

R E P O R T

The Training Curriculum Piloting *"Advanced Composite Repair Training"*

1. The training piloting on the Curriculum '**Advanced Composite Repair Training (EQF- 5)**' has been carried out from 14 to 18 November 2016 in Technical Education Copenhagen TEC, Denmark.
2. TEC Team designed the training and involved 5 technicians from Scandinavian Airlines System SAS (2 from Norway, 1 from Sweden, 2 from Denmark) during 5 days for a total of 30 hours.
3. The course covered 3 learning units, level EQF-5:
 - In Unit 1 the trainees approached documentation dealing and responsibilities of Repair references, human factor and environment of composite repair.
 - In Unit 2 they were introduced to inspection of composite structure damages, and selection of suitable inspection methods.
 - In Unit 3 they learned and executed on advanced composite structural repairs using required tools and machines and propose the optimal repair solution.
4. The piloting aims at testing the effectiveness of the curriculum before to distribute it widely. For this reason, it provides a full evaluation process to assess teaching methods, content, theoretical lectures, hand-on hours, materials, issues of timing and flow, as well as the general effectiveness of the training.
Such process includes a final individual assessment for each unit, a Trainee's Evaluation of the training, a Trainer Evaluation of Curriculum Materials and a Curriculum Evaluation Feedback from the organization.
5. For Training curriculum evaluation, TEC team prepared and used:
 - Online pre-knowledge composite repair survey for trainees before Training.
 - Online Daily Evaluations (ODE) from Trainees
 - Online Final Evaluation (OFE).
 - Online final unit assessment.The ODE is completed by trainees at the end of each day of the workshop with the aim of capturing trainee' reactions to training sessions and activities while the information is still fresh in their minds. The OFE, on the contrary, is completed at the end of the final day of the workshop.
6. After training completion, we granted all participants a Training Completion Certificate.

Main Analysis the trainee's evaluation feedback

1. The main trainee's evaluation comments about training piloting are about the needs of:
 - More detailed knowledge (it means more detailed theoretical lessons), for example in these points:
 - ✓ *Composite materials types*
 - ✓ *Layers and Fabric Orientation*
 - ✓ *Fabric sizes measurement and drawing for repair*
 - ✓ *Preparing process before repair*
 - ✓ *SRM documentation (Airbus)*
 - More practical tasks (*hands on tasks*)
 - More *time/days*
 - Hands on of Repair process on *real panel parts* of aircraft

Regarding to these feedback comments:

This Training Piloting consists of only 5 days, and it's not complete course training, it's a part of Complete training that consists of 12.5 days, so 5 days are not enough to cover all detailed learning outcomes of complete training. We tried to cover the main learning outcomes.

2. During reviewing all trainee's comments from online feedback evaluation, in some points we found some different reactions from trainees, because the trainees have a different previous knowledge background of composites (some of them have a good composite background knowledge, but the others not).

Next tasks for Training Curriculum update

- Take into account all trainee's feedbacks to develop and update the training curriculum (theoretical and practical sections).