



DEPARTMENT OF THE NAVY  
NAVAL SURFACE WARFARE CENTER  
CARDEROCK DIVISION

NAVAL SHIP SYSTEMS  
ENGINEERING STATION  
PHILADELPHIA, PA 19112-5083

9072 UNCLASSIFIED  
Ser 625/102  
[JUN 08 1998]

QualTest Incorporated  
5325 Old Winter Garden Road  
Orlando, FL 32811

Attn: Mr. Mel Bailey

Subj: LIGHTWEIGHT SHOCK TEST MACHINE CERTIFICATION

Reference: (a) NAVSEA Instruction 9491.1C; Location of Approved  
HI (High Impact) Shock Testing Facilities;  
dated 21 Mar 96  
(b) CDNSWC Letter 9072, Ser 625/151; dated 6 Sep 96  
(c) QualTest Incorporated Letter, Lightweight Hammer  
Shock Machine Certification; dated 24 Apr 98  
(d) BUSHIPS Dwg. No. 10-T-2145-L, Alt. 13 Class HI  
Shock Testing Machine for Lightweight Equipment;  
8 Feb 1961

Dear Mr. Bailey;

Military Specification MIL-S-901 requires that shock testing be conducted on approved shock test machines. These machines are identified in reference (a).

The Carderock Division, Naval Surface Warfare Center (CDNSWC) conducted a certification inspection of the Lightweight Shock Machine (LWSM) located at QualTest Incorporated in Orlando, FL on 29 Aug 96. CDNSWC deferred certification approval pending resolution of comments contained in reference (b). QualTest addressed the CDNSWC comments and provided CDNSWC with additional information and photographs documenting corrective actions in reference (c).

Based on the certification inspection and information provided in reference (c), the LWSM located at QualTest Incorporated in Orlando, FL is approved for MIL-S-901 shock testing effective on the date of this letter.

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Approval of the LWSM is subject to periodic inspection by the Navy and requires review if the LWSM is modified or moved to a new location. Approval applies only to the technical compliance with the requirements of reference (d). Other issues such as operation, safety, environmental impact, etc. are not addressed.

The point of contact is Mr. Domenic Urzillo, CDNSWC 625, (215) 897-1277.

A handwritten signature in black ink, appearing to read "E. Duncan". The signature is stylized and written in a cursive-like font.

E. Duncan  
Hd, Ship Survivability and  
Structural Integrity Branch

Copy to:  
NAVSEA 03P3 (R. Bowser)