



# Aviation Fuel Solutions Inc

*Expertise you can trust*

## Aviation Manuals

**Aviation Fuel Solutions Inc. (AFSI)** is an aviation consulting company based on the South-shore of Montreal, Canada. Aviation Fuel Solutions is specialized in aviation fuel and conducts commercial and technical work for major customers who include international Airlines, Airports, Oil companies and agencies like IATA, the UN and ICAO. The company leverages a unique web of strategic partners and leading aviation fuel experts to offer a most comprehensive set of solutions to the industry.

**AFSI's** principals combine more than 55 years of experience in the management of aviation fuel in areas ranging from facility planning, personal training, operational and quality manuals, procurement through operational efficiency to fuel price risk management. **AFSI** consultants, have hands-on airline experience for having previously been in the employ of international airlines. As such, they have perfect understanding of the workings of the airline business and the dynamics of the jet fuel supply market. This combined with their international exposure provides **AFSI** with a unique perspective on the aviation fuel industry.

One of the services we offer is the preparation of manuals for oil companies, aviation fuel suppliers, fuel farm operators, airport tarmac operators and into Plane fuelling operators.

The manual comprises of quality procedures, operating procedures, safety environment and health, fuel facility, fuel storage, fuel transportation, fuel handling, fuel quality assurance, and aircraft data guides.



Examples of some typical manuals and descriptions are outline as follows;



### **Airport Fuel Storage Operations Manual**

1. Description of facility
2. Facility Operator and participants
3. Independent Operator
4. Independent Petroleum Inspector
5. Designated Laboratory
6. Fuel Committee
7. Notification
8. Procurement and transportation of inbound product
9. Inbound product scheduling
10. Inventory control
11. Outbound product movements
12. Facility safety
13. Facility security
14. Facility records
15. Quality control
16. Facility inspections
17. Manual revisions



## Maintenance and Checking of Facilities and Equipment

1. Storage tanks
2. Hydrant systems
3. Mobile equipment
4. Filtration systems
5. Hoses and hose end strainers
6. Pumps for hydrant and fueller loading
7. Self-sealing couplings
8. Pressure gauges
9. Electrical equipment
10. Miscellaneous



## Fuel Farm

1. On-Site Disaster Management Plan for fuel farm
2. Hazard and Operability study
3. Risk and Consequence Analysis



## Fuel Handling

1. On-site Disaster Management Plan for fuel handling at apron
2. Hazard and Operability study
3. Risk and Consequence Analysis

## Airside Safety Regulations

1. Rules for Personnel
2. Rules for Vehicles
3. Aircraft Refuelling



## Aircraft Data Guide

1. Aircraft types
2. No of Tanks
3. Tank capacity
4. Fuelling sequence
5. Height of adaptors
6. Vents



## Environment

1. Leaks – Hydrant system and tank installations
  2. Spillage from vehicles
  3. Spill Prevention, Control and Countermeasure (SPCC) Plan
    - a. Operating procedures intended to prevent oil spills;
    - b. Control measures installed to prevent a spill from reaching water table; and
    - c. Countermeasures to contain, clean up, and mitigate the effects of an oil spill that reaches water table.
  4. Control of effluent water
  5. Soil and ground water protection – Bioremediation and other techniques
  6. Waste management
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**AFSI has completed many projects over the years such as;**

### **Recently completed projects**

- Aviation fuel Quality and Drumming storage manuals for a Canadian corporation
- Staff training of an international airline on detail fuel tendering process
- IATA Fuel Filter Monitor Study Project
- Research in Jet Fuel Specification, U.S National Petroleum Refinery Association (NPRA)
- UN POL Manual
- Fuel Training sessions in Moscow, Geneva, Nigeria and Angola
- Study on Into-Plane Fuel Market at Changi International Airport, Singapore
- IATA fuel freezing point harmonization project

## Current projects

- A/S Global Risk Management – Setting up an Aviation Fuel Risk Management operation for a Danish Bunker Risk Management company
  - IATA – Accredited Instructor for Airline Fuel Management and the Jet fuel Price Risk Management courses
  - UN – Fuel consulting of petroleum, oils and lubricants in Peace-Keeping missions
  - Comport Aerospace Services Ltd – Subject matter expert, software application consulting
  - IATA – Fuel consultant, Subject matter expert
  - ICAO - Aviation Fuel Safety expert
  - IATA – Consultant for IATA Safety Audit for Ground Operations (ISAGO)
  - UN – Fuel pricing, invoicing discrepancies and dispute resolution
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### Commitment

AFSI is committed to any project undertaken with confidentiality, understanding of customer's requirements, quality of work, on time delivery and full project management support.

### Contact

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