This module provides a comprehensive understanding of the safety assessment process for aircraft systems.

**Prerequisites**
- Aircraft architecture and basic aeronautics knowledge

* not compulsory

**Highlights**
- Safety evaluation for aircraft systems
- Industrial expertise
- SAE ARP4754 / 4761 guidelines

**Learning objectives**

After completing this course, participants will be able to:
- Describe the system safety assessment objectives and process, and the related techniques;
- Understand the content and conclusions of a safety assessment document.

**Key elements**

- **Dates:** 9 - 13 December 2019
  (exam: 19 December 2019*)
- **Duration:** 20 hours
- **For whom:** recent graduates, jobseekers and experienced employees
- **Location:** ISAE-SUPAERO, Toulouse
- **Course fees:** 2 000 €
- **Language:** English

**Practical information and registration**

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Course content

Complex system safety:
• Fundamentals, regulations and objectives
• Types of failures
• Safety assessment

Safety and reliability studies:
• System functional hazard assessment (FHA)
• Preliminary System Safety Assessment (PSSA)
• System Safety Assessment (SSA)

Common cause analysis:
• Particular risk analysis
• Zonal safety analysis
• Common mode analysis

Case studies:
• Safety analysis