

**BY ORDER OF THE COMMANDER
AIR EDUCATION AND TRAINING
COMMAND**

AF INSTRUCTION 32-6004

**AIR EDUCATION AND TRAINING COMMAND
Supplement 1**



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Civil Engineering

FURNISHINGS MANAGEMENT

“HOLDOVER”

“The basic publication has changed; impact on supplemental information is under review by the OPR. Users should follow supplemental information that remains unaffected.”

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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AFI 32-6004, 18 April 2002, is supplemented as follows:

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SUMMARY OF REVISIONS

This document is substantially revised and must be completely reviewed. Adds Attachment 9 (AETC Furniture Standards) and Attachment 10 (AETC Mattress Standards).

1.3. Housing Programs (HQ AETC/CEPH) is the central contact point for all matters involving furnishings management.

1.6.1.8. Report excess items to HQ AETC/CEPH.

1.6.1.9. Provide HQ AETC/CEPH a copy of meeting minutes of the Quarters Improvements Committee (QIC) and a copy of the base Quarters Improvement Plan (QIP).

1.7.2. Nonprior service students are not required to sign for individual room furniture or furnishings.

3.3. Use AETC Form 300, **Furniture and Equipment Issue/Turn-in Request**, to record issue and turn-in actions.

3.9. (Added)(AETC) Form Prescribed. AETC Form 300.

A3.1.1.1.4. See Attachment 9 (Added)(AETC) for AETC furniture standards and Attachment 10 (Added)(AETC) for mattress standards.

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2 Attachments (Added)(AETC)

9. AETC Furniture Standards

10. AETC Mattress Standards

Attachment 9 (Added)(AETC)**AETC FURNITURE STANDARDS**

A9.1. (Added)(AETC) Furniture Standards. See Table A9.1 (Added)(AETC) for the AETC furniture standards. All items must be on a current General Services Administration (GSA) contract and meet or exceed the minimum standards.

Table A9.1. (Added)(AETC) AETC Furniture Standards.

I T E M	A Name	B Standard
1	Warranty	All items including case goods, tables, and chairs will carry a minimum warranty of 3 years against product defects and/or poor workmanship. The manufacturer will repair or replace all items found defective at no cost to the government.
2	Style	Furniture will have simple lines and durable construction for heavy daily usage. The front of all case goods will be made of solid hardwood (oak, maple, cherry, etc. [except hackberry or luan]), including a front frame of 51 millimeters (mm) 2 inches (") wide with rounded (no sharp) edges. The solid base may be recessed.
3	Construction	Solid hardwood, color matched, or plain sliced book-matched veneer on 5- or 7-ply hardwood lumber-core or veneer-core plywood. All three options require a 51mm (2") wide by 19 mm (3/4") thick solid hardwood front frame. On upper pieces like desk hutches, front frames are not required. No particleboard or fiberboard is allowed, except as core material in the high-pressure laminated tops described in item 4.
4	Top Surfaces up to 1,600 mm (63") high, writing surfaces up to 1,220 mm (48") high	Top surfaces of night stands, bachelor chests, dressers, armoires, and other pieces up to 1,600 mm (63") high, including horizontal surfaces of interior compartments on drop-lid desks, TV armoires, microwave stands, and all other writing surfaces up to 1,220 mm (48") high will have high pressure laminated tops a minimum of 19 mm (3/4") thick. If particleboard or multidensity fiberboard is used for base to laminate surfaces, the core must be edge banded on all four sides, with a minimum of 10 mm (3/8") thick hardwood edge banding. If plywood is used as the core material, 10 mm edge-banding will be provided on all exposed edges, including the back edge of the tops. The high-pressure laminate thickness will be .048", and the

I T E M	A	B
	Name	Standard
		backer sheet will be .020". The top must be screwed to the case on all four sides through screw cleats and/or front and back rails. The tops will be flush on all cases.
5	Side panels, adjustable shelves, bottom panels, tops above 1,600 mm (63") high and headboard and footboard panels	Panels will either be out of solid hardwood or veneer or lumber core with hardwood veneer minimum 19 mm (3/4") thick.. The solid hardwood front frame will be a minimum of 51 mm (2") wide and 19 mm (3/4") thick. All other exposed front edges will be 10 mm (3/8") thick solid hardwood. The back and bottom edges of the finished hardwood lumber core side panels will be edge banded at a minimum with hardwood veneer and chamfered 2 to 3 mm. The top edges of the same end panels must be edge banded, if exposed.
6	Doors, drop lids, pullout shelves, and swivel shelves	All will be 19 mm (3/4") thick hardwood lumber core with 10 mm (3/8") thick hardwood banding on all exposed edges. Solid hardwood drop lids and pullout shelves are not allowed. Drop lids will be recessed 90 mm. Computer trays, TV swivels, and pullout shelves will support a 200-pound test load in the open and/or pulled out position. (For construction, see "Top Surfaces").
7	Drawers	Drawer fronts will be 19 mm (3/4") thick solid hardwood. Drawer sides and backs will be 11 mm (7/16") thick and all hardwood veneer core plywood or solid wood. Drawer height and width will be maximum 25 mm (1") smaller than the drawer frame opening, side-mounted drawer slides rated for 100 pound capacity per drawer with in and out stops. Drawer bottoms will be 6 mm (1/4") plywood. Drawer construction will be French dovetailed sides to drawer front and conventional dovetail back to sides. The perimeter of the drawer bottom will be glued to the front, sides, and drawer back from below. The depth of drawers will be within 2" of the case back panel.
8	Back Panels	The back panel will be a minimum of 12 mm (1/2") thick hardwood veneered hardwood plywood. Back panels that will be visible from both sides (such as wardrobes, drop-lid desks, one-drawer night stands, entertainment centers, and armoires) will be hardwood veneered and finished from both sides. The back panels will be grooved and glued into the end panels. The back panels in all cases are considered exposed.

I T E M	A	B
	Name	Standard
9	Internal Construction	Interior framing will have a minimum of front and back hardwood rails on every drawer level. Exposed frame rails will be solid hardwood. Frame rails will be a minimum of 38 mm (1 1/2") by 19 mm (3/4") thick. Rails will be mortised, doweled, or tenoned to side panels. Cases will have full-length screw cleats, screwed and glued corner blocks 44 mm (1 3/4") square with glides and leveling glides, on all four corners on cases over 30" high. Dust shields are required only in the bottom on all units with drawers. The dust shield will be a minimum of 5 mm (3/16") thick plywood; hardboard or cardboard is not allowed.
10	Mirrors	Mirror quality plate glass, 6 mm (1/4") thick, \pm 1.2 mm. Best commercial quality and a distortion free reflected image is required.
11	Hardware:	Exposed hardware will be brass plated. Concealed hardware will be finished to complement adjacent surfaces.
12	a. Catches	Roller or magnetic heavy duty.
13	b. Glides	Nonskid, rust-free steel with nylon glides. Adjustable leveling glides on all four corners on cases over 762 mm (30") high.
14	c. Hasps and Scuff Plates	When required by the item description, locking hasps will be screwed to the back of the doors. Through-the-door single hasps are <u>not</u> allowed.
15	d. Shelf Supports	Four adjustable metal push- or screw-in shelf supports with cushioned tabs per shelf. Five-position adjustment. Minimum distance between each shelf is 32 mm (1 1/4").
16	e. Lid Supports	All metal, adjustable-tension flap with brake, two per drop lid. Each will be provided with at least one bolt-through fastener on each end.
17	f. Door Hinges	Heavy-duty, semiconcealed 70 mm (2 3/4") wide, five knuckle hinges, will not protrude past the sides of the cabinet. Hinges will provide a 270-degree opening angle. Bolt-through fasteners will be provided.
18	g. Drop Lid Hinges	Piano-type, minimum 0.087 mm thick continuous steel hinge, brass plated.
19	h. Lights	When specified, 15-watt fluorescent-type with on/off switch. Light fixtures with metal housing only.
20	i. Surge-Protected Outlets	When specified, a minimum two outlets and 10-foot cord.

I T E M	A	B
	Name	Standard
21	j. Grommets	Where needed, a minimum 38 mm (1 1/2") diameter for light plugs only. A 50 mm (2") diameter for all other applications.
22	Finish (as specified)	Must meet specifications outlined in <i>AWI Quality Standards</i> , 7th Edition, Version 1.2, 1999, under Section 1500-S-4-TR2 (Premium Finishes for Open Grain Woods). To order a copy, see http://www.awinet.org/publications/index.asp .

Attachment 10 (Added)(AETC)

AETC MATTRESS STANDARDS

A10.1. (Added)(AETC) Mattress Standards. See Table A10.1 (Added)(AETC). **NOTE:** These are minimum commercial standards and are available in mattresses from all major manufacturers. The Federal Prison Industry manufactures a mattress called “Nightingale,” which meets these criteria. “Standard Dormitory Mattress” is the Sealy® equal; “Spana II” is the Simmons® equal.

Table A10.1. (Added)(AETC) Mattress Standards.

I T E M	A	B
	Name	Standard
1	Count, type	312 Bonnell coils
2	Gauge, turn	13 1/2 turns
3	Border wire	6 gauge
4	Upholstery: a. Insulator:	standard primary insulator (SPI) pad
5	Density	2.0 oz/sq ft
6	b. Felt batt:	heavy fire-resistant cotton
7	Base weight	3.0 oz/sq ft
8	c. Topper	1/2” Neoprene foam
9	d. Topper 2	Multineedle
10	Surface treatment	smooth top
11	Tick	10 1/2 oz, antibacterial, liquid proof
12	Border	vertical stitched
13	Mattress size: a. 35X75	Coil count: 192
14	b. 35X80	208
15	c. 35X84	216
16	d. 39X80	234
17	e. 53X75	312
18	f. 53X80	338