

Product Assurance Management

The goal is to introduce the principles of **Product Assurance** in space projects, when developing space qualified instruments. You will learn how to set up the PA Management procedures and tools which are compatible with space technology standards, such as the ESA ECSS-series. The organization of the PA activities are discussed, including risk/ PA management tools, documents and practices. Bring a scientific calculator.

WEBINAR, Day 1: PA Management

WELCOME, introduction to course program

1. OVERVIEW: PA Management in Space project

2. PRODUCT ASSURANCE PLAN, PA-Requirements

3. CONFIGURATION CONTROL equipment, documents

- Exercises/ team work: Configuration control

4. NON-CONFORMANCE (NC) CONTROL

- Exercise: Preliminary PA Plan

5. COMPONENTS, MATERIALS and PROCESSES: Management

- Summary of Day 1 and Discussion

WEBINAR, Day 2: PA Management

WELCOME, introduction

1. RISK MANAGEMENT as part of PA

- Exercise/ Team work: NC & NRB (Non-conformance Review Board)

2. RELIABILITY MANAGEMENT, Reliability Analyses

- Exercises/ Team work: FMECA Analysis

3. PA/QA in MAIT (Manufacturing, Assembly, Integration and Testing)

- Exercises/ Team work: Manufacturing flow chart

4. QUALIFICATION

5. PA DOCUMENTATION, examples

- Summary and Discussion

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Price: _____ eur/ person. Included: Course materials. Cancellation: latest 2 weeks before, after that 50 % fee is charged.
A person may be substituted. If no cancellation, the whole fee charged.