

## CHAPTER 4

### FUEL STANDARDIZATION AND CATALOGING

#### C4.1. STANDARDIZATION POLICY

##### C4.1.1. Fuel.

C4.1.1.1. The Military Services shall qualify all new systems to use readily available commercial fuels in accordance with DoD Directive 4140.25. Most standard commercial fuels for the United States are listed in the Department of Defense Index of Standards and Specifications (DoDISS) under Federal Supply Classes 9130 and 9140. Care must be taken to ensure appropriate commercial fuels are selected. For example, mobile ground equipment shall be qualified for automotive fuels, marine equipment for marine fuels, and aviation equipment for kerosene-based-aviation fuels.

C4.1.1.2. Primary fuel support for land-based air and ground forces in overseas theaters shall be accomplished using a single kerosene-based fuel, JP-8 or the commercial equivalent Jet A-1 (with appropriate additives), if approved by the Combatant Commander. Primary fuel support for sea-based aircraft shall be a high flash kerosene-based fuel, JP-5. In overseas theaters where the predominant fuel requirement is in support of the Navy, JP-5 or Jet A-1 may be substituted for JP-8, if approved by the Combatant Commander.

C4.1.1.3. Conventionally-powered ships shall use a distillate-type fuel (F-76 for propulsion). There are no commercial equivalents for F76. Commercial MGO shall be used at locations where F76 is not available.

C4.1.1.4. Military Sealift Command' ships may use commercial marine fuel for propulsion.

C4.1.1.5. To the maximum extent practical, no new combat, combat support equipment, or vehicles requiring gasoline will be acquired or developed unless the support concept is to supply fuel as a package product.

C4.1.2. Storage and Distribution Facilities. Storage and distribution facilities and equipment must be designed and maintained with the capability to safely receive, store, and issue alternate grades of petroleum products when primary grades cannot be obtained in sufficient quantities. Existing storage need not be up-graded to handle alternate product grades solely to comply with this requirement.

#### C4.2. RESPONSIBILITIES

C4.2.1. DESC Bulk Fuels, Product Technology and Standardization Division (DESC-BP) shall:

C4.2.1.1. Serve as the Lead Standardization Activity for FSC 91GP, 9110, 9130 and 9140 in accordance with DoD 4120.24-M, Defense Standardization Program Policies and Procedures.

C4.2.1.2. Interchange Federal Logistic Information (FLIS) data (cataloging data) with the Defense Logistics Information Service in accordance with DoD 4100.39-M (see reference index).

C4.2.1.3. Prepare and maintain assigned standardization documents in accordance with DoD 4120.24-M.

C4.2.1.4. Serve as the central coordinating office for technical assistance in support of petroleum products, missile fuels, chemicals, and gas supplied by DESC.

C4.2.1.5. Represent the Office of the Secretary of Defense in the coordination of international petroleum standardization programs and the interchange of petroleum products consistent with DoD Directive 2010.6 and DoD Directive 5100.27 (see reference index).

C4.2.2. Military Services shall:

C4.2.2.1. Develop product requirements in accordance with FAR, Part 10.

C4.2.2.2. Serve as a Review Activity for fuels used and determine the impact of proposed product specification changes on equipment.

C4.2.2.3. Conduct research and related tests in support of standardization efforts.

C4.2.2.4. Prepare specifications and other standardization documents, as approved by the applicable Lead Standardization Activity, in accordance with DoD 4120.24-M.

C4.2.2.5. Represent their military branch at international standardization working group meetings in accordance with DoD Directives 2010.6 and 5100.27 (see reference index).

#### C4.3. ADMINISTRATIVE FUNCTIONS

C4.3.1. Catalog Register. DoD 4100.39-M, volume 13, discusses tables and instructions for registering technical information at DLIS.

C4.3.2. Management Data. DLIS identifies and publishes management data lists for products.

C4.3.3. Stock Numbers. All requests for stock numbers and stock number maintenance for FSC 9130, FSC 9135, and FSC 9140 shall be sent to DESC-BP.

C4.3.4. Cataloging. DLIS, in coordination with DESC-BP, shall perform cataloging functions for FSC 9130, FSC 9135, and FSC 9140.