BAFS GROUP ACADEMY

Fuel Quality Control Training (Advanced)

Introduction

This advanced training program is tailored for experienced professionals seeking a comprehensive and in-depth understanding of aviation fuel quality control standards and best practices. Over the course of five days, participants will explore advanced topics, including the operation of fuel depots, hydrant systems, and into-plane fueling services. With a focus on industry-leading Joint Inspection Group (JIG) standards, this course offers practical, hands-on experience alongside detailed theoretical instruction. Ideal for quality control auditors and airline inspectors, the training equips participants with the expertise required to manage and audit complex fuel systems in high-stakes aviation environments.

Course Objectives

1. Gain an in-depth understanding of the aviation fuel quality control process, both from in the classroom, and 'in the field' hands-on experience.
2. Gain an in-depth understanding of the into-plane refueling process from start to finish.
3. Gain an understanding of the industry best practices related to aviation fuel quality control and into-plane refueling safety.

Contents

Day 1 Introduction

- Introduction to Petroleum Products
- Aviation Fuel Grades and Specifications
- Aviation Fuel Contaminants
- Aviation Fuel Quality Control Checks
- Aviation Fuel Certificate
- Aviation Fuel Filtration Unit

Day 2 Aviation Fuel Quality Control and Operating Standard for Airport Depots and Hydrants (JIG 2)

- Introduction to fuel depot facilities (design features) and hydrant system standard (JIG 2)
- Sampling and Testing
- Receipt Procedures
- Storage Procedures
- Hydrant Pipeline Network
- Visit fuel depot and pipeline receipt facilities

Day 3 Aviation Fuel Quality Control and Operating Standard for Airport Depots and Hydrants (JIG 2)

- Hydrant Systems
- General operating requirements and maintenance
- Health, safety, security, environment training and emergency procedures

Day 4 Aviation Fuel Quality Control and Operating Standard for Into-plane Fueling Service (JIG 1)

- Introduction to JIG 1 Standard
- Fueling equipment design features
- Maintenance and testing of fueling equipment
- Fuel quality control requirements
- Refueling vehicle testing

Day 5 Aviation Fuel Quality Control and Operating Standard for Into-plane Fueling Service (JIG 1)

- Refueling Procedures
- Defueling Procedures
- Refueller loading
- Refueling process (ramp side)
- Conclusion & Wrap-up

Instructors

Our instructors have extensive theoretical and hands-on experience in aviation fuel quality control and the provision of into-plane refueling at airports ranging from international aviation hubs to smaller regional airports. They are also certified Joint Inspection Group (JIG), and IATA Fuel Quality Pool (IFQP) certified inspectors.

Who should attend?

This program is designed for quality control auditors or airline inspectors.

✉ Contact Us: piyaporn@bafs.co.th
URL: www.bafsthai.com/en/bafs-group-academy

Learning Format

In-class lecture and on-site visits

Duration

5-day training (9AM - 4PM; 6 hours per day), total 30 hours

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