1. (normative)  
   NDT plan - DRD
   1. DRD identification
      1. Requirement identification and source document

This DRD is called from ECSS-Q-ST-70-15, requirement 5.1f.

* + 1. Purpose and objective

The purpose of the NDT plan is to have a detailed plan of the NDT method chosen for a part to be tested.

In the case the customer identifies opportunities to tailor the NDT plan, Annex A.2.2 describes the potential tailoring and reduction of the documentation effort.

* 1. Expected response
     1. Scope and content

An NDT plan shall be developed which addresses the following as a minimum:

Applicable specifications and standards;

Calibration artefact traceability;

Inspector training, qualification, and certification;

NDT responsibility;

Method selection, qualification, application, and process control;

Description of procedure to demonstrate robust process parameters, working operation field;

Acceptance criteria including minimum detectable discontinuity size;

Application of requirements during manufacturing, maintenance, and operation including maximum acceptable discontinuity size;

NDT applied to safe life PFCI;

NDT applied to structural parts;

Standard fracture control NDT selection, application, and control;

Special fracture control NDT selection, application, and configuration control.

* + 1. Special remarks
       1. Overview

The main objective of the NDT plan is to establish how the contents of the standard can be met. In some cases, where the customer determines that a supplier has sufficient heritage and experience in control of NDT processes, it is possible to tailor the content of the required NDT plan.

Tailoring includes reducing the effort required to generate new documentation, such as using other types of existing documentation to ensure the traceability of the training of the supplier and work to be done. Examples of other documents that can be used include: Minutes of Meeting, written practices, internal instructions or documentation from inspections done on similar products and programmes and test and documentation requirements in Product Assurance documents.

* + - 1. Requirements

The tailoring of NDT plan shall contain the minimum requirements specified in A.2.1.

Tailored NDT plan specified in A.2.2.2a may be requested by the customer.