

The Non-Developmental Item (NDI) Program Mission is to enhance Fleet safety, survivability, and efficiency through the use of commercially available “off-the-shelf” NDI systems and products.

NDI - The Program - The Pacific Fleet Non-Developmental Item (NDI) Program mission is to identify, evaluate, and assess Commercial-Off-The-Shelf (COTS) systems which enhance fleet safety, survivability, and efficiency. The process is straight forward. First, fleet Sailor input focuses our attention on products that Sailors want most. We then leverage manufacturer support for fleet operational assessments using the potential of large future markets. Systems, training, spare parts, and installation are provided to Sailors and Marines at no-cost in exchange for their complete, accurate, and comprehensive feedback. Co-sponsored by the Assistant Secretary of the Navy (Safety & Survivability) and CINCPACFLT N43, the program embraces acquisition reform and free market concepts. The focus is on results. Operating on a very low budget, the process provides an avenue by which our war fighters can directly influence the selection of systems and equipment that they use. Priority is given to products that save lives, improve work environment, or automate processes.

Life cycle costs, return on investment, logistics, and quality of life are contributing factors in the assessment process. Sailors and Marines are urged to forward their requests for NDI program support through their chain of command to Fleet Technical Support Center, Pacific, Code 300AB. Assessment participation by the originating command is assumed. Products that are successfully assessed and fulfill a requirement will be recommended to receive a Qualification Requirement (QR). The QR authorizes fleet procurement and use in accordance with the Federal Acquisition Regulation (FAR).

Ceramic Insulation Coating - Now under assessment onboard USS Rushmore (LSD 47), USS Harper Ferry (LSD 49), USS Pearl Harbor (LSD 52), USS Bonhomme Richard (LHD 6), and USS Constellation (CV- 64) Temp-Coat brand ceramic coating system applies like paint to provide a thermal barrier on metal surfaces. Made with microscopic air filled ceramic beads, Temp-Coat may help reduce surface substrate temperature by as much as 20 Deg F for every 15/1000 inch of product coating. Preliminary assessment onboard LHD 6 indicates superior performance in eliminating condensation and chronic sweating problems on A/C vent ducting and bulkheads between AC and non-A/C spaces. Temp-Coat applies like latex paint with either a brush, roller, or sprayer and can be reapplied



Temp Coat applications onboard USS Bonhomme Richard (LHD 6) (top) and USS Rushmore (LSD 47) (bottom) include bulkheads, overheads and ducting.

and built-up to obtain the desired thickness and thermal properties. Initial feedback indicates training and application experience is required. Temp-Coat is economical to use and in some cases costs 50% less than conventional lagging methods and materials. Temp-Coat contains no Volatile Organic Compounds (VOCs), can be easily repaired, weighs less than 6 pounds per gallon, and provides good corrosion protection.

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