

C4. CHAPTER 4

FUEL STANDARDIZATION AND CATALOGING

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C4.1. GENERAL. The DoD Components shall qualify all new systems to use readily available and appropriate commercial fuels in accordance with DoD Directive 4140.25, "DoD Management Policy for Energy Commodities and Related Services." The DoD Index of Standards and Specifications lists most standard commercial fuels for the United States in accordance with Federal Supply Classes (FSCs) 9130 and 9140. The DoD Components shall qualify mobile ground equipment for operation on automotive fuels and aviation kerosene, marine equipment for operation on marine fuels, and aviation equipment for operation on kerosene-based-aviation fuels.

C4.2. STANDARDIZATION POLICY

C4.2.1. Fuel

C4.2.1.1. JP-8 (or the commercial equivalent kerosene-based fuel with appropriate additives) shall serve as the primary fuel to support land-based air and tactical ground forces in overseas theaters as approved by the Combatant Commander. Ground forces fuel support may also be fulfilled using commercially available diesel fuel when supplying jet fuel is not practicable or cost effective. The Combatant Commander may approve JP-5 as a substitute for JP-8 in overseas theaters where the predominant fuel requirement is for Navy support. JP-5 is a high flash kerosene-based fuel that serves as the primary fuel to support sea-based aircraft. When other kerosene-based fuels to support land-based air and ground forces become certified by the DoD Component and available to U.S. forces, the Combatant Commander may approve their use.

C4.2.1.2. Conventionally powered ships use a distillate-type propulsion fuel (F-76) of which there is no commercial equivalent. Ships may use JP-5 or Naval Purchase Description Marine Gas Oil at locations where F-76 is unavailable.

C4.2.1.3. Environmentally regulated fuels shall be used to satisfy advanced emissions control systems used in administrative vehicles and equipment, as required by law or by Executive order. Examples of regulated fuels include ultra-low sulfur diesel, blended gasolines such as E-10 and E-85, and biofuels.

C4.2.1.4. Military Sealift Command ships may use commercial marine fuel for propulsion.

C4.2.1.5. To the greatest extent practical, DoD Components shall develop or purchase new combat support equipment or vehicles that do not require ground or aviation grade gasoline unless the support concept is to supply the fuel as a packaged product.

C4.2.2. Storage and Distribution Facilities. Defense fuel support points shall design and maintain facilities and equipment with the capability to safely receive, store, and dispense alternate petroleum product grades when sufficient quantities of primary grades are unavailable.

Existing facilities shall not be up-graded to handle alternate product grades solely to satisfy this requirement.

C4.3. RESPONSIBILITIES

C4.3.1. Defense Logistics Agency Energy Quality/Technical Support Office (DLA Energy-Q) shall:

C4.3.1.1. Serve as lead standardization activity for Federal Supply Group 91, FSCs 9110, 9130, and 9140 in accordance with DoD Manual (DoDM) 4120.24-M, “DoD Standardization Program Policies and Procedures.”

C4.3.1.2. Align Federal Logistics Information System cataloging data with the Defense Logistics Agency Logistics Information Service (DLA Logistics Information Service) in accordance with the procedures detailed in the DLA Energy cataloging business plan for processing cataloging system updates.

C4.3.1.3. Prepare and maintain standardization documents in accordance with DoDM 4120.24-M.

C4.3.1.4. Serve as the central coordinating office for technical assistance to support petroleum products, missile fuels, chemicals, and gases supplied by DLA Energy.

C4.3.1.5. Represent the Office of the Secretary of Defense to coordinate international petroleum standardization programs and the interchange of petroleum products consistent with DoD Instruction (DoDI) 2010.06, “Material Interoperability with Allies and Coalition Partners.”

C4.3.2. DoD Components shall:

C4.3.2.1. Develop product requirements in accordance with part 10 of the Federal Acquisition Regulation, “Market Research.”

C4.3.2.2. Serve as a review activity for fuels and determine the effect of proposed product specification changes on equipment.

C4.3.2.3. Conduct research and testing to support standardization efforts.

C4.3.2.4. Prepare specifications and standardization documents approved by the applicable lead standardization activity and in accordance with DoDM 4120.24-M.

C4.3.2.5. Represent the respective DoD Component at international standardization working group meetings in accordance with DoDI 2010.06.

C4.4. ADMINISTRATIVE FUNCTIONS

C4.4.1. Catalog Register. DoDM 4100.39-M, Volume 13, “Material Management Decision Rule Tables,” provides instructions to register technical information at DLA Logistics Information Service.

C4.4.2. Management Data. DLA Logistics Information Service identifies and publishes management data lists.

C4.4.3. Stock Numbers. Send all requests for stock numbers and stock number maintenance for FSCs 9130, 9135, and 9140 as well as for bulk coal items of supply in FSC 9110, to DLA Energy-QT.

C4.4.4. Cataloging Coordination. DLA Logistics Information Service coordinates cataloging functions with DLA Energy-QT for FSCs 9130, 9135, and 9140 as well as for bulk coal items of supply in FSC 9110.