

**TECHNICAL INSTRUCTION  
SEAPORT E CONTRACT  
Task Order N00178-07-D-5054-EHP1**

Date: 04 October 2010

From: Joe Caracciolo, Code 951  
To: ESRG Government Services, LLC

Subj: TECHNICAL INSTRUCTION FOR TASK ORDER N00178-07-D-5054-EHP1-005

Ref: (a) SEAPORT e TASK ORDER N00178-07-D-5054-EHP1-005

In accordance with reference (a), this Technical Instruction (TI) authorizes you to provide the following technical services:

**1. Task Description:**

Design, develop, and test the following modules of the eRM system based on the Collaborative Phase requirements specified in MLR DOORS Extraction 2010-08-13 (see attached file), which contains requirements for the Kernel and Collaborative Phases. A number of requirements were deferred from the Kernel phase to the Collaborative phase during Kernel Phase development, and those requirements will also be in scope for this effort. The effort to integrate the user management code from a third party will be included in this effort. Support of SSES integration and configuration management efforts is included in this scope. Engineering services to support the HM&E EKB design, development, and testing is part of this scope. The following modules are part of this scope:

eRM Database Manager	This module will provide the means to manual and automatically manage the data in the shipboard database. This includes Data Extraction and data archiving
IE Design Tool	This module is the secondary configuration tool focused on the creation of rules and IPARs in the Intelligence Engine.
Application API	This module will provide access to eRM data for the logsheets
Viewers	This module will provide the remaining GUIs for eRM data.
Curve Editor	These requirements allows for configuration of curves in the IE Design Tool
Intelligence Engine	This module will provide the automated maintenance request message
Remote Monitoring Unit	This module allows for packaging of data for transport to Distance Support
IPAR	This module will provide the shipboard IPARs
eRM Maintenance Manager	This module will provide the user management

2. **Deliverables:**
- 3.2.1 eRM Database Manager
  - 3.2.2 IE Design Tool
  - 3.2.3 Application API
  - 3.2.4 Viewers
  - 3.2.5 Curve Editor
  - 3.2.6 Intelligence Engine
  - 3.2.7 Remote Monitoring Unit
  - 3.2.8 IPAR module
  - 3.2.9 eRM Maintenance Manager
  - 3.3.0 User Management
  - 3.3.1 eRM v1.5 as part of eRM v2.1

The period of performance for this TI is 270 working days.

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