

Coded Note Number: **S2110**

Revision: **C007**

Date: **December 19, 2012**

Title: **SHOCK TEST AND POST TEST REPORTS**

SHOCK REPORT SUBMITTAL:

This item requires high impact shock qualification in accordance with Mil-S-901D and procurement Appendix L. The supplier is required to notify the Newport News Shipbuilding sourcing representative within their quote or no later than (1) month of placement of this purchase order if a request for quote is not generated, which of the following means will be used to shock-qualify this item:

- A. Testing
- B. Extension Request
- C. Calculation/Analysis
- D. Submit evidence of previous shock qualification approval for this item

A. If Shock Testing Will Be Used To Qualify This Item:

1. (7) Hard copies or (1) electronic copy of the shock test report and post shock test inspection and functional testing report is required for each test performed in accordance with Appendix L. The shock test report and post shock test report shall include all required information specified in Mil-S-901D. The purchase order number, item number and vendor's drawing number, if applicable, shall be indicated on the reports. Reports for approval must be received by the purchaser within (1) month after completion of the shock test.
2. Clear photographs of the test setup and each instance of damage must accompany each shock test report.
3. Only standard test fixtures shown in Mil-S-901D or non-standard fixtures approved by the navy will be accepted for the shock test.
4. Certification of the shock test report for lightweight and medium weight shock tests shall be by the facility performing the shock test. Certification of shock test report for all heavy weight tests shall be by the government representative.
5. Certification of the post shock test inspection and functional testing report by the government representative is required for tested components of all weight classes.
6. Unless a DCMA (formerly DCMC or DCAS) exemption code is listed on page

(1) of this purchase order, Government Procurement Quality Assurance (GPQA) action is required prior to shipment from your plant. Upon receipt of this order and/or any subsequent modifications, please notify the government representative who normally services your plant at least two weeks in advance of the time and place of the test and the post shock test inspection and functional testing for all weight classes. Promptly furnish a copy to the government representative who normally services your plant or, if none, to the nearest army, air force, or defense supply agency inspection offices so that appropriate planning for government inspection can be accomplished. In the event that the representative or office cannot be located, our purchasing department should be notified immediately.

Your shipping document or packing list shall be used to indicate performance of required GPQA action. The following statement of the government representative shall be entered on all copies

“Required PQA of listed items has been performed.

\_\_\_\_\_ (Signature or DOD Stamp of Authorized  
Gov’t Rep.)

\_\_\_\_\_ (Date)

\_\_\_\_\_ (Typed Name of Office).”

In no event shall any DCMA or other government inspection, approval or acceptance be construed as inspection, approval or acceptance on behalf of purchaser or to any way preclude purchaser from rejecting any item(s) that are not in full compliance with all purchase order requirements, including, but not limited to, timely delivery; unless otherwise expressly provided in this purchase order, purchase acceptance shall be after receipt inspection by purchaser at purchaser’s Newport News, VA premises.

**B. If Shock Approval Extension Will Be Used To Shock Qualify This Item:**

A shock extension package consisting of the following shall be submitted:

1. (7) Hard copies or (1) electronic copy of Navy Approval Letter, including Figure 19 and the shock test report for the item used as the basis for the extension.
2. Drawings of the tested and untested items.
3. Differences in the two items must be clearly identified and analyzed to show the untested item has equal or better shock resistance. Detailed

engineering rationale and/or supporting calculations must be provided to demonstrate this.

If shock extension is not approved and shock testing will be required, the vendor is required to notify the Newport News Shipbuilding sourcing representative.

C. If Calculations/Analysis Are Used To Shock Qualify This Item:

1. If the item is to be grade a qualified, NAVSEA approval prior to analysis must be granted. Please notify the Newport News Shipbuilding sourcing representative of your intent to shock qualify the item using this method so NAVSEA approval is received prior to proceeding.
2. The model to be used for analysis must be approved prior to beginning the analysis.
3. (7) Hard copies or (1) electronic copy of dynamic analysis calculations performed in accordance with NAVSEA-0908-LP-000-3010, Rev 1, shall be submitted.
4. (7) Hard copies or (1) electronic copy of the report summarizing the calculations and the results shall be submitted.

D. If The Item Has Been Previously Shock Qualified:

The request for approval shall include:  
Current purchase order/item number(s),  
NN Material Number(s),  
This coded note number,  
The report number/revision.

In the event the scheduled date for submittal cannot be met, the supplier shall provide a complete list of all documents and revisions to be used in advance of submittal. Full compliance to this submittal requirement is expected.

PRIOR APPROVED REPORT(S):

If prior approval has been obtained from NNS but the report number and revision **is not listed** on this purchase order, re-submittal of the report is not required. A request for extension of the previous approval shall be submitted and shall include the information detailed above and one (1) copy each of the navy/government approval letter, including Figure 19 and the shock test report.

NO SUBMITTAL REQUIRED:

If prior approval has been obtained from NNS and the report and revision **is listed** on this purchase order and there are no design changes, no additional submittal is required to satisfy this requirement. In this instance the supplier is authorized to perform work.

The above requirements do not relieve the seller of his responsibility to comply with the specification requirements of the purchase order.

Documents/extensions shall be submitted as follows:

SPARS (Shipbuilding Partners and Suppliers) enabled suppliers are required to submit through <https://spars.huntingtoningalls.com/ngcspars/Auth>

All other suppliers shall submit via:

e-mail to [pmo@hii-nns.com](mailto:pmo@hii-nns.com)

or

Newport News Shipbuilding

4101 Washington Ave.

Newport News, VA 23607

Attn: E45 Software Coordinator

Bldg. **902-2**

Click the following links for assistance in meeting the requirements of this coded note:

[Supplier Shock Extension Checklist](#)

[Supplier Heavy Weight Grade A Shock Test Report](#)

[Supplier Heavy Weight Grade B Shock Test Report](#)

[Supplier Light Weight Grade A Shock Test Report](#)

[Supplier Light Weight Grade B Shock Test Report](#)

[Supplier Medium Weight Grade A Shock Test Report](#)