



FLYON AERO

AVIATION TRAINING CENTER

www.flyon.aero

By OXYGEN LABS Srl Unipersonale

SYLLABUS

System Safety Analysis

(FLY Course code: 031-C)

Summary

Course type	Classroom Course
Duration	18 hours
Course location	FlyOn.Aero Aviation Training Center
Language	Italian / English
Certificate	FlyOn.Aero Certificate

Syllabus

- **Introduction**
 - System Safety Concepts
 - Safety Assessment Process
- **ARP4761**
 - Safety Assessment Process
 - Safety Assessment Overview
 - Functional Hazard Assessment
 - Preliminary System Safety Assessment
 - System Safety Assessment
 - Verification Means Used for Aircraft Certification
 - Safety Assessment Analysis Methods
- **23.1309-LE**
- **MIL-STD-882E**
- **AMC RPAS.1309**
- **Safety Assessment Analysis Methods**
 - Fault Tree Analysis / Dipendence Diagram / Marlow Analysis (FTA/DD/MA)
 - Failure Modes and Effects Analysis (FMEA)
 - Failure Modes and Effects Summary (FMES)
 - Common Cause Analysis (CCA)
 - Zonal Safety Analysis (ZSA)
 - Particular Risks Analysis (PRA)
 - Common Mode Analysis (CMA)
- **Practical & Exercises**