Salt Fog Corrosion Test Chambers

1.0 Background and Objectives

NSWCCD Code 613 performs research and development in the areas of coatings and corrosion mitigation. Code 613 provides engineering and technical support to the United States Marine Corps as well as other Department of Navy entities. As part of Code 613 mission, the requirement exists to procure equipment to conduct cyclic accelerated corrosion testing to support the Fleet and Warfighters mission readiness and to protect equipment and ships positioned in corrosive environments.

The objective of this contract is to procure three (3) Salt Fog Corrosion Test Chambers in support of 613's mission to conduct research and development in the areas of coatings and corrosion mitigation technologies and processes.

2.0 Minimum Requirements

The three (3) systems to procure through this contract have the following minimum requirements each:

1. [Quantity 2] – Model 22 Salt Fog Chamber

- 30 cubic feet of internal test exposure zone with minimum dimensions of 45 inches x 30 inches x 38 inches.
- 55 Gallon Solution Tank
- Ability to perform ASTM B117, ISO 9227 and MIL-STD-810 corrosion tests
- Full view acrylic lid for sample viewing during test
- Operating Electrical requirements of 240 volts/3-phase/60 Hertz

2. [Quantity 1] – Model 21 Salt Fog Chamber

- 20 cubic feet of internal test exposure zone with minimum dimensions of 29 inches x 30 inches x 38 inches.
- 55 Gallon Solution Tank
- Ability to perform ASTM B117, ISO 9227 and MIL-STD-810 corrosion tests
- Full view acrylic lid for sample viewing during test
- Operating Electrical requirements of 240 volts/3-phase/60 Hertz

3.0 Performance and Delivery

Delivery Shall Be FOB Destination