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BASIC AIRCRAFT STRUCTURE COMPOSITE REPAIR TRAINING

Composite Course 1: Basic

➤ Course objectives

The aim of this course is to familiarize airline personnel, with composite materials and their application on aircraft, with the basic standard practices for repairs and perform a standard SRM repair.

➤ Target participators

Entry-level Airframe Mechanics, Composite Technician at beginner level or Sheetmetal Worker.

➤ Pre-requisites

Trainees should be able to read, write and communicate at an understandable level in German or English language.

➤ Course content

- Welcome & Introduction
- **Theory I**
 - Safety
 - Release Agent
 - Gelcoat
- **Applications I**
 - Release Coat
 - Gelcoat
- **Theory II**
 - Fibers
 - Resin
 - Core materials
 - Processing methods & reworks
- **Applications II**
 - Prepare cutting fabric for lamination
 - Laminating with various fibers
 - Introduction into vacuum technique
- Final exam (optional)

➤ Course capacity

4 to 6 trainees

➤ Course location

RUAG AG, Alpnach or Emmen

➤ Duration

3 Days / 24 Lessons

The courses are developed according to the requirements of the composite S-License of the Federal Office of Civil Aviation (FOCA) and the guidelines of the Swiss Aircraft Maintenance Association (SAMA). They are permanently adjusted to the newest standards.

All repairs discussed and performed in the courses are carried out according to the FAA AC-43.13, SAE (CACRC) guidelines and the SRM standard procedure.