

STANDARD CLAUSE: 15-110

DESCRIPTION: ENGINEERING DATA PACKAGE FOR TECHNICAL MANUALS DEVELOPED BY VENDOR FOR NEW COMPONENTS

THIS STANDARD CLAUSE (FOR NEW DESIGN COMPONENTS) SPECIFIES THE INTEGRATED LOGISTIC SUPPORT PRODUCTS AND SERVICES TO BE PERFORMED BY THE SELLER FOR ENGINEERED COMPONENTS. IT IS PREFERABLE THAT ALL LOGISTICS DATA BE PROVIDED IN WINDOWS COMPATIBLE FILES ON DIGITAL VERSATILE DISKS (DVDS) OR VIA THE CONTRACTOR ELECTRONIC DATA EXCHANGE.

IF THIS DATA DOES NOT EXIST IN DIGITAL FORM, HARD COPY SHALL BE PROVIDED. THE SERVICES REQUIRED ARE DESCRIBED IN THE FOLLOWING PARAGRAPHS:

#### VENDOR DEVELOPED TECHNICAL MANUAL

THE SELLER SHALL PREPARE AND SUBMIT TO THE BUYER FOR APPROVAL A VENDOR TECHNICAL MANUAL FOR THE EQUIPMENT/COMPONENT. THE SELLER'S TECHNICAL MANUAL SHALL PROVIDE, AS A MINIMUM, THE FOLLOWING DATA, AS APPLICABLE, FOR THE EQUIPMENT. THIS TECHNICAL MANUAL SHALL BE PREPARED IN STRICT ACCORDANCE WITH MIL-DTL-24784 AND MIL-STD-38784.

- MANUFACTURER'S MODEL AND SERIAL NUMBER OF THE EQUIPMENT
- MANUFACTURER'S RECOMMENDED DISASSEMBLY/ASSEMBLY SEQUENCES KEYED TO PART NUMBERS AND NAMES OF PARTS ON MANUFACTURER'S DRAWINGS
- MANUFACTURER'S RECOMMENDED NORMAL AND EMERGENCY OPERATING INSTRUCTIONS
  
- PACKAGING, HANDLING, STORAGE, AND TRANSPORTATION (PHS&T) INSTRUCTIONS FOR THE EQUIPMENT AND EACH POSSIBLE REPAIR PART INCLUDING BUT NOT LIMITED TO.
- ACCURATE INFORMATION ON SIZE AND WEIGHT WITHOUT PACKAGING (CRATED AND UNCRATED DIMENSIONS, WEIGHTS, VOLUMES)

- NEED FOR UNIQUE STOWAGE CONTAINERS, SPECIAL HANDLING, SPECIAL TRANSPORTATION OR TECHNICAL ESCORTS
- SPECIAL REQUIREMENTS FOR SHELF LIFE, ELECTROSTATIC-DISCHARGE SENSITIVE, HAZARDOUS MATERIAL, PERSONNEL SAFETY, AND SPECIAL HANDLING
- STORAGE RESTRICTIONS AND REQUIREMENTS
- HAZARDOUS MATERIAL TRANSPORTATION AND HANDLING REQUIREMENTS
- PRESENTLY ACCEPTED DISPOSAL METHODS AND REQUIREMENTS
- UNIQUE SAFETY PRECAUTIONS NECESSARY FOR THE PROTECTION OF THE EQUIPMENT AND THE PERSONNEL INSTALLING, OPERATING, AND MAINTAINING IT
- MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION, TESTING, OVERHAUL, AND REPAIR INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
  - LIFTING POINTS
  - SPECIAL SUPPORT POWER REQUIREMENTS
  - CRITICAL CLEARANCES
  - CRITICAL DIMENSIONS
  - CRITICAL TOLERANCES
  - INSULATION RESISTANCE VALUE
  - ALIGNMENTS AND ADJUSTMENTS THAT MUST BE OBSERVED
  - PERFORMANCE CURVES
  - SPECIAL ENVIRONMENTAL REQUIREMENTS SUCH AS TEMPERATURE AND HUMIDITY
  - LIST OF SPECIAL TOOLS AND SUPPORT EQUIPMENT REQUIRED
  - MANUFACTURER'S RECOMMENDED LUBRICANTS INCLUDING INDUSTRY STANDARD ALTERNATIVES
  - MANUFACTURER'S PREVENTIVE MAINTENANCE REQUIREMENTS AND RECOMMENDED PERIODICITIES WITH EMPHASIS ON THOSE SERVICE PROCEDURES AND FREQUENCIES THAT ARE CONSIDERED ABSOLUTE (NOT JUST RECOMMENDED)
  - MANUFACTURER'S STANDARD RECOMMENDED TROUBLESHOOTING PROCEDURES, INCLUDING FAULT LOGIC DIAGRAMS AS APPLICABLE

- MANUFACTURER'S DETAILED PARTS LISTS INCLUDING PART NUMBERS, MODEL NUMBER, QUANTITY PER ASSEMBLY AND SOURCE DETAIL DRAWING NUMBERS. MANUFACTURER'S CAGE CODE NUMBERS AS LISTED IN CATALOGING HANDBOOKS H4-1 AND H4-2, IF NOT PROVIDED ON MANUFACTURER'S OUTLINE, ASSEMBLY, AND DETAIL DRAWINGS FURNISHED FOR THIS PURCHASE ORDER
- MANUFACTURER'S TEST PROCEDURE.
- MANUFACTURERS INACTIVE EQUIPMENT MAINTENANCE (PREVENTATIVE MAINTENANCE), EQUIPMENT LAY-UP PROCEDURES
  
- FUNCTIONAL CHARACTERISTICS, RATED OUTPUTS, AND CAPABILITIES/LIMITATIONS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
  - POWER (KW OR HP)
  - PRESSURES
  - RATING
  - WATTAGE, VOLTAGE (SINGLE-PHASE, 3-PHASE, OR DC) FREQUENCY AND AMPERAGE
  - GALLONS
  - BTUS
  - SPEEDS
  - FLOW RATES
  - LEAKAGE RATES
  - PROVIDE THIS DATA IF AVAILABLE (DO NOT DEVELOP)
  - MTBF (MEAN-TIME-BETWEEN-FAILURE). INCLUDE THE SOURCE, I.E., PREDICTION OR ACTUAL USAGE.
  - MTTR (MEAN-TIME-TO-REPAIR). INCLUDE THE SOURCE, I.E. PREDICTION OR ACTUAL USAGE.

THE BUYER AND U.S. NAVY MAY USE AND REPLICATE ANY INFORMATION, TECHNICAL DATA, COMPUTER SOFTWARE, AND/OR COMPUTER SOFTWARE DOCUMENTATION PROVIDED UNLESS SPECIFIC PROPRIETARY RIGHTS ARE ASSERTED AND IDENTIFIED BY THE SELLER.

ALL TECHNICAL DATA PERTAINING TO NONCOMMERCIAL ITEMS THAT IS PROVIDED SHALL COMPLY WITH AND BE PROPERLY MARKED IN ACCORDANCE WITH DFARS 252.227-7013, RIGHTS IN TECHNICAL DATA, NONCOMMERCIAL ITEMS.

ALL TECHNICAL DATA PERTAINING TO COMMERCIAL ITEMS THAT IS PROVIDED SHALL COMPLY WITH AND BE PROPERLY MARKED IN ACCORDANCE WITH DFARS 252.227-7015, TECHNICAL DATA, COMMERCIAL ITEMS.

ALL NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION THAT IS PROVIDED SHALL COMPLY WITH AND BE MARKED IN ACCORDANCE WITH DFARS 252.227-7014, RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION.

ALL SUCH INFORMATION, TECHNICAL DATA, COMPUTER SOFTWARE, AND COMPUTER SOFTWARE DOCUMENTATION PROVIDED WITH OTHER THAN UNLIMITED RIGHTS SHALL BE ACCOMPANIED BY A PROPERLY COMPLETED EB FORM NO. 84-02-5667, NOTICE OF LIMITATION ON GOVERNMENT'S AND OTHER'S RIGHTS.

THE PARTIES AGREE TO ENTER INTO A WRITTEN NON-DISCLOSURE AGREEMENT (NDA) / PROPRIETARY DATA AGREEMENT (PDA) WHEN REQUIRED BY THE AFOREMENTIONED DFARS CLAUSES.

SUBMITTAL SHALL BE BY LETTER AND ELECTRIC BOAT CORPORATION FORM 84-01-2974 VENDOR PROCEDURE APPROVAL REQUEST (VPAR). THE LETTER AND THE BUYER'S FORM SHALL CLEARLY IDENTIFY THE PURCHASE ORDER NUMBER, PURCHASE ORDER ITEM NUMBER AND THE BUYER'S PART NUMBER (AS/IF PROVIDED ON PURCHASE ORDER) FOR WHICH THE DATA IS SUBMITTED.

FOR PURCHASE ORDERS THAT ORIGINATE FROM HUNTINGTON INGALLS INDUSTRIES, INC. NEWPORT NEWS SHIPBUILDING, 4101 WASHINGTON AVE,

NEWPORT NEWS, VA. 23607, YOU ARE REQUESTED TO FORWARD ALL SOFTWARE DELIVERABLES IDENTIFIED HEREIN AS FOLLOWS:

- PURCHASE ORDERS WHOSE LINE ITEM MATERIAL GROUP IS IDENTIFIED AS CM-I, CM-III, CM(-), CM-A OR CM-FAC:

DEPARTMENT E89, BLDG. 600/1 ATTN:

SOFTWARE COORDINATOR

- PURCHASE ORDERS WHOSE LINE ITEM MATERIAL GROUP IS IDENTIFIED OTHER THAN CITED ABOVE:

DEPARTMENT E45 (VCS) BLDG. 600/2

ATTN. SOFTWARE COORDINATOR

SOFTWARE DELIVERABLES PREVIOUSLY APPROVED SHALL BE PROVIDED AS PART OF THE HARDWARE DELIVERABLES.