

SOUTHEAST REGIONAL MAINTENANCE CENTER
LOCAL STANDARD ITEM

FY-19

ITEM NO: 099-77SE
DATE: 19 FEB 2013
CATEGORY: II

1. SCOPE:

1.1 Title: Requirements When Accomplishing Shipboard Work Using a Government Installed Cofferdam; accomplish

2. REFERENCES:

2.1 Standard Items

3. REQUIREMENTS:

3.1 Coordinate the installation, oversight, maintenance and removal of the Government installed cofferdam with contractor's work.

3.2 Accomplish the requirements of 009-09 of 2.1 for the installation, controls, removal and conduct of work. The PCP shall include the following additional information and requirements:

3.2.1 SERMC Formal Work Package (FWP) number for the cofferdam being installed.

(V) (G) "LEAK TEST"

3.2.2 Verification of cofferdam tightness prior to initiating removals affecting watertight integrity.

3.2.3 Communication plan that includes the following as a minimum:

3.2.3.1 Provision for notification to the SERMC Project Manager 24 hours prior to requiring removal of the cofferdam.

3.2.3.2 Provision for notification to SERMC Divers prior to job starts and stops.

3.2.3.3 Written statement that Ship's Force is responsible for an on-site Emergency Flooding Plan, which includes additional emergency dewatering equipment that shall be operationally ready before commencing work and available for the entire time single valve protection is in place when single valve is authorized.

3.2.3.4 Provision for verification of dewatering equipment readiness prior to commencing work.

3.2.3.5 Provision to ensure cognizant personnel have direct knowledge of the requirements before starting the process including a pre-job safety brief.

3.2.3.6 Provision for and verification of mandatory two-way communications between the SERMC Divers, Ship's Force and contractor.

3.2.3.7 Provision for verification that monitoring watertight integrity by cognizant personnel (e.g., SERMC Divers or Ship's Force) with dewatering equipment secured and while providing single valve protection at intervals no greater than every 7 days for patches has been established.

3.2.3.8 Provision for verification that the SERMC Divers are on standby to reestablish watertight integrity of the cofferdam or until successful reinstallation of the component or completion of the repair has been established.

3.2.4 Provision for posting safety precautions and warning signs and description of each of the following (e.g., figure, sketch, etc.):

3.2.4.1 Warning sign posted at Quarterdeck to space that contains the system impacted by the PCP.

3.2.4.2 Warning sign posted at entrance to space that contains the system impacted by the PCP.

3.2.4.3 Warning sign posted at seawater supply manifold (educter), if applicable. (See 4.2)

3.2.4.4 Warning sign posted at deck edge in way of support rigging, if applicable. (See 4.2)

3.3 When single valve is authorized by the Ship's Commanding Officer, Attachment A shall be utilized to establish single barrier controls, communication, and notification.

3.3.1 Single valve evolutions (start and complete) shall be accomplished between the hours of 0700 and 1500 weekdays unless requested by the contractor in writing and approved by the SUPERVISOR. Repairs requiring extensions will be required to work around the clock until complete.

3.4 This Local Standard Item takes precedence over 009-77 of 2.1 when invoked.

4. NOTES:

4.1 The FWP will be made available for review upon request from the SUPERVISOR.

4.2 Warning signs at seawater supply manifold and deck edge are to be turned over to Government dive team for installation and returned to the contractor upon completion of the evolution, if requested.

4.3 This Standard Item does not imply authorization of single valve protection. Single valve authorization can only be made by the Ship's Commanding Officer, case by case, based on specific conditions at the time of execution. Contractor should consider all jobs to require double valve protection when submitting proposals.

**ATTACHMENT A
AUTHORIZATION FOR SINGLE VALVE ISOLATION**

Date _____

Subj: PROVIDE NOTIFICATION OF SINGLE VALVE ISOLATION REQUIREMENT AND PROVIDE PRECAUTIONARY PROCEDURES TO BE EMPLOYED DURING REPAIRS/ALTERATIONS TO SEA-CONNECTED SYSTEMS.

1. The procedures involved in this repair/alteration will subject the affected area to a flooding hazard during the time the repair is being accomplished. The purpose of this notification is to outline the responsibilities for precautionary measures placed upon the contractor and the ship while the repairs/alterations are in progress.
2. System: The repairs/alterations to be accomplished to the following system:

_____Component/Space _____

3. Prior to Commencing work, the contractor shall provide:
 - a. A procedure, in accordance with the requirements of SERMC Local Standard Item 099-77SE, has been developed and approved by the SUPERVISOR (Copy Attached).
 - b. The sequence of repairs to be accomplished, including drawings of the system and valve locations. The proposed system isolation must be discussed and mutually agreed upon between the ship, SUPERVISOR, and the contractor.
 - c. Identify possible hazards of single valve isolation failure. _____
 - d. Expected start _____ and completion _____ for single valve isolation evolution.
 - e. Watertight boundaries have been defined, sighted, tagged out and verified. _____
4. During the period of this repair, the following minimum precautions are required:
 - a. Ship's Supervisor, E-7 or above, must be present to verify single valve isolation and breaking of pressure boundary.
 - b. Ship's Force will provide a watch on the affected system and monitor for leaks, etc.
 - c. Ship will maintain appropriate state of damage control readiness.
5. See attached drawing of system and valve locations.

Ship's SRA Coordinator

Engineering Officer

Commanding Officer/approval

SRO/PMO (Notification made to Waterfront Operations Officer)

(Held on site for SBS Review)