
Customer Information Letter

FUEL TANK SAFETY

Based on EASA ED Decisions 2009/006/R and 2009/007R

Introduction

Following several aircraft accidents, the influences on fuel tank safety have widely been discussed to establish means by which fuel tank explosions can be prevented in the future. As a result aircraft maintenance personnel have to undergo a Fuel Tank Safety Training as required by EASA and various national authorities and regulations.

Applicable regulations are EASA PART 145.A.30 and 145.B.10 and EASA Part M.A.706 and M.B.102 requesting Initial and Continuation Training.

Solution

Link & Learn Aviation Training GmbH has developed such a web-based training solution in co-operation with its partners infoWerk and Aero-Bildung GmbH. The training offers Familiarization (Level 1) or Detailed Training (Level 2).

The Level 1 Familiarization Training is designed for maintenance management and quality personnel. The attendants learn typical terms, the basic elements of the fuel tank safety issues including the required description of the historical background and all elements related to safety.

The Level 2 Detailed Training meets the requirements for personnel involved in management and review of the continuing airworthiness of aircraft and personnel required to plan, perform, supervise, inspect and certify the maintenance of the affected aircraft and fuel system components. This training includes all Level 1 topics, emphasises the technical issue but also includes the other required subjects. This course includes stage checks to monitor the learning progress and an on-line test with multiple choice questions at the end.

As the training will be presented on a generic level, an additional introduction into the real application for the aircraft types in use shall be added by the customer in a classroom session.

Program Parameters

- Prices
 - Level 1 € 220.-/Participant
 - Level 2 € 350.-/Participant

If required, Part 147 certificates can be issued for an additional fee of € 20,- per Participant.

- Discount
 - 10 – 19 Participants 10%
 - Above 20 Participants 20%



- **Additional Offers**

The complete Program is available for outright purchase for € 24.900.-. Possible packages for initial and continuation training can be offered on an individual basis.

- **Application Procedure**

Just send your requirements for Level 1 or 2 including: Full name(s), date and place of birth and the email addresses of the participants.

On satisfactory completion of all sessions individual course reports and certificates of attendance will be issued.

Training Syllabus:

**as per Appendix XII to AMC to M.A.706(f) and M.B.102(c)
as per Appendix IV to AMC 145.A.30(e) and 145.B.10(3)**

I.) **INTRODUCTION**

- TWA 800 - The accident initiating fuel tank safety concerns
- Training content and requirements
- Learning Objectives

II.) **BACKGROUND**

- Theory – The theoretical background of fuel tank safety
- SFAR 88 – FAA's response of the to fuel tank safety
- JAA TGL47 – The European view
- Explosion of mixtures of fuel and air
- Aviation turbine fuel types
- Behavior of fuel-air mixtures
- The major accidents

III.) **AWARENESS**

- Inspection Work
- CDCCL – Critical Design Control Configuration Limitations
- Bonding schemes
- Fuel tank safety in maintenance, awareness of the hazards
- Flammability Reduction and Nitrogen Gas Systems

IV.) **MAINTENANCE ORGANISATION IMPROVEMENTS**

- Manufacturer Documentation
- Maintenance Documentation
- Supporting Documents