Department of the Navy
MIL-PRF-24758A (SH)
Qualification Approval Letter

DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
1333 ISAAC HULL AVE SE
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO
2450
Ser 62/050
28 Nov 06

From: Director, Force Test, Assessment and Readiness Engineering Division
To: Program Executive Office, Ships (PMS 400D)
ATTN: Mr. J. O'Shaughnessy
1333 Isaac Hull Ave SE, Washington Navy Yard, DC 20376

Subj: APPROVED EMI/EMP CONDUIT SYSTEMS FOR USE ON TOPSIDE INSTALLATIONS

Ref: (a) SEA 62 Memorandum 2450 Ser 06/021 of 29 Jan 04
(b) SEA 62 Letter 2450 Ser 06/055 of 18 Nov 05

Encl: (1) Consolidated Glenair MIL-PRF-24758A Test Report QTR M24758 of 25 Apr 06
(2) Lothar O. Hoeft, PHD, Report, "Foranne MIL-PRF-24758A Conduit Assembly Surface Transfer Impedance Test" of 5 Jul 06 and as revised, 27 Aug 06

1. Reference (a) provided SEA 62E technical review of the Glenair, Inc "First System" conduit testing and documentation with regard to its equivalency to the Entraco "Sea-FROST™" conduit and Termination System. SEA 62E's technical assessment was that the Glenair "First System" product was mechanically and electrically equivalent to the Entraco "Sea-FROST™" system. Subsequently, in response to the issuance of MIL-PRF-24758A(SH), Glenair developed a MIL-PRF-24758A product line. Test and inspection results were provided in enclosure (1).

2. Reference (b) provided the SEA 62E technical review of the Foranne Manufacturing, Inc conduit and components test reports as compared to the MIL-PRF-24758A requirements and recommended that additional testing be conducted to meet the performance requirements of MIL-PRF-24758A. The results of this additional testing were provided in enclosure (2).

3. SEA 62E, the technical warrant holder for EMI Control, EMC, EMP and RADHAZ for ships and submarines, has completed a detailed technical review of enclosures (1) and (2). Based on this review and the previous review noted in reference (b), it is SEA 62E's assessment that the Foranne Inc "Shield Right" and the Glenair MIL-PRF-24758A products tested meet the performance requirements of MIL-PRF-24758A and are considered acceptable to

© 2013 Glenair, Inc.

Subj: APPROVED EMI/EMP CONDUIT SYSTEMS FOR USE ON TOPSIDE INSTALLATIONS

use for EMI/EMP control on topside installations onboard US Navy ships.

3. SEA 06 will provide this information to the Fleet and its support activities via Naval message. This message will also reiterate the policy that only rigid conduit and conduit systems that meet the performance requirements of MIL-PRF-24758A are approved for topside use in new ship construction, new installations, overhauls and modernization.

4. The SEA 06 point of contact is Mr. D. Mark Johnson, SEA 62E, Commercial (202) 781-3140 or DSN 326-3140. His lead engineer for MIL-PRF-24758A is Mr. Neal Stetson, NSWC Dahlgren Code Q504, (540) 653-3470 or DSN 249-3470.

VANCE A. BRAHOSKY

Copy to:
Commander, Space and Naval Warfare Systems Command (SPAWAR), San Diego, CA (w/o Enclosures)
PEO SHIPS, Washington, DC (PMS 400D/J, Odum, R Popp, SHIPS F1/ S. Brown, SHIPS FRC/E. Littig) (w/o Enclosures)
PEO IWS, Washington, DC (IWS1C/LT M. Shine) (w/o Enclosures)
PEO CARRIERS, Washington, DC (w/o Enclosures)
PEO LMW, Washington, DC (CHENG/P. Hagan, PMS 495/G. Humes, CAPT J. Spitz, K. Haas) (w/o Enclosures)
PEO C4I and SPACE, San Diego, CA (w/o Enclosures)
Commander, NSWC Dahlgren, Dahlgren, VA (Code Q504/N. Stetson, Code Q54/G. Winters)
Commander, NSWC Dahlgren, Dahlgren, VA (R. Zanella (for STAN Data Base)) (w/o Enclosures)
Northrop Grumman Ship Systems, Washington DC (N. Buffler) (w/o Enclosures)
Glenair Inc, Glendale CA (D. Holden) (w/o Enclosures)
Foranne Manufacturing Inc, Ivyland PA (M. Magness) (w/o Enclosures)
GDIT, Washington DC (M. Craig, A. Church) (w/o Enclosures)
GDIT, Dahlgren VA (B. Ayers) (w/o Enclosures)

© 2013 Glenair, Inc.