

THE FOLLOWING SUPPLEMENTAL REQUIREMENTS APPLY TO THE TESTING OF CUNI 70/30 CASTINGS MANUFACTURED ULTIMATELY FOR ELECTRIC BOAT OR NORTHROP GRUMMAN NEWPORT NEWS PURCHASE ORDER PRODUCT:

A. AN EB/NGNN LIST OF PRE-APPROVED CUNI 70/30 CASTING FOUNDRY SUPPLIERS IS AVAILABLE ON BOTH EB AND NGNN INTERNET WEBSITES OR MAY BE PROVIDED TO SELLERS SEPARATELY OR AS PART OF THE PURCHASE ORDER.

B. SUPPLIERS MAY UTILIZE A CASTING FOUNDRY LISTED ON THE EB/NGNN APPROVED FOUNDRY LIST WHEN A PURCHASE ORDER LINE ITEM PART NUMBER REQUIRES A CUNI 70/30 CASTING. USE OF OTHER THAN A PREAPPROVED CUNI 70/30 CASTING FOUNDRY REQUIRES VIR SUBMITTAL FOR ELECTRIC BOAT CORPORATION OR NORTHROP GRUMMAN NEWPORT NEWS APPROVAL FOR EACH PART NUMBER. APPROVED VIRS MUST BE INCLUDED WITH, AND ALSO RETAINED WITH, THE TRACEABILITY DOCUMENTATION PACKAGE.

C. IN ADDITION TO, OR IN CONJUNCTION WITH, TESTING REQUIRED ELSEWHERE IN THIS PURCHASE ORDER. SUPPLIERS SHALL INVOKE THE FOLLOWING REQUIREMENTS ON ORDERS FOR CUNI 70/30 CASTINGS FROM AN EB/NGNN APPROVED FOUNDRY:

1. FOR EACH HEAT, THE FOUNDRY SHALL ANALYZE AND HAVE AVAILABLE A CHEMICAL COMPOSITION TEST REPORT FOR AN "A" (BEGINNING OF POUR) AND "B" (END OF FURNACE CHARGE POUR) CHEMISTRY TEST COUPON. TEST REPORTS AND CHEMISTRY COUPONS SHALL BE IDENTIFIED AS "A" AND "B" ADDITION TO THE HEAT NUMBER TRACEABILITY.

2. MECHANICAL TEST BARS ARE TO BE POURED NO SOONER THAN 50% THROUGH THE FURNACE CHARGE POUR.

3. THE FOUNDRY OR SUPPLIER SHALL MAINTAIN THE "A" & "B" CHEMISTRY COUPONS AND THE MECHANICAL TEST SPECIMENS, AND THEIR RESPECTIVE TEST RESULTS, AS OBJECTIVE QUALITY EVIDENCE, SUBJECT TO AUDIT AND FURTHER ANALYSIS BY ELECTRIC BOAT CORPORATION AND/OR NORTHROP GRUMMAN NEWPORT NEWS.

A) RETENTION SHALL BE A MINIMUM OF SEVEN (7) YEARS.

B) NOTIFY EB AND/OR NGNN FOR DISPOSITION PRIOR TO DISPOSAL OF

RECORDS AND SPECIMENS.

4. EB AND NGNN PRODUCTS MAY BE Poured IN THE SAME HEAT, HOWEVER, THE HEAT SHALL BE UNIQUE TO EB AND/OR NGNN (NO OTHER CUSTOMER'S PRODUCT SHALL BE INCLUDED IN THE HEAT).

D. CHEMISTRY AND MECHANICAL TEST REPORT SUBMITTAL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED ELSEWHERE IN THIS PURCHASE ORDER. UNLESS OTHERWISE SPECIFIED ELSEWHERE IN THE PURCHASE ORDER, THE "B" COUPON CHEMISTRY TEST RESULTS SHALL BE SUBMITTED.

NOTE THAT THIS STANDARD CLAUSE DOES NOT MANDATE SUBMITTAL OF TEST REPORTS.