**Preliminary - For Review Only**

NAVSEA
STANDARD ITEM

FY-06

ITEM NO: 009-23
DATE: 29 JUL 2004
CATEGORY: I

1. SCOPE:

1.1 Title: Interferences; remove and install

2. REFERENCES:

2.1 Standard Items

2.2 S9086-RK-STM-010/CH-505, Piping Systems

2.3 S9086-VG-STM-010/CH-634, Deck Coverings

3. REQUIREMENTS:

3.1 Do not remove components from the following systems as interferences, except when the scope of work requires repairs to components of these systems or when specified in the Work Item:

3.1.1 Main steam and catapult systems

3.1.2 Gaseous oxygen piping systems which operate at pressures higher than 100 PSIG, liquid oxygen piping from oxygen plant to the liquid oxygen charging carts, and the overboard drain piping from the liquid oxygen storage plant and spillage drain

3.1.3 Degaussing systems

3.1.4 Electric cables which cannot be removed without cutting

3.1.5 Hydraulic systems

3.1.6 High pressure air systems. High pressure air systems are those systems designed for pressures of 1000 PSIG or greater.

3.1.7 Life support systems

3.1.8 Cryogenic systems

3.1.9 Spring hangers

3.1.10 Ship's strength members involving structural integrity

3.1.11 Halon systems

3.1.12 LEVEL I systems

3.1.13 Sonar dome pressurization system

3.1.14 Passive countermeasure materials

3.1.15 Ballistic plating - DDG-51 Class only

***3.1.16 Waveguides***

3.2 Submit one legible copy, in hard copy or electronic media, of a report of components of the systems listed in 3.1 that must be removed as interferences and the work is not required by the Work Item, to the SUPERVISOR. The report shall list the following information:

3.2.1 Identification of the item to be removed or disturbed

3.2.2 Necessity for the action

3.2.3 Protective measures which will be taken to protect equipment from damage or contamination

3.2.4 Alignment procedures and details for tests which will be accomplished to verify acceptability after reinstallation

3.3 The SUPERVISOR will review and respond to the report required by 3.2 and if removal of the components is approved, an appropriate change to the Work Item will be prepared.

3.4 Visually examine interferences prior to and during removal for previous damage and deterioration.

3.4.1 Submit one legible copy, in hard copy or electronic media, of a report listing previously damaged and deteriorated interferences to the SUPERVISOR within five working days after removal.

3.5 Material containing asbestos which requires removal as an interference shall not be reinstalled.

3.5.1 Submit one legible copy, in hard copy or electronic media, of a report listing location and system identification of asbestos removed and non-asbestos installed which has not been identified elsewhere in the Job Order, to the SUPERVISOR.

3.6 Remove interferences.

3.6.1 Protect interferences from damage or loss and prevent contamination of removed components and remaining parts of the system.

3.6.2 Install identification tags on interferences to indicate the ship's name, hull number, location, and work item number prior to removal from system or shipboard location. Tags must endure repair process.

3.7 Reinstall interferences.

3.7.1 Install interferences which were neither reported as previously damaged or deteriorated nor rendered unsuitable for reinstallation during removal.

3.7.2 Install interferences reported in 3.4.1 in the as-found condition or after authorized repairs have been accomplished.

3.7.3 Install new material in place of material rendered unsuitable for reinstallation during removal or storage.

3.7.3.1 New material shall be equal in composition, strength, design, type, and size as existed prior to removal of the interferences.

3.7.4 Accomplish the requirements of 009-12 of 2.1.

3.7.5 Accomplish the requirements of 009-71 of 2.1 for non-mechanical joints.

3.7.5.1 Test pressure and test medium shall be in accordance with 2.2.

3.7.6 Accomplish the requirements of 009-37 of 2.1.

3.7.7 Install new insulation and lagging in place of that removed as interference.

3.7.7.1 Install new reusable covers except when reinstallation of existing reusable covers is listed in the invoking Work Item.

3.7.7.2 Accomplish the requirements of 009-11 of 2.1.

3.7.8 Install new silicone coated aluminized cloth spray shields on mechanical joints and components in accordance with ASTM F1138 in place of those removed as interference.

3.7.9 Install new fasteners and gaskets in accordance with Section 5 of 2.2, when reinstalling interferences.

3.7.10 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces.

3.7.11 Restore compartment, equipment, and systems labeling.

3.7.12 Install new deck covering in place of that removed or damaged as interference in accordance with 2.3.

3.7.12.1 New material shall be equal to existing in color and composition.

(V)(G) "STRENGTH, TIGHTNESS, AND OPERATIONAL TESTS"

3.8 Align and accomplish appropriate strength, tightness, system cleanliness, and operational tests and ensure that the reinstalled interferences perform their normal functions within the system.

3.8.1 Tests shall be listed in the contractor's inspection system.

4. NOTES:

4.1 An interference is any part of a ship, whether installed or portable, that must be moved or disturbed in the accomplishment of work specified in the Job Order.