

## 1. INDIVIDUAL ACCEPTANCE TESTS:

INDIVIDUAL ACCEPTANCE TESTS (IAT) ARE FINAL SELLER TESTS CONDUCTED PRIOR TO PURCHASER ACCEPTANCE TO DETERMINE THAT EACH MANUFACTURED ITEM MEETS THE PHYSICAL AND FUNCTIONAL REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS.

- 1.1 IAT PROCEDURES ARE TO BE PREPARED BY THE SELLER AND APPROVED BY THE PURCHASER PRIOR TO THE START OF TESTS ON A VENDOR PROCEDURE APPROVAL REQUEST (VPAR), 84-01-2974. EXCEPT FOR ACOUSTIC TEST PROCEDURES (WHEN REQUIRED), ALL IAT PROCEDURES FOR A COMPONENT SHALL BE SUBMITTED ON ONE (1) ELECTRIC BOAT VPAR WHENEVER POSSIBLE.

## 2. IAT PROCEDURE:

THE SELLER SHALL SUBMIT TO THE PURCHASER FOR APPROVAL ONE (1) COPY OF THE IAT PROCEDURE THAT INCLUDES:

- A. A COVER PAGE NOTING THE IAT PROCEDURE NO., SELLER'S NAME, COMPONENT OR PART NO., PART NAME, ETC.
- B. REFERENCES (I.E., THE PURCHASERS PROCUREMENT SPECIFICATION NUMBERS INCLUDING CHANGE LETTER, ETC.).
- C. TEST EQUIPMENT CALIBRATION CYCLE TIME, CALIBRATION DATE, RANGE AND ACCURACY, AND SCHEMATIC OF TEST SETUP.
- D. A DETAILED TEST PROCEDURE BASED ON THE APPLICABLE PROCUREMENT

ON PROCUREMENT SPECIFICATIONS. THE DETAILED TEST PROCEDURE SHALL INCLUDE CLEAR ACCEPTANCE AND REJECTION CRITERIA FOR ALL TESTS WHICH ARE IN ACCORDANCE WITH THE APPLICABLE PROCUREMENT SPECIFICATION THE SEQUENCE OF TESTS SHALL BE AS SPECIFIED ON THE APPLICABLE SPECIFICATION.

E. A COPY OF SELLER'S ASSEMBLY DRAWING, PROVIDED THAT IT HAS NOT PREVIOUSLY BEEN SUBMITTED.

F. A SAMPLE COPY OF IAT DATA SHEET. THE IAT DATA SHEET SHALL ALSO INCLUDE CLEAR ACCEPTANCE AND REJECTION CRITERIA OF ALL TESTS WHICH ARE IN ACCORDANCE WITH THE APPLICABLE PROCUREMENT SPECIFICATION.

3. WITNESSING OF IAT:

THE SELLER SHALL NOTIFY THE BUYER FIVE (5) DAYS PRIOR TO START OF TESTS

4. ADJUSTMENTS AND REPAIR DURING IAT:

A. THE UNIT(S) SHALL NOT BE DISASSEMBLED, REWORKED, ADJUSTED, ETC., DURING OR AS A RESULT OF IAT UNLESS OTHERWISE SPECIFIED.

B. IN THE EVENT OF A FAILURE, THE BUYER SHALL BE NOTIFIED IMMEDIATELY. SUCH NOTIFICATION TO BE PRIOR TO SELLER PERFORMING FAILURE ANALYSIS AND/OR CORRECTIVE ACTION.

C. EACH UNIT THAT FAILS TO PASS IAT SHALL BE IDENTIFIED ON THE IAT REPORT WITH THE MODE OF FAILURE AND ANALYSIS NOTED.

5. CLEANLINESS CONTROL:

THE SELLER SHALL:

- A. CLEAN THE UNIT(S) TO THE REQUIREMENTS SPECIFIED IN THE IN THE APPLICABLE PROCUREMENT SPECIFICATION.
- B. ASSURE AND MAINTAIN CLEANLINESS OF THE UNIT DURING AND AFTER IAT AND DURING PACKAGING AND SHIPPING PROCESS.

6. IAT DATA REPORTS (TEST RESULTS):

THE SELLER SHALL INCLUDE THE FOLLOWING DATA ON EACH REPORT:

- A. SELLER'S NAME AND ADDRESS.
- B. PURCHASE ORDER NUMBER.
- C. COMPONENT OR PART NAME.
- D. MANUFACTURER'S PART NUMBER.
- E. PROCUREMENT SPEC. NUMBER, INCLUDING DASH NO. AND REV. LETTER.
- F. SELLER'S SERIAL NUMBER(S).
- G. SPECIFIC TESTS PERFORMED AND TEST SEQUENCE.
- H. TEST FLUID MEDIA, TEMPERATURE, HUMIDITY, ETC., AS APPLICABLE.
- I. TOTAL TEST (OPERATING) TIME.
- J. TEST PARAMETERS AND ACTUAL RESULTS
- K. APPLICABLE CLEANING, PACKAGING AND SHIPPING DOCUMENTS.
- L. SELLER AND SOURCE INSPECTION

ACCEPTANCE BLOCK AND DATE.

M. REMARKS.

7. IAT DATA REPORTS:

A. THE SELLER SHALL MAINTAIN COPIES OF IAT DATA REPORTS IN ACCORDANCE WITH THE RECORD RETENTION REQUIREMENTS OF EB 2678 (S.C. 60-29). THE IAT DATA REPORTS SHALL ALSO BE MADE AVAILABLE UPON REQUEST FOR REVIEW BY THE PURCHASER AND/OR GOVERNMENT REPRESENTATIVES.

B. THE SELLER SHALL PROVIDE A CERTIFICATION WITH SHIPMENT THAT IAT'S WERE PERFORMED IN ACCORDANCE WITH THE APPROVED IAT PROCEDURE WITH SATISFACTORY RESULTS.

C. UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER, SUBMITTAL OF ACTUAL IAT DATA REPORTS IS NOT REQUIRED. WHEN SUBMITTAL OF IAT DATA REPORTS IS SPECIFICALLY REQUESTED IN THE PURCHASE ORDER, THE IAT DATA REPORTS SHALL BE SUBMITTED ON ONE (1) VPAR (EB FORM 84-01-2974). AFTER COMPLETION OF ALL IAT'S, BUT PRIOR TO SHIPMENT.

D. UNLESS OTHERWISE SPECIFIED ELSEWHERE IN THE PURCHASE ORDER, PROCUREMENT SPECIFICATION OR HEREIN, ALL CAPACITY TEST RESULTS FOR PUMPS AND COMPRESSORS SHALL BE SUBMITTED FOR APPROVAL, ON ONE (1) VPAR (EB FORM 84-01-2974) PRIOR TO SHIPMENT. THE SELLER SHALL NOTIFY THE BUYER 5 DAYS IN ADVANCE OF STARTING TESTING. THE PURCHASER MAY, AT ITS

DISCRETION, REQUIRE TESTING TO BE BE WITNESSED BY THE COGNIZANT PURCHASER'S ENGINEER AND QUALITY CONTROL REPRESENTATIVE IN LIEU OF REQUIRING SUBMITTAL OF THE TEST RESULTS FOR APPROVAL VIA VPAR. IN THE EVENT THAT THE COGNIZANT PURCHASER'S ENGINEER WITNESSES SATISFACTORY TESTING, THE ENGINEER IS TO SIGN THE IAT DATA SHEET WHILE AT THE VENDORS FACILITY ATTESTING THAT THE CONTRACTURAL OBLIGATION HAS BEEN MET.

8. NOTE 1:

SELLER'S AND SELLER'S SUBCONTRACTOR PREVIOUSLY APPROVED PROCEDURES.

1. SELLER'S PROCEDURES FOR OPERATIONAL TESTS THAT HAVE PREVIOUSLY RECEIVED WRITTEN APPROVAL SHALL NOT BE RESUBMITTED FOR APPROVAL ON THIS PURCHASE ORDER PROVIDED THE FOLLOWING CONDITIONS ARE MET:

A. THE PROCEDURE, INCLUDING REVISION, IS THE SAME AS PREVIOUSLY APPROVED.

B. THE PROCEDURE COVERS THE SAME TYPE OF PROCESS, SPECIFICATION REVISION, APPLICATION, AND THE SAME ACCEPTANCE CRITERIA.

2. WHERE SELLER ELECTS TO USE A "PROCEDURE PREVIOUSLY APPROVED", ADD THE REQUIREMENTS SET FORTH ABOVE SHALL BE FOLLOWED EXCEPT A COPY OF THE PURCHASER'S VPAR PREVIOUSLY APPROVED, MEETING ALL CONDITIONS SET FORTH ABOVE, SHALL BE INCLUDED IN THE CERTIFICATION PACKAGE.

3. IN THE EVENT THAT THE IAT REQUIREMENTS CHANGE AFTER THE PURCHASER'S APPROVAL HAS BEEN OBTAINED, THE PROCEDURE MUST BE UPDATED AND RESUBMITTED FOR APPROVAL.

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.