UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMRL dated January 2021
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SECTION TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01 33 23.33

AVIATION FUEL SYSTEM SPECIFIC SUBMITTAL REQUIREMENTS

08/18, CHG 1: 02/21

PART 1 GENERAL

1.1 SUBMITTALS
1.1.1 SD-02 Shop Drawings
1.1.2 SD-03 Product Data
1.1.2.1 Standards Compliance
1.1.2.2 Manufacturer's Installation Instructions

PART 2 PRODUCTS

2.1 STANDARD PRODUCTS/SERVICE AVAILABILITY
2.1.1 Materials and Equipment
2.1.1.1 Experience Required
2.1.1.2 Alternative Service Record
2.1.2 Service Support
2.1.3 Manufacturer's Nameplate

PART 3 EXECUTION

-- End of Section Table of Contents --

UNIFIED FACILITIES GUIDE SPECIFICATIONS

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SECTION 01 33 23.33

AVIATION FUEL SYSTEM SPECIFIC SUBMITTAL REQUIREMENTS
08/18, CHG 1: 02/21

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NOTE: This guide specification covers the requirements for specific contract requirements for aircraft refueling systems constructed to the requirements of the DoD Type III/IV/V, and Cut'n Cover Hydrant Refueling System Standards

Adhere to UFC 1-300-02 Unified Facilities Guide Specifications (UFGS) Format Standard when editing this guide specification or preparing new project specification sections. Edit this guide specification for project specific requirements by adding, deleting, or revising text. For bracketed items, choose applicable item(s) or insert appropriate information.

Remove information and requirements not required in respective project, whether or not brackets are present.

Comments, suggestions and recommended changes for this guide specification are welcome and should be submitted as a Criteria Change Request (CCR).
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PART 1 GENERAL

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NOTE: Use this Section in conjunction with UFGS 01 33 00 SUBMITTAL PROCEDURES. DoD Type III systems must conform to Standard Design AW 078-24-28 PRESSURIZED HYDRANT FUELING SYSTEM TYPE III. DoD Type IV/V systems must conform to Standard Design AW 078-24-29 PRESSURIZED HYDRANT DIRECT FUELING SYSTEM TYPE IV/V. Cut and Cover systems must conform to Standard Design AW 078-24-33 UNDERGROUND VERTICAL STORAGE TANKS CUT AND COVER. Field fabricated ASTs must conform to AW 078-24-27 ABOVEGROUND VERTICAL STEEL TANKS WITH FIXED ROOFS.Standards can be found on the Whole Building Design Guide at the following

location
https://www.wbdg.org/ffc/dod/non-cos-standards.

Subject Matter Expert (SME) is defined as Service Headquarters Subject Matter Experts: Air Force - The Air Force Fuels Facilities Subject Matter Expert (HQ AFCEC/COS), Army - Headquarters, U.S. Army Corps of Engineers, POL-MCX Facilities Proponent (CECW-EC) through the Army Petroleum Center (APC), Navy/Marine Corps - NAVFAC POL Facility Subject Matter Expert (NAVFAC EXWC, CI11).

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1.1 SUBMITTALS

Provide submittals as specified in each individual section and obtain approval as specified before procurement, fabrication, or delivery to the job site. Partial submittals are not acceptable and will be returned without review. Subject Matter Expert (SME) is defined as Service Headquarters Subject Matter Experts. SME for this project is [Air Force - The Air Force Fuels Facilities Subject Matter Expert (HQ AFCEC/COS)[[Army - Headquarters, U.S. Army Corps of Engineers, POL-MCX Facilities Proponent (CECW-EC) through the Army Petroleum Center (APC)] [Navy/Marine Corps - NAVFAC POL Facility Subject Matter Expert (NAVFAC EXWC, CI11)]]]. In addition to the definitions in Section 01 33 00 SUBMITTAL PROCEDURES, the following provisions apply:

1.1.1 SD-02 Shop Drawings

Drawings must be a minimum of A3 sheetANSI B in size, with a minimum scale of 1:1001/8 inch per foot, except as specified otherwise. Include floor plans, sectional views, wiring diagrams, and installation details of equipment; and equipment spaces identifying and indicating proposed location, layout and arrangement of items of equipment, control panels, accessories, piping, ductwork, and other items that must be shown to assure a coordinated installation. Wiring diagrams must identify circuit terminals, and indicate the internal wiring for each item of equipment and the interconnection between each item of equipment. Drawings must indicate adequate clearance for operation, maintenance, and replacement of operating equipment devices. If equipment is disapproved, drawings must be revised to show acceptable equipment and be resubmitted. (Prior to the completion of the contract, on A1 sheet sizeANSI D Adobe.pdf reproducible drawings, for each system, wiring/control diagram and approved system layout drawing must be provided to the Contracting Officer with the operation and maintenance manuals specified herein).

1.1.2 SD-03 Product Data

Submittals for each manufactured item must be manufacturer's descriptive literature of cataloged products, equipment drawings, diagrams, performance and characteristic curves, and catalog cuts. The submittals must also include the manufacturer's name, trade name, catalog model or number, nameplate data, size, layout dimensions, capacity, project specification and paragraph reference, applicable Government, industry, and technical society publication references, years of satisfactory service, and other information necessary to establish contract compliance of each item the Contractor proposes to provide. Photographs of existing installations and data submitted in lieu of catalog data are not acceptable and will be returned without approval.

1.1.2.1 Standards Compliance

When materials or equipment are required to conform to the standards of organizations such as the American National Standards Institute (ANSI), ASTM International (ASTM), National Electrical Manufacturers Association (NEMA), ASME International (ASME), American Gas Association (AGA), American Petroleum Institute (API), Air-Conditioning and Refrigeration Institute (ARI), and Underwriters Laboratories (UL) or equivalent, submit proof of such conformance to the Contracting Officer. Factory Mutual (FM) listing or CSA International (CSA) listing will be acceptable in lieu of any UL listing requirements. If an organization uses a label or listing to indicate compliance with a particular standard, the label or listing will be acceptable evidence, unless otherwise specified in the individual sections. In lieu of the label or listing, submit a certificate from an independent testing organization, which is competent to perform acceptable test and is approved by the Contracting Officer. The certificate must state that the item has been tested in accordance with the specified organization's test methods and that the item conforms to the specified organization's standard. For materials and equipment whose compliance with organizational - standards or specifications is not regulated by an organization using its own listing or label as proof of compliance, submit a certificate of compliance from the manufacturer. The certificate must identify the manufacturer, the product, and the referenced standard and must simply state that the manufacturer certifies that the product conforms to all requirements of the project specification and of the referenced standards listed.

1.1.2.2 Manufacturer's Installation Instructions

Where installation procedures or any part thereof are required to be in accordance with the recommendations of the manufacturer of the material being installed, furnish printed copies of these recommendations prior to installation. Installation of the item will not be allowed to proceed until the recommendations are received. Failure to furnish these recommendations can be cause for rejection of the material.

PART 2 PRODUCTS

2.1 STANDARD PRODUCTS/SERVICE AVAILABILITY

2.1.1 Materials and Equipment

Provide materials and equipment that are standard products of a manufacturer regularly engaged in the manufacturer of such products, which are of a similar material, design and workmanship. The standard products must have been in satisfactory commercial or industrial use for two years prior to start of construction. The two-year use must include applications of equipment and materials under similar circumstances and of similar size. Contracting Officer approval of materials with less than two years experience is allowed if acceptable by the design agency and SME.

2.1.1.1 Experience Required

The two-year experience requirement must be satisfactorily completed for a product which has been sold or is offered for sale on the commercial market through advertisements, manufacturer's catalogs, or brochures.

2.1.1.2 Alternative Service Record

Products having less than a two-year field service record will be acceptable if a certified record of satisfactory field operation for not less than 6000 hours, exclusive of the manufacturer's factory or laboratory test, can be shown. Contracting Officer approval of materials with less than two years experience is allowed if acceptable by the design agency and SME.

2.1.2 Service Support

The equipment items must be supported by service organizations. Submit a certified list of qualified permanent service organizations for support of the equipment which includes their addresses and qualifications. These service organizations must be reasonably convenient to the equipment installation and able to render satisfactory service to the equipment on a regular and emergency basis during the warranty period of the contract.

2.1.3 Manufacturer's Nameplate

Provide a nameplate, on each item of equipment, bearing the manufacturer's name, address, model number, and serial number securely permanently affixed in a conspicuous place; the nameplate of the distributing agent will not be acceptable.

PART 3 EXECUTION

Not Used

-- End of Section --