1. (normative)  
   Verification programme report - DRD
   1. DRD identification
      1. Requirement identification and source document

This DRD is called from ECSS-Q-ST-70-38, requirement 14.1a.

* + 1. Purpose and objective

The purpose of the Verification programme report DRD is to detail the requirements for the documentation of the verification programme.

* 1. Expected response
     1. Scope and content

The verification programme documentation shall contain as a minimum the following:

Indication of method of the assembly:

The soldering method and repair methods

PCB information:

PCB material and manufacturer

PCB footprint surface finish

Number of layers

Thickness

Built up with identification of signal and full copper plane

Connection of the footprints to the internal layer representative of the FM

Location of the devices on the PCB

Location of the mechanical fixation or stiffeners if any

Number of PCB used for the verification programme.

Materials used

Solder paste and wire designation, commercial trade mark, and composition with associated flux class

Flux class used for pretinning and soldering

Conformal coating

Adhesive for mechanical, and for thermal

Solvent

Others.

List of devices

Environmental test conditions and facility

Verification method Microsection or Electrical monitoring

Microsection laboratory

PID and Manufacturing document process references

Verification workflow

Verification by similarity

NCRs

Certification status of the operators and inspectors

Compliance status of the operators and inspectors

Compliance of the manufacturing room

Additional information.

1. to item 1.(a): When machine reflow is used then the verified hand soldering or other method is used.

The content of documentation specified in G.2.1a.1 to 13 may be tailored for companies having already an ECSS SMT approval.

* + 1. Special remarks

None.