

(September 2021)

PERFORMANCE CRITERIA
FOR

SECTION 12 40 00

FURNISHINGS AND ACCESSORIES
09/21

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GENERAL

This Performance Criteria (PC) specifies the requirements for furnishings and accessories.

1.1 REFERENCE

1.1.1 Unified Facilities Criteria (UFC)

Contractor must comply with the following:

- A. UFC 1-200-01 General Building Requirements
- B. UFC 1-200-02 High Performance and Sustainable Building Requirements
- C. UFC 4-510-01 Military Medical Facilities
- D. UFC 3-120-10 Interior Design

1.1.2 Military Standard

- A. MIL-STD 1691 Construction and Material Schedule for Military Medical, Dental, Veterinary and Medical Research Laboratories

1.1.3 National Fire Protection Association (NFPA)

- A. NFPA 99 Healthcare Facilities Code
- B. NFPA 101 Life Safety Code
- C. NFPA 260 Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture
- D. NFPA 701 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

1.1.4 Military Health System Standards

- A. Reserved for future.

1.1.5 American Society for Testing and Materials (ASTM)

- A. ASTM D4157 Standard Test Method for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method)
- B. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials

1.1.6 Underwriters Laboratories (UL)

- A. UL 60601-1 Medical and Electrical Equipment, Part 1: General Requirements for Safety

1.1.7 International Electrotechnical Commission (IEC)

- A. IEC 60601 Medical Electrical Equipment and Systems]

1.1.8 State of California Department of Consumer Affairs

- A. California Technical Bulletin 117-2013

1.1.9 Other Standards

- A. Reserved for future.

2.1 DESCRIPTION & MATERIALS

All requirements within the MIL-STD 1691 JSN descriptions are to be met as well as the performance guidelines listed in the following descriptions.

2.1.1 All JSN'S

- A. Fire and flame spread of fabrics must meet class A flame spread with maximum smoke developed of 450 as outlined by testing within the reference standards.
- B. Product finishes must be capable of maintaining sheen and color through warranty period when using industry standard cleaning and disinfection solutions.
- C. Finishes and fabrics must be selected from the manufacturers' standard options for the specified model unless noted otherwise.
- D. Fabrics (upholstery or drapery) must be polyurethane free.
- E. Chrome plating must not be utilized as a finish.
- F. Wherever possible, finishes must be inherently resistant to bacterial or fungal growth.

2.1.2 Toilet, Bath and Laundry Accessories

A5045 – Hair Dryer, Wall-Mounted, Patient Room

- A. Unit must be wall mounted.
- B. Must have 2 speeds.
- C. Must have 2 heat settings.
- D. Wattage must be 1500 watts minimum.
- E. Must have an automatic shut-off when returned to the holder.
- F. Motor must be smooth and quiet in operation.

2.1.3 Draperies

A6305 – Draperies, Pair

A6306 – Draperies, Blackout

- A. Draperies must be flame retardant.
- B. Provide backing.
- C. Window treatments measurements must be measured and confirmed in the field.

2.1.4 Tack Boards

E0851 – Display, Tackboard & Markerboard, Wall Mtd

F3010 – Board, Bulletin, 48 x 48

F3025 – Board, Bulletin, Wood Framed

- A. Boards must have moisture proof backing.
- B. Tackboard must have tackable surface.
- C. Unit must be wall hanging.

2.1.5 Library

F0545 – Cart, Library, Mobile

- A. Library cart must be mobile.
- B. Must have 4 sloping shelves.
- C. Must have 4 heavy duty caster wheels.

2.1.6 Workstation

F0680 – Workstation, PACS, Adjustable, Single-Monitor

F0681 – Workstation, PACS, Adjustable, Dual-Monitor

F0682 – Workstation, PACS, Adjustable, Four-Monitor

- A. Work surface must be laminate.
- B. Provide keyboard arm.
- C. Work station must include CPU holder.
- D. Provide monitor arm.

2.1.7 Waste Receptacles

F2000 – Basket, Wastepaper, Fire Resistant

F2005 – Basket, Wastepaper, Executive Wood

F2010 – Basket, Wastepaper, Step-On

F2015 – Basket, Wastepaper, Metal/Plastic, 2 Swinging Doors

F2016 – Waste Receptacle, 40 GAL

F2017 – Waste Receptacle, 24 GAL

F2020 – Can, Trash, 44 Gallon

F2025 – Container, Recycling, Small

F2026 – Container, Recycling, Large

- A. Must have opening at the top for disposal of trash.
- B. Trashcans must have a door or drawer opening for easy trash removal.
- C. Surfaces must be an easily cleaned material.
- D. Recycling bins must be labeled for cans, glass, plastic, waste, etc.
- E. Waste receptacles must be appropriately labeled and classified for medical waste, as required.
- F. Receptacle liners must be available, as required.
- G. [Provide wheel dolly and lid.]

2.1.8 Magazine/ Pamphlet Rack

F2300 – Rack, Magazine, Wall Mounted

F2310 – Rack, Pamphlet

- A. Unit must be wall mounted.
- B. Magazine rack must be constructed of plastic laminate, powder-coated metal, or solid wood.

F2305 – Rack, Magazine, F/S

- A. Unit must be free standing.
- B. Must have at least 5 shelves or pockets to hold magazines.
- C. Magazine rack must be constructed of plastic laminate, powder-coated metal, or solid wood.

2.1.9 Lamps

F2420 – Lamp, Table, With Shade

F2422 – Lamp, Floor, LED

F2435 – Lamp, Desk, Florescent

- A. Color temperature must be 2700 K – 3500 K.
- B. Must have a modular cord.
- C. Some table lamp models offer tamper-resistant housing for bulb/shade and a bolt-down feature (extended pipe fitting for through-surface installation into table or work surface) for use in Behavioral Health areas.

2.1.10 Marker Boards

F3030 – Board, Scheduling, Magnetic

F3045 – Whiteboard / Projection Screen, Cabinet

F3050 – Whiteboard, Dry Erase

F3055 – Whiteboard, With Sliding Panels

F3060 – Whiteboard, Projection Screen Combination

F3065 – Whiteboard/Bulletin Board, Combination

- A. Marker board must be magnetic.
- B. Surface must be compatible with marker pens or water color pens.
- C. Unit must be attached to the wall.
- D. Marker board must be dry-erase and cleaned easily, without ghosting.
- E. Marker board surface must include porcelain enamel over metal or tempered/ low iron glass
- F. Marker board must accept a variety of accessories (eraser, marker tray, magnets, etc.)
- G. Combination marker board/bulletin board must have tackable surface.

2.1.11 Chalkboard

F3035 – Chalkboard

- A. Chalkboard must be constructed out of porcelain on steel.
- B. Must have satin finish.
- C. Backing on chalkboards must be moisture-proof.
- D. Chalkboards must include an attached full-length chalk tray.

2.1.12 Display Cases

F3070 – Case, Display

- A. Must have lighting element within case.
- B. Must have glass doors.
- C. Must be constructed with glass or acrylic adjustable shelves.
- D. Case must be 24" wide minimum.
- E. Provide [Fabric] [Mirror] backing.
- F. Must have locking option.

F3075 – Case, Display, Eyewear, Rotary

- A. Must be a rotary style display.
- B. Must be free-standing on floor.
- C. Must have lighting element within case.
- D. Must provide for multiple pairs of eyeglasses.

F3080 – Case, Display, Eyewear, Wall Mounted

- A. Must be wall mounted.
- B. Must provide for multiple pairs of eyeglasses on display rods.
- C. Must be constructed primarily of Acrylic or glass.
- D. Case must be 24" wide minimum.

2.1.13 Clocks

F3200 – Clock, Battery, 12" Diameter

F3202 – Clock, Ship's, With Barometer

- A. Clocks must be analog.
- B. Must run on a quartz battery movement.
- C. Clock must feature sweep second hand and easy-to-read numbers.

2.1.14 Coat Rack

F3230 – Rack, Hat / Coat, Wall Mounted

F3235 – Rack, Hat / Coat, Floor Standing

- A. Must constructed of aluminum or steel.
- B. Must provide at least one hanger bar.
- C. Rack must include a shelf.
- D. Rack must be 24" in length minimum.

2.1.15 Step Stools

F0350 – Stool, Step, Retractable Caster

F0355 – Footstool, Straight

F0360 – Footstool, Straight w/Handle

- A. Step stools must be tested for 250 lbs [113 kg] minimum capacity.

2.1.16 Miscellaneous

A5125 – Rack, Crutch, Wall Mounted

- A. Unit must be wall mounted.
- B. Unit must be constructed of powdercoated steel with hangers.

A5155 – Costumer, Wall, Executive

- A. Must include hardware to be wall mounted.
- B. Must be constructed from solid hardwood or wood laminate panel.
- C. Must include a minimum of 3 hooks and 2 matching solid wood hangers.

A5185 – Track, Drapery, Ceil/Wall Mntd, Sngl Channel Cord

- A. Drapery track must be a single channel cord drapery track.
- B. Must be adjustable with mounted brackets and slides.
- C. Drapery track must be made of thick extruded aluminum.
- D. Drapery track must be equipped with self-lubricating carriers, beaded drop chain, hooks, removeable end caps, and curtain.

A6311 – Blinds, Window, Mini w/ Brackets

- A. Must contain child proof tassels.
- B. Must include mounting bracket and hardware.

CB061 – Cabinet, Bathroom, Personal Item Storage

- A. Must include hardware to allow for wall mounting.
- B. Provide single or double magnetic latch doors.
- C. Cabinet must contain shelves.

F8010 – Flags, Command & Staff

2.1.17 Artwork

A6045 – Artwork, Mural, Wall

A6046 – Artwork, Decorative, With Frame

- A. This JSN is to be used for determining and defining locations of decorative artwork.

3.1 SUBMITTALS

3.1.1 Submittals required for government review

- A. Submittal requirements are outlined in [Division 01] [PWS SOW] [___]
- B. [Product Information must include manufacturer's installation instructions, sizing (including required clearance for access and maintenance), utility requirements, isometric drawings, tagged floorplans showing placement for count accountability and accessories/options/consumables lists.]
- C. All submittals require Government approval prior to procurement. Submit all listed items herein, with information sufficient to show full compliance with the criteria. Submit all product selections for review and approval, including but not limited to: materials, finishes, colors, options, accessories, and complimentary products. Provide for review all warranties and service contracts and any available extended warranty or service options.
- D. Samples: Furnish material samples and full range of color selection options for all items that offer material and color selections.
- E. Submit and highlight all applicable options for Government review for all items which optional accessories are provided.
- F. [Joint Interoperability Test Command (JTIC) Approval Documentation.]

3.2 QUALITY ASSURANCE

3.2.1 Materials and Equipment

- A. Materials and equipment must be standard products of a manufacturer regularly engaged in the manufacture of

products which are of a similar material, design, and workmanship and are offered for sale on the commercial market through advertisements, manufacturer's catalogs, or sales brochures. The products must have been in commercial or industrial use under similar circumstances and of similar size for 2 years prior to selection for approval/procurement. Products must be supportable for at least three years after government acceptance.

3.2.2 Alternative Service Record

A. Products having less than a 2-year field service record will be acceptable if a certified record of the manufacturer's factory or laboratory tests demonstrating performance compliance is provided to the Contracting Officer.

3.2.3 Service Support

A. Equipment items must be supported by service organizations located near the equipment installation, able to service the equipment on a regular basis and respond to emergency calls throughout the warranty period.

3.2.4 Manufacturer's Nameplate

A. Each item of equipment must have an attached nameplate that is securely affixed in a conspicuous space. A nameplate listing only the name of the distributing agent is not acceptable. The nameplate must contain the following fields in English:

1. Manufacturer's name and address
2. Model and Serial Number
3. Item's utility ranges and/or capacities
4. Voltage, amperage, and applicable Underwriters Laboratory (UL) or Conformité Européenne (CE) rating if electrically powered
5. Date of manufacture

3.2.5 Factory Inspection

A. Arrange and perform all quality control and quality assurance inspections required by the technical sections of the criteria, unless otherwise specified. Report these inspections in the daily report to the Government inspector.

3.2.6 Product Qualifications

A. The products specified in the technical sections of this criteria establish standards for each item.

3.2.7 Design Parameters

A. It is not the intention of this Criteria to limit consideration to products of specific manufacturers. The product standards establish the characteristics for which submitted items of equipment will be reviewed and approved by the Government. Equipment furnished must meet each of the following parameters specified in the technical sections:

1. Size of equipment
2. Function of equipment
3. Standard and listed accessories and options
4. Equipment controls and performance of equipment
5. Construction of equipment
6. Finish

3.3 STANDARDS DEVIATIONS

3.3.1 Reporting and Submission for Approval

A. Submit for approval a record of deviations from the standards listed in section (3.2.7.A.) established for each specified product, before ordering equipment.

3.4 DELIVERY, STORAGE AND PROTECTION

3.4.1 Packaging and Transporting

A. Each unit of equipment must be placed in a substantial shipping container or crate for safe transportation to final destination. The shipping container or crate for heavy equipment must be on skid construction to facilitate handling by lift equipment.

3.4.2 Packing List

- A. Clearly and legibly indicate on exterior of each container or crate the shipping address and a brief description of contents. Fasten to outside of container a packing list and complete instructions for uncrating equipment and setting it in place. Protect such information in a weatherproof envelope.

3.4.3 Protection

- A. Properly protect all materials and equipment from injury and damage during storage, installation, and acceptance.

3.5 INSTALLATION, VERIFICATION AND ACCEPTANCE TESTING

3.5.1 Qualifications of Installers and Inspectors

- A. If required by product warranty, use installers that are approved and licensed by the manufacturer. When required to complete installation, all electricians and plumbers used must be bonded and licensed in the project's jurisdiction.
- B. [Company specializing in installing the products specified in this section must have a minimum 5 years of documented experience.]
- C. [Company specializing in installing the products specified in this section must be within 200 miles or 4 hours travel time.]

3.5.2 Installation, Operation, Testing and Certification

- A. Products must be delivered in manufacturer's original packaging with manufacturer's installation instructions. Include clearly marked project reference.
- B. Prior to installation, thoroughly examine the equipment, materials, and components for both visual defects and conformance with criteria.
- C. Install all equipment in compliance with manufacturer's written instructions and installation procedures.
- D. After installation, the equipment must be inspected and tested under operating conditions. If the equipment fails an inspection or test, such defects/failures must be corrected. Upon correction of defects/failures, inspect and retest all affected functions related directly and indirectly to the defect or failure. Corrections, replacement, and retesting must be made at no additional expense to the Government.
- E. Provide all items necessary to make equipment fully functional.
- F. Provide appropriately trained personnel to energize, commission, inspect, electrical safety check, calibrate, certify, and provide all required technical testing for equipment and systems. Contractor must provide documentation, test reports and certification documentation attesting that the equipment is properly installed, functional, safe, calibrated, and ready for its intended use.
- G. An equipment item will be considered defective if it cannot be made to meet all established criteria consistent with the activities listed in section (F).
- H. Provide two sets of special tools, software, and any other item/s for each equipment [item] [item type] if required for maintenance and/or future reconfiguration of the item.
- I. Contractor to supply all start-up supplies for medical equipment for a fully operational installation. Contractor must supply to the Government a listing of all needed supplies for ongoing equipment operation for each item of equipment requiring additional supplies for operation.
- J. Engage a factory-authorized service representative to train Government's staff and maintenance personnel to adjust, operate, and maintain medical equipment.
- K. [Confirm functionality of required interfaces to other systems and networks.]

3.6 WARRANTY

3.6.1 Minimum Requirements

- A. Warranty requirements are outlined in [Division 01] [PWS SOW] [____].
- B. [Provide manufacturer's written warranty for all items listed. Provide warranty for a minimum of (1) year against defects in materials and workmanship. Warranty must provide for material, labor and all associated replacement and/or repair costs required to provide for a fully operational equipment replacement or repair. Submit manufacturers and installers standard service contract beyond the warranty period for Government review. Warranty must be transferrable to the final owner without risk of being voided. All warranty certification and documentation must be provided to the final owner after date of acceptance.]
- C. Provide routine warranty service in accordance with manufacturer's warranty requirements, for a period of [12

months (minimum)] [____] after the open for business date. Perform work during regular working hours. Perform service only by factory trained personnel. Maintain a maintenance log of all service orders performed during the warranty period.

3.7 OPERATIONS AND MAINTENANCE (O & M)

3.7.1 Provide the following to the final owner

- A. Provide O & M data for all FFE-LVS as outlined in [Division 01] [PWS SOW] [____].
- B. Upon completion of equipment installation, furnish [two (2)] copies of operators/service/maintenance manuals for each type of equipment which will require service or maintenance
- C. Each manual must contain operating instructions and information required for performing periodic maintenance on the equipment. Each service manual must include an illustrated parts breakdown which identifies each part of the unit with manufacturer's part number, wiring diagrams, and a list of necessary service parts, tools, and equipment needed to support maintenance requirements.
- D. Accessory Catalogs: Upon completion of the Project, furnish two copies of the manufacturer's catalogs containing optional accessory items available for all equipment relative to the procured equipment/system delivered herein.
- E. Provide instruction video for cleaning and maintenance, when available.
- F. Provide cleaning requirements for all items to prevent void of warranty.
- G. [Provide contact information for Repair Technician or Emergency Repair Company]
- H. Provide contact information to [Logistics, Pharmacy, Laboratory, and Biomedical Equipment Services.]
- I. Train designated staff in the operation and maintenance of the provided equipment/system. Provide two training sessions for equipment/system users and two training sessions for maintenance personnel scheduled to accommodate shift work. [Provide training certificates that can be executed up to eleven months after the system is installed, in order to provide a refresher course for each group of trainees.] Provide DVD copy of the training with the O & M data.

--End of Section--