

Zones & SOW Functional Area(s) supported: All; 3.3, 3.11, 3.19	Contract # and Value: N65540-96 - D-0005; \$11,000,000	Company: George G. Sharp, Inc.	DOC: On going GOVT POC: R. Shuster (215)897-7767
<p>Specific Experience: Sharp provided engineering and technical support services to develop and prepare Machinery Alteration (MACHALT) Integrated Logistics Support (ILS) Packages. These MACHALT kits contain detailed installation instructions complete with illustrations, list of tools required for installation, and spare parts information in accordance with DOD-STD-2140. These kits also include interim change pages for affected technical manuals, Maintenance Requirements Costs, Maintenance Index Pages, Technical Repair Standards, Engineering Operational Sequencing Systems, and Allowance Parts Lists.</p> <p>Sharp also provided material and services to accomplish alterations and modifications to hull and deck equipment for all types of naval ships (including aircraft carriers, surface ships, and submarines) on sites throughout the Continental United States and foreign ports. We provide Alteration Installation Teams (AITs) to accomplish alterations to shipboard systems and equipment including, Title "D" and "K" ship alterations, TYCOM Initiated Alterations (TIAs), MACHALTs, Ordnance Alterations (ORDALTs), Planning Yard Work Instructions (PYWIs), concept studies, Engineering Change Proposals (ECPs) and Field Changes (FCs). The equipment and systems affected include Hull, Mechanical and Electrical (HM&E) equipment and systems, with greatest concentration in the area of mechanical systems/ equipments, including piping, generator, main propulsion, underway replenishment, CHT, HVAC, Elevators, HP & LP Air, fire fighting, environmental, corrosion control, gear and clutch, main shaft, boiler, combustion, combat support systems and auxiliary machinery, CO₂ Fixed Flooding System, Halon, Hydrazine, Fire and Flooding Alarms, Constant Tension Winch, Conveyers, H₂S Alarms, Hyperbaric Piping Systems, Pollution Abatement, Waste Management, AFFF Modifications, Seawater Service and Distilling Pumps.</p> <p>As an example, Sharp provided engineering and design support for the MACHALT which modified and installed a new dehydrator tower on designated navy ships. As a result of NSWCCD-SSES Philadelphia testing of the tower, Sharp determined requirements to improve the operation and logistic support requirements for the dehydrator. The work included: modification of drawings; piping changes; foundation drawing development; developing system drawings for after-filter differential pressure gage piping and for new purge flow switch piping; developing assembly drawings; and developing a maintenance and logistics support philosophy.</p> <p>Upon completion of the design, Sharp provided assistance to the on-site Field Services Representatives, world-wide, in managing and coordinating the installation of the MACHALTs, to provide Q/A of procedures, technical ILS documents and to act as the In-Service Engineering Agent representative to ships for auxiliary equipment and fluid systems.</p> <p>An ISO 9001/2000 certified company, Q/A is an integral part of the work environment at Sharp. As such, standard procedures have been developed and are continuously</p>			

monitored and, if need be, are improved upon. Q/A is an integral part of the AITs process under this contract. Work is performed using developed standard procedures and checked at various designated checkpoints through to job completion and customer sign off. Alteration kits are prepared for efficient and timely alteration installation and moved to warehouses for further distribution to ships.

Sharp provides necessary management, technical services, Q/A, labor, material, support services, and equipment to accomplish the installation of habitability alterations onboard US Navy vessels and other military type vessels on the West Coast. These alterations involve all habitability spaces such as berthing, sanitary, messing, food preparation, laundries, and other personnel service facilities and all ship systems, which directly support human habitation. For all deck repairs and/or replacements, contractor personnel perform all of the installation and ship's force provides helpers for mixing and or manhandling materials. Sharp accomplishes the planning and execution of habitability alteration installations. This effort includes ordering, storing and staging material, dismantling and removing material, and disposal of waste, including hazardous waste, in conformance with EPA and DOT requirements as articulated in the Code of Federal Regulations. Tasks include installation of furniture, furnishings and equipments, modification/installation of electrical systems, piping systems, ventilation systems and decking systems. Sharp also provides over 110,000 square feet of general purpose warehouse space, material handling equipment and licensed operators, for stowage, staging and distribution of program material. Sharp also provides warehousing support for the COMNAVAIRLANT warehouse, the COMNAVSURFLANT Rotable Pool Material and the Fleet Ready Resource Material Program.