

Coded Note Number: S2110

Revision: C015

Date: December 17, 2020

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 specify to the Newport News Shipbuilding sourcing representative with their quote or no later than (1) month after 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, including the results of the shock testing, post shock test inspection and any post shock test functional testing, 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, be indicated on the reports. Reports for approval are required 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 prior to testing, will be accepted for the shock test.
The following will be considered as non-Standard fixture by Newport News:
Any fixture used that is not described in MIL-S-901D and defined as a standard fixture; any alteration to the standard fixtures described in MIL-S-901D; the use of any intermediate plate, bracket or fixture between the standard fixture and the test item. Any of the above situations used separately or in combination is to be considered non-standard, until evaluated by Newport News and the NAVSEA technical authority on a case by case basis.
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.

This requirement may be satisfied by one of the following methods.

D. If The Item Has Been Previously Shock Qualified:

Include clearly marked on the submittal:

- a. This current purchase order/item number(s),
- b. NN Material Number(s),
- c. This coded note number,
- d. 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.

NOTIFICATION OF (UNLISTED) APPROVED/PENDING APPROVAL REPORT(S):

If previous approval has been obtained from NNS OR the report has been submitted and is pending approval from NNS but the report number and revision is not listed on this purchase order/item, re-submittal of the report is not required. Submit notification of the previous OR pending approval, including D. a. through d. above and the PO and item number of the previous submittal. For previously approved reports, also include the previous approval letter number/identification.

USE OF (LISTED) APPROVED REPORT(S):

If the report and revision used is listed on this purchase order/item, this requirement is satisfied, the supplier is authorized to perform work and no submittal is required.

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:

mail to:

Newport News Shipbuilding
4101 Washington Ave.
Newport News, VA 23607
Attn: E68 Software Coordinator
Bldg. 902-2

The following link contains assistance in meeting the requirements of this coded note.
http://supplier.huntingtoningalls.com/sourcing/doc_submittal_checklists.html

Revision History Table		
Rev	Description	Revision Date
C012	Change from Revision C011 is removing e-mail address submittal option.	7/17/2018
C013	<ol style="list-style-type: none">1. In <u>SHOCK REPORT SUBMITTAL</u> changed 'notify' to 'specify'.2. In <u>If Shock Testing Will Be Used To Qualify This Item</u> #3 added- navy prior to testing, will be accepted for the shock test.	2/8/19
C013	The following will be considered as non-Standard fixture by Newport News: Any fixture used not described in MIL-S-901D and defined as a standard fixture. Any alteration to the standard fixtures described in MIL-S-901D. The use of any intermediate plate, bracket or fixture between the standard fixture and the test item. Any of the above situations used separately or in combination is to be considered non-standard, until evaluated by Newport News and the NAVSEA technical	

	<p>authority on a case by case basis.</p> <p>Changed Mailing address to reference 'O52 Software Coordinator'</p>	
C014	Correction of paragraph 1.that did not occur on Revision C013.	2/19/19
C015	Revised: Mailing address- changed E45 to E68.	12-17-2020

This revision history is provided for convenience and does not alleviate the supplier's responsibility with understanding and complying with the full coded note.