

Preliminary Hazard Analysis (PHA)

Concepts and Methods

Duration:

1 day

Teaching methods

Presentations with illustrated practical cases
Lunch meeting with the speaker

Prerequisites

Equivalent profile as engineer, in technical or in scientific education

For whom

Project Managers, Design Offices, Methods, R & D, Quality

Lecturer/Trainer

Expert and / or specialist

Assessment methods

Assessment sheet and self-assessment given at the end of training

Sites

PARIS / LYON /
MONTREAL

Intra-company sessions on request

Contact us

For more information
Phone : 438-558-1395
formation@sector-group.net

Objectives

The objectives of this training are to provide to the participants :

- General knowledges of the RAMST parameters (Reliability, Maintainability, Availability, Safety and Testability)
- The principles of the PHA method and its limits
- The ability to implement a PHA and to control its development.

Program

Introduction

- Why do we need RAMS activities ?
- Why do we need a PHA analysis ?
- Concepts and definitions, notions of risks

Preliminary Hazard Analysis

- Origin of this method
- Specifics definitions - Acronyms
- Existing analytical technics
- Inputs / Outputs of a PHA
- Process of implementation
- Fields of application
- Functional analysis : a preliminary step

Implementation of a PHA

- Establishing a risk matrix
- Establishing a gravity scale
- Implementing actions to reduce risk

Synthesis of a PHA

- Conclusions about the methodology
- Bibliographic references

Case study

- Choice of the subject
- Preparation of working group
- Construction by participatory approach
- Presentation of the results
- Case Study Synthesis

The case study will be used for:

- Understanding the problem to be solved
- Understanding how the concept and method of the PHA can provide solutions
- Overlooking concrete examples

Concepts and methods will be presented by the trainer, who will complete the presentation with examples.