

THIS STANDARD CLAUSE (FOR NEW COMPONENTS) SPECIFIES THE INTEGRATED LOGISTIC SUPPORT PRODUCTS AND SERVICES TO BE PERFORMED BY THE SELLER FOR NSSN ENGINEERED COMPONENTS. IT IS PREFERABLE THAT ALL LOGISTIC DATA BE PROVIDED ON A 3-1/2-INCH HIGH-DENSITY DISK IN IBM-COMPATIBLE/MACINTOSH, SPREAD SHEET, DATA BASE, WORD, WORD PERFECT, OR OTHER IBM-COMPATIBLE FORMAT. IF THIS CAPABILITY IS NOT AVAILABLE, PROVIDE THE DATA IN HARD COPY FORMAT. IF GRAPHICS ARE CREATED IN A COMPUTER DATA FILE, A COPY OF THE FILE SHALL BE PROVIDED. OTHERWISE, HARD COPY SHALL BE PROVIDED. THE SERVICES REQUIRED ARE DESCRIBED IN THE FOLLOWING PARAGRAPHS:

#### ENGINEERING DATA PACKAGE FOR TECHNICAL MANUALS

THE SELLER SHALL PREPARE AND SUBMIT ENGINEERING DATA PACKAGE RELATING TO THE EQUIPMENT/COMPONENTS PROVIDED TO THE PROCURING ACTIVITY. THIS DATA PACKAGE SHALL BE A COMPILATION OF INFORMATION RELATED TO THE PARTICULAR EQUIPMENT COVERED BY THE PURCHASE ORDER. THESE PACKAGES SHALL BE COMPLETE ENOUGH TO ALLOW THE PROCURING ACTIVITY TO WRITE AN ACCURATE AND THOROUGH ELECTRONIC TECHNICAL MANUAL. THE SELLER SHALL CONCUR WITH THE CONTENT OF THE MANUAL FOR COMPLETENESS AND ACCURACY, AND PERFORM VALIDATION TO AVOID NEGATING THE SELLER'S WARRANTY ON EQUIPMENT OR COMPONENT(S) (MIL-M-85337A). THE SELLER SHALL PROVIDE THE FOLLOWING DATA, AS APPLICABLE, FOR THE EQUIPMENT. TECHNICAL REQUIREMENTS FOR THIS DATA ARE AS SPECIFIED IN MIL-M-15071H. IF THE DATA IS PROVIDED TO SATISFY ANOTHER REQUIREMENT OF THIS ORDER, IT NEED NOT BE RE-SUBMITTED TO SATISFY THIS REQUIREMENT:

- . MANUFACTURER'S MODEL AND SERIAL NUMBER OF THE EQUIPMENT.
  
- . MANUFACTURER'S RECOMMENDED DISASSEMBLY/ ASSEMBLY PROCEDURES KEYED TO PART NUMBERS AND NAMES OF PARTS ON MANUFACTURER'S DRAWINGS.

- . MANUFACTURER'S RECOMMENDED NORMAL AND EMERGENCY OPERATING INSTRUCTIONS.
- . 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, AS APPLICABLE:
  - CRATED AND UNCRATED DIMENSIONS, WEIGHTS, VOLUMES.
  - 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.
  - SPECIAL STORAGE REQUIREMENTS SPECIFIED.
  - MANUFACTURER'S RECOMMENDED LUBRICANTS INCLUDING INDUSTRY STANDARD ALTERNATIVES.
  - MANUFACTURER'S PREVENTATIVE MAINTENANCE REQUIREMENTS AND RECOMMENDED PERIODI-

CITIES 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 FEDERAL SUPPLY 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.
- . 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.
- TRAINING MATERIALS AND/OR TRAINING AVAILABLE.

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 NORTHROP GRUMMAN NEWPORT NEWS SHIPBUILDING, 4101 WASHINGTON AVE, NEWPORT NEWS, VA. 23607, YOU ARE REQUESTED TO FORWARD ALL UNAPPROVED 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.