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DATA ITEM DESCRIPTION	Form Approved OMB No. 0704-0188

2. TITLE	1. IDENTIFICATION NUMBER
SHOCK QUALIFICATION DATA SHEET	DI-ENVR-80710

3. DESCRIPTION/PURPOSE

3.1 The Shock Qualification Data Sheet provides identification of the results of equipment shock qualification, status of qualification, method of qualification, and a record of the qualification. The report is used to record items shock qualified in accordance with the requirements of MIL-S-901 (NAVY) and NAVSEA 0908-LP-000-3010.

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
881121	SH		

7. APPLICATION/INTERRELATIONSHIP

7.1 This data item description (DID) contains the format and content preparation instructions for the Shock Qualification Data Sheet resulting from the work task described by 3.1.12 and 3.2.2 MIL-S-901 (NAVY) and by NAVSEA 0908-LP-000-3010.

7.2 This report applies whenever equipment is shock qualified in accordance with MIL-S-901 (NAVY), NAVSEA 0908-LP-000-3010, or when equipment identical to previously shock qualified equipment is used.

7.3 This data item description supersedes UDI-T-23761A.

8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		N4576

10. PREPARATION INSTRUCTIONS

10.1 Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

10 2 Content Requirements.

10 2.1 General. The following information shall be included in the shock qualification data sheet:

a. Item. This section specifically describes the item tested or otherwise shock qualified.

b. Manufacturer. This section shall include identification of the equipment manufacturer and address.

c. Model. This section describes the specific model of the item shock qualified including all applicable information regarding model numbers, serial number, type, etc.

d. Size/Capacity. This section states the applicable size, capacity, or both of the shock qualified item.

e. Drawing Number. This section identifies the manufacturers drawing number for the item shock qualified. If the item is covered by more than one drawing number then either the top level drawing number, a set of drawing numbers, or both should be referenced. Included with this shall be the actual revision and date of the revision to which the equipment was assembled.

f. Military Specification. This section identifies the military specification, if any, that the equipment was developed in accordance with.

g. Ship. This section iIdentifies the ship, ships, or ship classes that this equipment was shock qualified for.

11. DISTRIBUTION STATEMENT

A: Approved for public release; distribution is unlimited.

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Block 10, Preparation Instructions (Continued)

h. Service. This section identifies the intended service of the item to be qualified; i.e. high pressure steam, lube oil systems, electrical systems, etc.

i. Contract Number. This section identifies the U. S. Government contract number under which this equipment was procured and shock qualified.

j. Shock Test Facility and Report Number. This section identifies the following:

(1) For equipment shock qualified by test, the facility that conducted the shock test and the shock test facilities report number shall be identified. In addition the reference to any supplemental reports, including the post-shock test report, shall also be identified.
(2) For equipment shock qualified by shock test extension, the facility that conducted the shock test of the original equipment and the original equipment shock test report number shall be identified. Additionally the original post shock test report, any other supplemental reports, and the comparative analysis which substantiates the request for shock test extension shall be included.
(3) For equipment shock qualified by analysis, or extension based upon analysis, the identification of the activity that conducted the analysis and a reference to the analysis report shall be included. The report which documents the mathematical model utilized during the analysis shall also be identified. Furthermore if this request is based upon extension from previous analysis the report which substantiates the request for shock qualification extension shall also be identified.

k. Previous shock test approval reference. If the item is shock qualified based upon a request for extension, either shock test extension in accordance with MIL-S-901 (NAVY) or shock analysis extension in accordance with NAVSEA 0908-LP-000-3010, the previous shock qualification letter of approval shall be identified in this section.

l. Test Category. The category of shock qualification, either lightweight, medium weight or heavyweight as defined by MIL-S-901 (NAVY), or analysis in accordance with NAVSEA 0908-LP-000-3010, shall be identified.

m. Shock Grade. The shock grade of the equipment as defined by MIL-S-901 (NAVY) shall be identified.

n. Equipment Class. The class of the equipment as defined by MIL-S-901 (NAVY) shall be identified.

o. Shock Test Type. The shock test type as defined by MIL-S-901 (NAVY) shall be identified.

p. Mounting Location. The mounting location as defined by MIL-S-901 (NAVY) for shock tested equipment or by NAVSEA 0908-LP-000-3010 for equipment qualified by analysis shall be identified.

q. Shipboard mounting plane represented during shock test. If the equipment is shock qualified based upon either shock test or shock test extension the mounting plane that was represented during the test shall be identified. The mounting options include:
(1) Base
(2) Top
(3) Front or face
(4) Combination
(5) Back
(6) Other, specify the mounting orientation represented during the test.

r. Mounting orientation of item relative to ship's fore-and-aft axis. For those items shock tested as medium weight or heavyweight the mounting orientation of the item relative to the ship's fore-and-aft axis should be specified.

s. Remarks/Approval Limitation. Any pertinent remarks or limitations of the shock qualification shall be included within this section of the data sheet.

t. Approval. The complete reference to the Government's letter of approval shall be noted herein.

10.2 Documentation requirements. Complete copies of shock test reports, requests for shock test extension, mathematical model reports, dynamic analysis reports, and any other supporting documentation shall be maintained to verify the data included within the shock qualification data sheet. Additionally copies of all Government approval letters shall be maintained. Copies of Shock Test Acceptance Information form, Figure 19 of MIL-S-901 (NAVY) shall also be maintained.

10.3 Format requirements. The shock qualification data sheet shall be typed in the contractor's format on 8 1/2" x 11" sheets (metric size A4).