

Content – FD Technik – Composite –Basiclevel (2 days)

Introduction

Theory:

- Health and safety, Equipment issue
- Principle of isotropy – anisotropy
- Fiber systems
- Systems of resins
- Conditions of storage and work area
- Handling and mixing of resins
- Classification of damages,
- Repair principles overlapping /scarfing
- Introduction in using of drawings and manufacturers documents
- Pre-curing and post curing circle
- Documentation of repairs by photography / paperwork

Practical:

- Simple moulds – construction and manufacturing of parts in negative / female moulds
- Sandwich construction, vacuum bagging
- mould preparation, core and fabric preparation,
- Production of a simple skin laminate by every participant
- Demoulding of part above
- Preparation of repair places at outer skin / wheel fairing
- Practical repair with scarfing method
- Production of a sandwich part by every participant
- Preparation of a repair at outer laminate (first steps)
- Final works at repair place, description of next steps

Recognition and documentation of damages:

- Overview – the most damages at the CT airplane
- Recognition of damages following the manufacturer's instructions
 - Main gear bush
 - Stabilizer rotating point
- Documentation of damages – using the worksheets for external expertise

Content – FD Technik – Composite –Basiclevel Advanced (3 days)

Introduction

Revision and absorption of knowledge of Basic classes

+ Advanced content:

- Advanced damage detection
- Working with advanced composite Service instructions, cooperation with the manufacturer
- Repair/replacement of damages of category 2: Damages primary and secondary sandwich structures up to sizes of 10 inches
- Training in practice