

1	SEQUENCE NO	T13
2	DATA DESC	Request, Shock Test Extension
3	SUBTITLE	
4	DID NUMBER	T13A dated 8/17/01
5	CONTRACT REF	Purchase Order
6	TECH OFFICE	Follow Shipbuilder
7	DD 250 REQ'D	
8	APPRVL CODE	A
9	IAC INPUT	
10	FREQUENCY	
11	AS OF DATE	
12	DATE 1ST SUBM	60 DAPO. Submitted for each item or group of items proposed to be shock qualified by extension.
13	DATE SUB SUBM	14 DARC
14	DISTRIBUTION	FSB 6/0 BIW(LYS) 1/0
15	TOTAL	7/0
16	REMARKS	

DATA ITEM DESCRIPTION	2. Identification	
	Agency	Number
1. Title REQUEST, SHOCK TEST EXTENSION	BIW/LYS (DDG)	T13A
3. Description or Purpose Provides the data and information necessary to shock qualify equipment that is identical or similar to that previously approved as meeting the requirements of MIL-S-901.	4. Approval Date 8/17/01	
	5. Office of Primary Responsibility BIW D-40NSV	
	6.	
7. Application or Interrelationships Applies whenever qualification is required and extension of earlier shock tested design approval is desired.	8.	
	9. References (Mandatory as cited in Block 10) MIL-S-901 as Modified by Appendix S	
10. Preparation Instructions		
10.1 <u>Content</u> - The request shall contain the following information:		
10.1.1 Where the design and service of the new item is identical to that of a previously shock tested and approved item, or to an item which was previously approved on the basis of shock test extension, the request for approval of the new item shall include the following:		
<ul style="list-style-type: none"> a. A copy of the original shock test and post-test reports upon which the requested extension is based. b. Identification of the facility which conducted the test. c. A copy of the acceptance authority correspondence which conveyed approval of the previously extended item, if available. If not available, reference to the correspondence shall be provided. d. Evidence that all applicable requirements for shock test extension contained in 3.2.1 of MIL-S-901 have been met. e. The source of any modified (other than MIL-S-901) shock test extension criteria, if any; evidence that these criteria have been complied with; and an evaluation of the differences between these criteria and those of MIL-S-901. 		
10.1.2 Where the design or service of the new item is similar but not identical to that of a previously shock tested and approved item or where the intended orientation or installation differences cannot be shown to be negligible from a shock standpoint, the request for extension shall include the following:		
<ul style="list-style-type: none"> a. Detail drawings of the tested and untested items, and delineation of shipboard installations and orientation of the items. b. A copy of the original shock test report and post-shock test reports upon which the request for extension is based. c. A copy of the acceptance authority correspondence which conveyed approval of the previously tested item, if available. If not available, reference to the correspondence shall be provided. d. A detailed evaluation of the design, service, orientation, and installation differences as required by 3.2.1 or MIL-S-901 and 10.2 below. e. Applicable military specification and associated dates of issue for the original tested item. 		

- f. The source of any modified (other than MIL-S-901) shock test extension criteria, if any; evidence that these criteria have been complied with and an evaluation of the differences between these criteria and those of MIL-S-901.

10.2 Comparison The shock test extension request shall clearly identify all:

- a. Design and service differences between the new and previously shock tested item, including design differences introduced as a result of drawing revisions.
- b. Differences in shape, orientation, weight, and material composition of parts or assemblies and differences in fabrication or construction.
- c. Differences in critical clearances.
- d. Service related differences such as rated pressure or rated torque.
- e. Drawings of the new and originally tested items (marked up to point out design differences).

10.2.1 The extent of design differences covered by the request for extension, such as range of piping support sizes, may be identified in lieu of identifying all design differences for each item as long as this allows adequate evaluation of the effect of such differences.

10.2.2 For each difference (or range of differences) identified in 10.2 above, a comprehensive description of the methods, assumptions, and previous shock test evidence utilized by the Seller to establish compliance with all applicable shock test extension criteria specified herein shall be furnished.

10.2.3 The results of engineering calculations performed in support of these requirements shall be furnished. Engineering assumptions attendant to these calculations shall be stated if not implicit. In general, sufficient information shall be provided to permit the acceptance authority to repeat or check the Seller's calculations.

10.2.4 Differences in the material composition and material properties of importance to the evaluation shall be cited.

10.3 Format Requirement - The request shall be typed in the Seller's format on 8-1/2" x 11" sheets.