

DATA ITEM DESCRIPTION

Title: ENVIRONMENTAL STRESS SCREENING PROCEDURES AND IMPLEMENTATION PLAN

Number: DI-ENVR-81014A

AMSC Number: 9813

DTIC Applicable: No

Preparing Activity: MI

Applicable Forms: N/A

Approval Date: 20170531

Limitation: N/A

GIDEP Applicable: No

Project Number: ENVR-2017-006

Use/relationship: This Data Item Description (DID) describes the overall Environmental Stress Screening (ESS) plan, as developed after required studies. This document will be used by the procuring activity for review, approval, and evaluation of the contractor's ESS program.

- a. This DID contains the format, content, and intended use information for the data deliverable resulting from the work task described in the solicitation.
- b. This DID supersedes DI-ENVR-81014.

Requirements:

1. Reference documents. None.

2. Format. The ESS Procedures and Implementation Plan format shall be contractor selected. Unless effective presentation would be degraded, the initially used format arrangement shall be used for all subsequent submissions.

3. Content.

3.1. The ESS Procedures and Implementation Plan shall identify and describe planned contractor activities for implementation of ESS requirements of the contract.

3.2. The ESS Procedures and Implementation Plan shall contain a complete listing of all tests to be conducted for the primary purpose of obtaining data for use in the evaluation of the contract item or any constituent elements thereof. The test plan shall include the following:

- a. Test objectives and requirements of each test.
- b. Test item configuration description and quantity to be tested.
- c. Test conditions, environmental, operational and performance profiles, and the duty cycle.
- d. Test schedules and milestones, including the test program review schedule.
- e. Test conduct ground rules, failure criteria, and interface boundaries.

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- f. Test facility and equipment descriptions and requirements, including provisions for monitoring input voltage, temperature, and vibration.
- g. Government Furnished Property requirements and impact.
- h. Limited life items.
- i. List of test reports to be issued.
- j. Failure recurrence control system to be used to ensure corrective action.
- k. List of test procedures required.
- l. Specific contractor/procuring activity organizational element with respective authorities and responsibilities for implementation of testing as mutually agreed to and approved by the procuring activity.
- m. Planned man-loading for the test and associated activities.
- n. The identity of each candidate item at each indenture level to which ESS will be applied utilizing a Quality Engineering Planning List.
- o. The methods and procedures to be employed in determining and validating the ESS requirements for each candidate item including thermal and vibration surveys.
- p. Data collection procedures.
- q. Failure analysis techniques and corrective action plans.
- r. Methods for evaluating effectiveness and efficiency of the screens.
- s. A plan for implementing the procedures.

End of DI-ENVR-81014A.