

Standard Into-Plane Fueling Procedures Task Force

Refueler Training Qualification – Update

- Meeting held on Monday, 12th May 2025, in Baku before the AEF.
- Working group defined with participants from airlines, standards bodies, equipment OEM`s, IPA operators and airframe OEM`s.
- Goal is to have the first draft by November 2025 (Next AEF)

Standard Into-Plane Fueling Service Levels and Safety

These definitions and precautions are extracts from the IATA Guidance Material on Standard Into-Plane Fuelling Procedures 4th Edition.

Version #	Revision Date (DD-MMM-YYYY)	SLA/Task #	Description of change
1.00	17-FEB-2020		Updated for use in IFTF solution.

Levels of Service

There are FOUR (4) Levels of Into-Plane Fueling Service ranging from the least complex, as outlined in Level 1 requirements, to the most complex, as outlined in Level 4.

The Fueling Personnel will be considered to be an Authorised Refueler, qualified to operate aircraft switches to refuel aircraft, if they have successfully completed the training provided by an Approved Fueling Instructor. Training will include each aircraft fleet type assigned to the station, including diversion fleet types.

Details of the requirements are identified in the Fueling operative Levels 1 through 4.

Level 1: Minimum Level of Service

The Fueling Personnel of the contracted company is essentially tasked to provide up-to plane service which includes:

- Operating a fuel vehicle, making necessary nozzle connections to fuel hydrant pit and aircraft;
- Operating the deadman control.

An airline-authorised refueler will perform all other into-plane fueling procedures and is responsible for all fuel servicing requirements.

Level 1 service includes only the following base level procedures:

- (1) Have proven knowledge of fueling vehicle systems and operations.

- (2) Approach and position the fueling vehicle at the aircraft in accordance with local and driving regulations.
- (3) Set fueling vehicle brake and install wheel chocks, if brake interlocks are not installed.
- (4) Bond fueling vehicle to aircraft.
- (5) Open aircraft wing fueling panel and remove fueling adapter caps (if installed).
- (6) Connect fueling hoses to aircraft.
- (7) Hydrant system – connect hydrant coupler to hydrant pit valve.
- (8) Provide fuel volume and density of fuel loaded, when requested.
- (9) Perform clear and bright fuel appearance checks at the aircraft in accordance with operating procedures, and perform chemical water detection test when required.
- (10) Engage and operate the deadman control under the direction and supervision of the Airline Authorised Refueler.
- (11) Monitor vehicle fueling pressures to ensure maximum limits are not exceeded.
- (12) At completion of fueling, disconnect fueling nozzle from aircraft, replace fueling adapter caps (if installed) and close fuel panel access door.
- (13) Hydrant system – close hydrant pit valve and disconnect hydrant coupler.
- (14) Disconnect bonding cable connection

Level 1 Minimum Level of Service

Level 1 service includes only the following base level procedures:

- (1) Have proven knowledge of fueling vehicle systems and operations.
- (2) Approach and position the fueling vehicle at the aircraft in accordance with local and driving regulations.
- (3) Set fueling vehicle brake and install wheel chocks, if brake interlocks are not installed.
- (4) Bond fueling vehicle to aircraft.
- (5) Open aircraft wing fueling panel and remove fueling adapter caps (if installed).
- (6) Connect fueling hoses to aircraft.
- (7) Hydrant system – connect hydrant coupler to hydrant pit valve.
- (8) Provide fuel volume and density of fuel loaded, when requested.

- (9) Perform clear and bright fuel appearance checks at the aircraft in accordance with operating procedures, and perform chemical water detection test when required.
- (10) Engage and operate the deadman control under the direction and supervision of the Airline Authorised Refueler.
- (11) Monitor vehicle fueling pressures to ensure maximum limits are not exceeded.
- (12) At completion of fueling, disconnect fueling nozzle from aircraft, replace fueling adapter caps (if installed) and close fuel panel access door.

- (13) Hydrant system – close hydrant pit valve and disconnect hydrant coupler.
- (14) Disconnect bonding cable connection
- (15) Provide fuel delivery receipt to representative for signature prior to aircraft departure.
- (16) Provide assistance when defueling of aircraft is required.
- (17) The Fueling Personnel has final responsibility to verify that all hoses and static grounding/ bonding attachments have been disconnected from aircraft (including hydrant pit, where applicable) and are properly stowed prior to moving fueling vehicle.
- (18) Perform walk around inspection

Proposal

	Maintenance	Operator	Quality Control Staff
Management System			
Safety Management	X	X	X
Quality Management			X
Security Awareness	X	X	X
Human Factor	X	X	X
Ramp Safety	X	X	X
Air side driving	X	X	
Health Safety	X	X	X
Environmental	X	X	X
Emergency Procedures	X	X	X
Auditing			x
Fuel Operational			
Sampling & Draining	X	X	
Filter Operation	X	X	
Critical Gauges	X	X	
Mandatory Seals	X	X	
Hoses and Pressure Nozzles	X	X	
Bonding Cable	X	X	
Vehicle checks (brakes, lights etc)	X	X	
Deadman operation	X	X	
Vehicle driving/positioning		X	
Fuel Quality Assurance			
Fuel Documentation		x	X
Control Check	X	x	X
Sampling procedure	X	x	X
Filter monitoring	X	X	X
Sampling equipment	X	x	X
Equipment Maintenance			
Hoses and Coupling installation	X	x	x
Hose testing	X		x
Filter inspection	X		x
Filter change	X		x
Filter cleaning	X		x
Pressure Nozzle wear checks	X	x	x
Pressure Nozzle maintenance (by OEM)	X		x
Pit coupler checks	X	x	x
Pit coupler maintenance	X		x
Pit valve checks	X		x
Pit valve maintenance	X		x
Venturi settings/adjustment	X		x
Pressure Control Testing and adjustment	X	x	x

Reviewing existing trainings requirements from different sources (e.g. JIG, IATA, EASA, FAA, SAE, OEM etc.)

Provide the industry with an agreed training framework on a competency-based approach.

In the future additional scopes like inspectors can be added.