUN, I3, " CUTTER DAYS UNDER WAY PER YEAR
This is the master file description for the reference 'Experts' file which can be used as a cross-reference file 'to' the 'main' reference file (mainref foc) through the use of the refer_num value.

FILE=REFEXPTS, SUFFIX=FOC
SEGNAME=REFEXPTS, SEGTYPE=S1
FIELD=REFER_NUM, RENUM, 46, INDEX=1, & reference number

SEGNAME=EXPTINFO, PARENT=REFEXPTS, SEGTYPE=U
FIELD=EXPERT_NAME, EXPNAME, 25, & name of the reference person or model
FIELD=EXPERT_ADDR1, EADDR1, 25, & expert location line1
FIELD=EXPERT_ADDR2, EADDR2, 25, & expert location line2
FIELD=EXPERT_ADDR3, EADDR3, 25, & expert location line3
FIELD=EXPERT_ADDR4, EADDR4, 25, & expert location line4
FIELD=EXPERT_PHONE, EXPPHONE, 25, & expert's telephone number
FIELD=EXPERT_COMMENT, ECOMMENT, 78, & comment on validity and type of data
### REFLOCS

The master file description for the reference 'LOCATION'. This file can be used as a cross-reference file 'TO' the reference file (MAINREF.MAS) through the use of the refnum or 'TO' refers to local reference locations. We generally refer to local reference locations.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RefNum</td>
<td>Reference Number</td>
</tr>
<tr>
<td>Num</td>
<td>Number Location (e.g., USCG R&amp;D CENTER, GROTON, CT.)</td>
</tr>
<tr>
<td>Block</td>
<td>Block Location (e.g., BUILDING LOCATION)</td>
</tr>
<tr>
<td>RptLoc</td>
<td>Location of Report (e.g., ROOM NUMBER, FILE CABINET, DRAWER, ETC.)</td>
</tr>
<tr>
<td>LrptLoc</td>
<td>Local Filing Report Number</td>
</tr>
<tr>
<td>BookNum</td>
<td>Number of Log Books</td>
</tr>
<tr>
<td>BookLoc</td>
<td>Log Book(s) Location</td>
</tr>
<tr>
<td>Disk</td>
<td>Location and Form of Disk Data</td>
</tr>
<tr>
<td>Tape</td>
<td>Tape B's and Location</td>
</tr>
</tbody>
</table>

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G-27
LAST REVISED: 4/2/87

THIS IS THE MASTER FILE DESCRIPTION FOR THE MOTIONS FILE. THIS FILE
CAN BE USED AS A CROSS-REFERENCE TO THE SHIP's FILE (SHIPS.FOC)
THROUGH THE SHIP_ID FIELD. IT CAN ALSO BE USED TO CROSS-REFERENCE
THE SPECTRA FILE (SPECTRA.FOC) THROUGH THE VALUES OF THE TEST_DATE
AND SIG_WAVE_MT (SEE BELOW - MAKE SURE TO USE THE JOINNAME)

JOIN TEST_DATE AND SIG_WAVE_MT IN MOTIONS TO GRP_SPECTRA IN SPECTRAS

FILE=MOTIONS, SUFFIX=FOC
SEGNAME=SHIP_SBS, SEGTYPE=81
  FIELD=SHIP_ID, SHPID, A$, INDEX=1, $ SHIP ID # RELATING TO MOTION DATA
  FIELD=ALT_BOAT1, ALTBOAT1, A$, $ SHIP ID # OF SIDE BY SIDE BOAT 1
  FIELD=ALT_BOAT2, ALTBOAT2, A$, $ SHIP ID # OF SIDE BY SIDE BOAT 2
  FIELD=ALT_BOAT3, ALTBOAT3, A$, $ SHIP ID # OF SIDE BY SIDE BOAT 3

SEGNAME=MOTINFO, PARENT=SHIP_SBS, SEGTYPE=84
  FIELD=TEST_DATE, TSTDATE, A6YMDO, $ DATE TEST PERFORMED
  FIELD=REP_WAVE_MT, RSMWAVE, F4.1, $ REPRESENTATIVE SIGNIFICANT WAVE HEIGHT FOR ALL DATA SETS (FT)
  FIELD=TEST_SPEED, TESTSPD, F4.1, $ SHIP TEST SPEED
  FIELD=TST_RIDECNL, TRIDECNL, A3, $ RIDE CONTROL (USE CODES: ON, OFF OR N/A)
  FIELD=TEST_DISP, TDISPL, A1, $ VESSEL DISPLACEMENT (LT)
  FIELD=TEST_DFT_FWD, TDFRTFW, F4.1, $ DRAFT AFT (FT) WHEN DIW
  FIELD=TEST_DFT_AFT, TDRAFTAFT, F4.1, $ DRAFT AFT (FT) WHEN DIW
  FIELD=WIN_SPEED, WINDSPD, 12, $ WIND SPEED (KTS)
  FIELD=WIN_DIR, WINDDIR, 13, $ WIND DIRECTION (DEG TRUE)

SEGNAME=SEADIRS, PARENT=MOTINFO, SEGTYPE=81
  FIELD=TEST_DURA, TSTDUR, F5.1, $ TEST DURATION AT THIS SEA DIRECTION HEADING (MINUTES)
  FIELD=SIG_WAVE_MT, SIGWAVE, F4.1, $ SIGNIFICANT WAVE HEIGHT (FT)
  FIELD=WAVE_COMM, WAVECMP, A2B, $ COMMENT ON WAVE DATA

SEGNAME=SPEEDSEA, PARENT=SEADIRS, SEGTYPE=4
  FIELD=SOURCE_DESC, SOURCEDESC, A3B, $ SOURCE DESCRIPTION (EG. FULL SCALE TEST, COMPUTER PROGRAM, MODEL TEST)
  FIELD=MAX_SUS_SPD, MAXSSPD, F4.1, $ MAX SUSTAINED SPEED (KTS)

SEGNAME=SENSTYPES, PARENT=SEADIRS, SEGTYPE=82
  FIELD=SENSOR_TYPE, SENSEXTYPE, A1$, $ SENSOR TYPE USE CODES (EG. ROLL ANGLE)
  FIELD=SENSOR_LOC, SENSLOC, A1$, $ SENSOR LOCATION (CG, BRIDGE ETC)

SEGNAME=AVGTYPES, PARENT=SENSTYPES, SEGTYPE=81
  FIELD=AVG_TYPE, AVEGTYPE, A$, $ USE CODES: (H 1/10, H 1/3, RMS, MEAN, MAXIMUM, SD)
  FIELD=SENSOR_VAL, SENSVAL, F5.2, $ SENSOR VALUE

SEGNAME=HRESP, PARENT=SEADIRS, SEGTYPE=4
  $ DATA COLLECTED USING BRUEL & KAER HUMAN RESPONSE METER
  FIELD=TEST_DURA, TSTDUR, F4.1, $ TEST DURATION (MIN)
  FIELD=TIME_RC, TIMERC, F4.1, $ TIME TO REACH 100% REDUCED COMFORT
  FIELD=TIME_FDP, TIMEPD, F4.1, $ TIME TO REACH 100% FATIGUE DECREASED PROFICIENCY LIMIT
SECTION 01.81
STRUCTURE OF FOCUS    FILE SPECTRA ON 04/03/87 AT 15:00:46

SPECTRA
01   S1
     ************************
     *CRP_SPECTRA   **I
     *TEST_DATE     **
     *REF_WAVE_HT   **
     *SPECTRA_COMM  **
     *
     ************************
     I
     I
     I SEADIR
02   S1
     ************************
     *SEA_DIRECT    **
     *SIG_WAVE_HT   **
     *
     ************************
     I

03   S1
     ************************
     *SPEC_TYPE     **
     *
     *
     *
     *
     *
     *
     ****************************
     I

04   S1
     ************************
     *NOT_SPEC      I
     *
     *
     *
     *
     *
     ****************************
     I

05   S1
     ************************
     *NOT_FREQ      **
     *
     *
     *
     *
     *
     ****************************
     I

06   S1
     ************************
     *WAVE_FREQ     **
     *
     *
     *
     *
     *
     ****************************
     I

07   S1
     ************************
     *WAVECAL      I
     *
     *
     *
     *
     *
     ****************************
     I

08   S1
     ************************
     *WAVEDIR      I
     *
     *
     *
     *
     *
     ****************************
     I
LAST REVISED 4-3-87  SPECTRA

This is the master file description of wave, motion & RAO spectra. This file can
be used as a cross-reference to the motions file (MOTIONS.FOC)

Include the Test Date and SIN.WAVE.M1 VALUES (GROUP KEY OF GROUP_/
Spectra must be used as it is a concatenation of the date and wave
height values)

FILE=SPECTRA, SUFFIX=FDC
SEGNAME=SPECTRA, SECTYPE=S1
GROUP=GRP_SPECTRA, ALIAS=GSPECTRA, FORMAT=A10, INDEX=1, $* CONCAT OF
$  DATE AND
$  REPRESENTATIVE SIGNIFICANT WAVE HEIGHT
FIELD=TEST_DATE, TSTDATE, ADYMD, $ DATE TEST PERFORMED
FIELD=MOT_WAVE_M1, MSWAVEH, F4.1, $ REPRESENTATIVE SIGNIFICANT WAVE HEIGHT FOR ALL DATA SETS (F1)
FIELD=SPECTRA.COMM, SPCOMM, A50, $ COMMENT ON ANY TEST SPECTRA

SEGNAME=SEADIR, PARENT=SPECTRA, SECTYPE=S1
FIELD=SEA.DIRECT, SEADIR, A15, $ SEA DIRECTION RELATIVE TO SHIP (USE CODES: HEAD, BOW QUARTER, BEAM, STERN OR FOLLOWING)
FIELD=SIG_WAVE_M1, MSWAVEH, F4.1, $ SIGNIFICANT WAVE HEIGHT (F1)

SEGNAME=SPEC_TYPE, PARENT=SEADIR, SECTYPE=S1
FIELD=SPEC_TYPE, SPEC_TYPE, A5, $ SPECIES TYPE USE CODES (HEAVE, PITCH OR ROLL)

$ MOTION SPECTRA PSD DATA
SEGNAME=MOV_SPEC, PARENT=SPEC_TYPE, SECTYPE=S1
FIELD=MOT_FREQ, MOTFREQ, D5.2, $ MOTION SPECTRA FREQUENCY (HZ)
FIELD=MOT_AMPL, MOTAMPL, D15.8, $ PSD MOTION SPECTRA AMPLITUDE (UNIT$**2/HZ)

$ SHIP RESPONSE AMPLITUDE OPERATOR (RAO) SPECTRA DATA
SEGNAME=RAO_SPEC, PARENT=SPEC_TYPE, SECTYPE=S1
FIELD=RAO_FREQ, RAOFREQ, D5.2, $ RAO SPECTRA FREQUENCY (HZ)
FIELD=RAO_AMPL, RAOAMPL, D15.8, $ RAO SPECTRA AMPLITUDE (DIMENSIONLESS)

$ WAVE POWER SPECTRA DENSITY (PSD) DATA
SEGNAME=WAVE_PSD, PARENT=SEADIR, SECTYPE=S1
FIELD=WAVE_FREQ, WPDFREQ, D5.2, $ WAVE FREQUENCY (HZ)
FIELD=WAVE_AMPL, WPADAMPL, D15.8, $ PSW WAVE AMPLITUDE (FT$**2/HZ)

$ DIRECTIONAL WAVE DATA FROM ENDEC 956 WAVETRACK BUOY
SEGNAME=WAVECAL, PARENT=SEADIR, SECTYPE=S1
FIELD=DIR_SCALE_FA, DIRSF, D5.3, $ SCALE FACTOR AMP PEAKS BASED ON 50 MAX (FT$-50/FT$**2/DEG)
FIELD=DIR_SOFT, DIRSOFT, A2, $ SOFTWARE USED: USE COEDS (LM, DB)

SEGNAME=WAVEDIR, PARENT=WAVECAL, SECTYPE=S1
FIELD=DIRECtion, WAVEDIR, 13, $ WAVE ENERGY DIRECTION (DEG TRUE)

SEGNAME=WAVEAMP, PARENT=WAVEDIR, SECTYPE=S1
FIELD=WAVE_FREQ, WRAFREQ, D3.2, $ FREQUENCY (HZ)
FIELD=WAVE_AMPL, WRAAMPL, D2, $ WAVE AMPLITUDE SCALED 0-50
SECTION 01.01
STRUCTURE OF FOCUS  FILE NOISE  ON 06/09/87 AT 15.02.16

SHIPS
S1
*********
*SHIP ID **I
*NUM MAIN_ENG
*CONFIG CON
*
***********
1
1
1 SPEEDS
S2 1 S1
***********
*TEST SPEED *
*EXP MAIN *
*
***********
2
2
1 N_SCALE
S3 1 S1
***********
*N_WEIGHTING *
*
*
***********
1
1
1 POSITION
S4 1 S1
***********
*N_LOCATION *
*NOISE_VALUE *
*
*
***********
LAST REVISED: 1-5-87

THIS IS THE MASTER FILE DESCRIPTION FOR THE NOISE FILE WHICH CAN BE
USED TO CROSS-REFERENCE TO THE SHIPS FILE.

FILE=NOISE, SUFFIX=FOC
SEGNAME=SHIPS, SEGTYPE=S2
   FIELD=SHIP_ID, SHPID, A5, INDEX=1, $ REFERENCE SHIP ID NUMBER
   FIELD=NUM_MAIN_ENG, NUM_ME, 11, $ NUMBER OF MAIN ENGINES OPERATING
   FIELD=CONF?page1, $ CONFIGURATION COMMENTS (EG. LIFT ENGINES 1300 RPM, BRIDGE DOOR OPEN

SEGNAME=SPEEDS, PARENT=SHIPS, SEGTYPE=S1
   FIELD=TEST_SPEED, SPEED, FS.1, $ TEST SPEED (KNOTS)
   FIELD=ERPM_MAIN, ERPM_ME, A6, $ ENGINE(S) RPM (MAINS)

SEGNAME=N_SCALE, PARENT=SPEEDS, SEGTYPE=S1
   FIELD=N_WEIGHTING, NWIGHT, A1, $ USE CODE: 'A' OR 'C' WEIGHTING FILTER

SEGNAME=POSITION, PARENT=N_SCALE, SEGTYPE=S1
   FIELD=LOCATION, LOCATION, A20, $ LOCATION OF MEASUREMENT
   FIELD=NOISE_VALUE, NOISEVAL, FS.1, $ NOISE LEVEL (DB)
UNDERWAY

THIS IS THE MASTER FILE DESCRIPTION FOR THE FILE RELATING TO INFORMATION REGARDING THE TIME TO GET UNDERWAY. THIS FILE CAN BE USED AS A CROSS-REFERENCE FILE 'TO' THE SHIPS FILE (SHIPS.FOC) THROUGH THE USE OF THE SHIP_ID VALUE.

FILE=UNDERWAY, SUFFIX=FOC
SENGNAME=UNDERWAY, SEGTYPE=S1
FIELD=SHIP_ID, SHPID, AS, INDEX=1, $ REFERENCE ID NUMBER
FIELD=START_MAINS, STARTMINS, 14, $ START MAIN ENGINES TIME (SEC)
FIELD=START_GENS, STARTGENS, 14, $ START GENERATORS TIME (SEC)
FIELD=DISCONNECT_SHORE_TIES, DISSHRTIES, 14, $ DISCONNECT SHORE TIES TIME (SEC)
FIELD=ENG.REDY, ENGRDY, 14, $ ENGINEERING DEPT READY TIME (SEC)
FIELD=OPS.REDY, OPSRDY, 14, $ OPERATIONS DEPT READY TIME (SEC)
FIELD=DECK.REDY, DECKRDY, 14, $ DECK DEPT READY TIME (SEC)
FIELD=LAST_LINE.AWAY, LSHTLINEAWAY, 14, $ LAST LINE AWAY TIME (SEC)
FIELD=UNDY_COMMENT, UCOMMENT, A78, $ UNDERWAY TEST COMMENTS
SECTION 01.01
STRUCTURE OF FOCUS
FILE MANEUVER ON 04/09/87 AT 15.05.04

MANUINFO
01 52
************
*SHIP_ID ** 1
*MAN_TEST_DAT**
*MAN_DISP **
*WATER_DEPTH **
 ************
************
 1
 1
 1 SPEED
02 1 S2
************
*MAN_SPEED **
*NO_eng_used**
*ENGINE_RPM **
 ************
************

************
 03 1 U  04 1 U  05 1 U  06 1 S1  07 1 S1
************
*INIT_COURSE * *TIME_TO_SPD * *STOP_METH * *SP_RUDD_AND**
*RUDD_AND_CHG* *DIST_TO_SPD * *DIST_TO_STOP* *YAW_RATE * *TA_RUDD_AND**
*TIME_SRC_EXE* *TIME_TO_STEP* *TIME_TO_STOP* * ** *ADVANCE **
*PERIOD * * * *
 ************
 ************
 ** ****
```
LAST REVISED 4-9-87

FILE = MANEUVER, SUFFIX = FOC
SEGNAM E = MANINFO, SEGT YPE = 52
FIELD = SHIP_ID, SHI PID, A5, INDEX = 1, 8
FIELD = MAN_TEST_DATE, TESTDATE, A68YMD, 8
FIELD = MAN_DISP, MDISP, F7.1, 8
FIELD = MAN_WAVE_HT, MWAVEHT, F4.1, 8
FIELD = MAN_WIND_SP, MWINDSPD, A2, 8
FIELD = MAN_WAVE_DIR, MWAVEDIREC, A3, 8
FIELD = MAN_WIND_DIR, MWINDDIREC, A3, 8

SEGNAM E = SPEED, PARENT = MANINFO, SEGT YPE = 52
FIELD = MAN_SPEED, MSPD, F5.1, 8
FIELD = NO_ENGS_USED, NOENGSUSED, A1, 8
FIELD = ENGINE_RPM, ENGRPM, A4, 8

SEGNAM E = SPIRAL, PARENT = SPEED, SEGT YPE = 51
FIELD = SP_RUDO ANGL, SPRUDDANG, I3, 8
FIELD = YAW_RATE, YAWRATE, F6.2, 8

SEGNAM E = ZIGZAG, PARENT = SPEED, SEGT YPE = 51
FIELD = INIT_COURSE, INITCOURSE, A3, 8
FIELD = RUDO ANGL_CHG, RUDCHANGL, A4, 8
FIELD = TIME_SEC, TIMESEC, I3, 8
FIELD = PERIOD, PERIOD, I3, 8
FIELD = OVERSHOOT, OVSHOOT, F4.1, 8
FIELD = OVERSHOOT2, OVSHOOT2, F4.1, 8
FIELD = OVERSHOOT3, OVSHOOT3, F4.1, 8
FIELD = OVERSHOOT4, OVSHOOT4, F4.1, 8

SEGNAM E = TACTICAL, PARENT = SPEED, SEGT YPE = 51
FIELD = TA_RUDO ANGL, TARUDDANG, I3, 8
FIELD = ADVANCE, ADV, I4, 8
FIELD = TRANSFER, TRANS, I4, 8
FIELD = TACT_DIAM, TACTDIAM, I4, 8
FIELD = TURN_RADIUS, TURNRADIUS, I4, 8

SEGNAM E = CRASH, PARENT = SPEED, SEGT YPE = 51

LAST REVISED 4-9-87

FILE = MANEUVER, SUFFIX = FOC
SEGNAM E = MANINFO, SEGT YPE = 52
FIELD = SHIP_ID, SHI PID, A5, INDEX = 1, 8
FIELD = MAN_TEST_DATE, TESTDATE, A68YMD, 8
FIELD = MAN_DISP, MDISP, F7.1, 8
FIELD = MAN_WAVE_HT, MWAVEHT, F4.1, 8
FIELD = MAN_WIND_SP, MWINDSPD, A2, 8
FIELD = MAN_WAVE_DIR, MWAVEDIREC, A3, 8
FIELD = MAN_WIND_DIR, MWINDDIREC, A3, 8

SEGNAM E = SPEED, PARENT = MANINFO, SEGT YPE = 52
FIELD = MAN_SPEED, MSPD, F5.1, 8
FIELD = NO_ENGS_USED, NOENGSUSED, A1, 8
FIELD = ENGINE_RPM, ENGRPM, A4, 8

SEGNAM E = SPIRAL, PARENT = SPEED, SEGT YPE = 51
FIELD = SP_RUDO ANGL, SPRUDDANG, I3, 8
FIELD = YAW_RATE, YAWRATE, F6.2, 8

SEGNAM E = ZIGZAG, PARENT = SPEED, SEGT YPE = 51
FIELD = INIT_COURSE, INITCOURSE, A3, 8
FIELD = RUDO ANGL_CHG, RUDCHANGL, A4, 8
FIELD = TIME_SEC, TIMESEC, I3, 8
FIELD = PERIOD, PERIOD, I3, 8
FIELD = OVERSHOOT, OVSHOOT, F4.1, 8
FIELD = OVERSHOOT2, OVSHOOT2, F4.1, 8
FIELD = OVERSHOOT3, OVSHOOT3, F4.1, 8
FIELD = OVERSHOOT4, OVSHOOT4, F4.1, 8

SEGNAM E = TACTICAL, PARENT = SPEED, SEGT YPE = 51
FIELD = TA_RUDO ANGL, TARUDDANG, I3, 8
FIELD = ADVANCE, ADV, I4, 8
FIELD = TRANSFER, TRANS, I4, 8
FIELD = TACT_DIAM, TACTDIAM, I4, 8
FIELD = TURN_RADIUS, TURNRADIUS, I4, 8

SEGNAM E = CRASH, PARENT = SPEED, SEGT YPE = 51
```