

DATA ITEM DESCRIPTION

Title: Destructive Physical Analysis Plan

Number: DI-QCIC-81706

Approval Date: 24 NOV 2006

AMSC Number: 7660

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: NS/I5231

Applicable Forms: N/A

Use/Relationship:

The Destructive Physical Analysis plan identifies in detail how the contractor will establish sampling, acceptance, and rejection criteria for DPA of parts for use in high reliability spacecraft equipment.

This Data Item Description (DID) contains the format and content preparation instruction for the data generated by the specific and discrete task requirements as delineated in the contract. Refer to MIL-STD-1580(B)1, "Destructive Physical Analysis (DPA) for Electronic, Electromagnetic, and Electromechanical Parts," (entire document) for further guidance on the part types subject to DPA.

Requirements:

1. Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as cited in the current issue of the DODISS at the time of the solicitation.
2. Format. The Destructive Physical Analysis plan shall be in the contractor's format.
3. Content: The Destructive Physical Analysis (DPA) plan shall contain the following:
 - 3.1. Lot sampling technique. Describes the method of conducting the lot sampling for each device type.
 - 3.2. Lot acceptance criteria. Describes the acceptance criteria that will be applied against each device type.
 - 3.3. Lot rejection criteria. Describes the rejection criteria that will be applied against each device type.
 - 3.4. Sample storage. Describes how the DPA samples will be identified for retention and how and where the samples will be stored throughout the duration of the contract.

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3.5. Photographs. Describes the information that will be contained in the photographs taken of each lot sample in order to properly match the photographs to the DPA sample concerned.

4. END OF DI-QCIC-81706