

OPERATIONAL BEST PRACTICE -GROUND

Your Company Name Here:

Title: Diesel Exhaust Fluid (DEF) Handling and Contamination Prevention

No OBP- 36

Effective Date: Sep. 13, 2018

Revision: August 31st, 2020

Purpose:

To reduce the risk of aircraft misfueling with Diesel Exhaust Fluid (DEF).

Policy Responsibility:

Chief Executive, General Manager, Environmental Health and Safety Director / Manager, Line Supervisor, Trainer/Training Coordinator (as applicable).

Policy:

Storage of Aviation Fuel Additives

1. Diesel Exhaust Fluid (DEF) and other fluids, oils and chemicals shall be stored in a separate location from Fuel System Icing Inhibitor (FSII, Prist[®], Dice[®] DiEGME) and other aviation fuel additives.
2. DEF and FSII should be stored in original containers provided by the manufacturer. DEF and FSII should never be stored in unmarked containers.
3. Locks for DEF and other fluids, oils and chemical storage areas shall be keyed differently than for areas containing FSII and other aviation fuel additives.
4. Keys for locks shall be labelled and kept on separate key rings.

Fluid Handling

1. Only approved and trained personnel shall handle DEF or fill equipment DEF tanks.
 - a. All transfers of DEF shall be recorded in a log including:
 - i. Date
 - ii. Time
 - iii. Transfer to/from
 - iv. Name of individual completing the transfer



	<ol style="list-style-type: none"> 2. Only approved and trained personnel shall handle FSII or fill jet fuel refuelling equipment FSII tanks. <ol style="list-style-type: none"> a. All transfers of FSII shall be recorded in a log including: <ol style="list-style-type: none"> i. Date ii. Time iii. Transfer to/from iv. Name of individual completing the transfer 3. A specific location where DEF may be added to aircraft refueling vehicles or ground support equipment should be designated.
<p>Procedure:</p>	<p>Procurement and Labelling</p> <ol style="list-style-type: none"> 1. DEF should be purchased in quantities that differ from FSII (ex. 2.5-gallon containers vs. 55-gallon drums). 2. Original manufacturers labels for DEF and FSII storage containers shall be intact, clearly legible and leave no question as to what product is in the container. 3. All equipment DEF tanks shall be labelled DEF ONLY. Labels shall be at least 3” high. 4. Refillable FSII tanks on jet fuel refuelling equipment shall be labelled FSII ONLY (or DiEGME Only). Labels shall be at least 3” high. <ol style="list-style-type: none"> a. Where replaceable 5-gallon FSII tanks are used, the original manufacture’s label shall be intact and clearly legible. 5. Any equipment (containers, funnels, etc) used to transfer DEF or FSII shall be clearly labelled and “product dedicated” meaning: <ol style="list-style-type: none"> a. DEF transfer equipment shall only be used with DEF. b. FSII transfer equipment shall only be used with FSII. <p>Staff Training</p> <ol style="list-style-type: none"> 1. Initial and recurrent training for all staff shall include: <ol style="list-style-type: none"> a. The purposes of and differences between FSII and DEF. b. The different storage locations for FSII and DEF. c. The packaging and labelling differences between FSII and DEF. d. The dangers of aviation fuel contamination with DEF.

	<ol style="list-style-type: none"> 2. In addition to the above, initial and recurrent training for individuals handling DEF and or FSII shall include: <ol style="list-style-type: none"> a. DEF fill points on all equipment requiring DEF. b. FSII fill points for jet fuel mobile refuelers and other refuelling equipment as applicable. c. The use of clearly labelled, dedicated equipment when transferring DEF or FSII. 3. Recurrent training should occur every 12 calendar months. 4. Records for all training should be maintained for 36 months. <p>Auditing</p> <ol style="list-style-type: none"> 1. Periodic internal audits of storage, labeling, training and recordkeeping should be conducted.
PPE	<p>All staff shall follow the PPE recommendations found in the Safety Data Sheets (SDS) for FSII, DEF and other fluids and chemicals.</p>