

**DEPARTMENT OF HOUSING AND
URBAN DEVELOPMENT**
24 CFR Part 3280
[Docket No. FR 4376-P-01]
RIN 2502-AH23
**Manufactured Home Construction and
Safety Standards**
AGENCY: Office of the Assistant
Secretary for Housing—Federal Housing
Commissioner, HUD.

ACTION: Proposed rule.

SUMMARY: HUD is proposing to amend the Federal Manufactured Home Construction and Safety Standards (FMHCSS) to update many of the standards that are incorporated by reference therein. These reference standards, which are developed by voluntary consensus or industry groups, provide necessary technical standards for the FMHCSS. These proposed amendments would keep the FMHCSS current with the industries that use these reference standards by incorporating the latest edition of these standards and new relevant standards.

DATES: Comment Due Date: December 29, 1998.

ADDRESSES: Interested persons are invited to submit comments regarding this proposed rule to the Rules Docket Clerk, Office of the General Counsel, Room 10276, Department of Housing and Urban Development, 451 Seventh Street SW, Washington, DC 20410. Communications should refer to the above docket number and title. A copy of each communication submitted will be available for public inspection and copying between 7:30 a.m. and 5:30 p.m. weekdays at the above address. Facsimile (FAX) comments will not be accepted.

FOR FURTHER INFORMATION CONTACT: David R. Williamson, Director, Office of Consumer and Regulatory Affairs, Room 9156, Department of Housing and Urban Development, 451 Seventh Street SW, Washington, DC 20410; telephone (202) 708-6423 (this is not a toll-free number). Persons with hearing or

speech impairments may access that number toll-free via TTY by calling the Federal Information Relay Service at (800) 877-8399.

SUPPLEMENTARY INFORMATION:
I. Background

The National Manufactured Housing Construction and Safety Standards Act of 1974 (42 U.S.C. 5401 et seq.) (the Act) authorizes the Secretary of HUD to establish and amend the Federal Manufactured Home Construction and Safety Standards (the Standards), codified in 24 CFR part 3280. The purposes of the Act are "to reduce the number of personal injuries and deaths and the amount of insurance cost and property damage resulting from manufactured home accidents and to improve the quality and durability of manufactured homes" (42 U.S.C. 5401). Additionally, OMB Circular A-119, as revised on February 19, 1998 (63 FR 8546) for consistency with the National Technology Transfer and Advancement Act of 1995 (Pub. L. 104-113; 110 Stat. 775) (NTTAA), requires Federal agencies to use appropriate technical standards that are developed or adopted by private sector standards entities. Section 15(b)(7) of OMB Circular A-119 encourages agencies to review, in a timely manner, their regulations that may reference obsolete and outdated standards. In accordance with the Act and these purposes, HUD is issuing these proposed amendments to the FMHCSS for public comment.

Through this proposed rule, HUD identifies those standards incorporated by reference in the FMHCSS for which it has evaluated updated voluntary consensus and industry standards and recommends adoption of updated standards in accordance with section 11 of OMB Circular A-119. This proposed rule only includes updates for those reference standards for which HUD is ready to accept a more recent edition. In those areas for which this rule is not proposing a more recent edition, HUD considers future rulemaking to be more appropriate. HUD intends to review the currency and applicability of the incorporated reference standards

regularly, and to prepare proposed amendments to update them on a 2-year cycle. Where a reference standard change would impose additional compliance burdens or affect the performance of the homes, HUD will always consider the advisability of separate rulemaking.

Since these proposed amendments only involve reference standards, the presentation of the changes and discussion is in the form of tables. These tables will list the reference standards by their designation, edition date, title, and the sections of the FMHCSS in which it can be found. Table 1 lists all the reference standards currently in the FMHCSS. Table 2 lists all the reference standards that this rule proposes to include in the FMHCSS. An indicator with each reference standard will provide the action being taken on each standard by this proposed rule. Table 3 lists those organizations providing the reference standards to be incorporated. Table 4 lists new reference standards that previously were not referenced in the FMHCSS, and provides specific comments about some of the standards. (Note: The reference standards in Table 4 are also listed in Table 2.) Table 5 lists those reference standards that would be deleted from the FMHCSS.

II. Comments Requested

This proposed rule invites public comment prior to the final issuance of changes to the standards referenced in part 3280. Commenters are urged to identify and address the particular standards for which comment is being submitted. Commenters also may offer suggestions for more appropriate or more current substitutions of specific proposed standards.

III. Reference Standards Currently In Effect (Table 1)

Table 1 lists those reference standards currently in effect in the FMHCSS. The last column in Table 1 indicates those sections of part 3280 in which the applicable standard is referenced.

TABLE 1.—LIST OF STANDARDS CURRENTLY REFERENCED IN 24 CFR PART 3280

Standards designation	Date	Title	24 CFR part 3280 reference
AA	1986	Specification for Aluminum Structures, Construction Manual Section 1, Fifth Edition.	3280.304(b)(1).
AAMA 1503.1	1988	Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors, and Glazed Wall Sections.	3280.508(e).

TABLE 1.—LIST OF STANDARDS CURRENTLY REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
AAMA 1701.2	1985	Primary Window and Sliding Glass Door Voluntary Standard for Utilization in Manufactured Housing.	3280.403(b) 3280.403(e) 3280.403(e)(2) 3280.404(b)
AAMA 1702.2	1985	Swinging Exterior Passage Doors Voluntary Standard for Utilization in Manufactured Housing.	3280.405(b) 3280.405(e) 3280.405(e)(2) 3280.404(b) 3280.404(e)
AAMA 1704	1985	Voluntary Standard Egress Window Systems for Utilization in Manufactured Housing.	3280.304(b)(1)
AFPA	1991	National Design Specifications for Wood Construction With Supplement, Design Values for Wood Construction.	3280.304(b)(1)
AFPA	1992	Wood Structural Design Data	3280.304(b)(1)
AFPA	1992	Design Values for Joists and Rafters, American Softwood Lumber Standard Sizes.	3280.304(b)(1)
AISC	1989	Specification for Structural Steel Buildings Allowable Stress Design and Plastic Design.	3280.304(b)(1) 3280.305(i)(1)
AISI	1989	Specification for the Design of Cold-Formed Steel Structural Members.	3280.304(b)(1) 3280.305(i)(1)
AISI	1974	Stainless Steel Cold-Formed Structural Design Manual	3280.304(b)(1) 3280.305(i)(1)
AISI	1973	Manual for Structural Applications of Steel Cables for Buildings	3280.304(b)(1)
AITC A190.1	1992	For Wood Products-Structural Glued Laminated Timber	3280.304(b)(1)
ANSI A208.1	1989	Wood Particleboard	3280.304(b)(1)
ANSI C73.17	1972	Dimensions of Caps, Plugs and Receptacles, Grounding Type ...	3280.803(g)
ANSI Z21.1b	1993	Household Cooking Gas Appliances	3280.703
ANSI Z21.5.1	1992	Gas Clothes Dryers Type I	3280.703
ANSI Z21.10	1992	Gas Water Heaters	3280.707(d)(2).
ANSI Z21.15	1992	Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves.	3280.703.
ANSI Z21.19	1992	Refrigerators Using Gas Fuel	3280.703.
ANSI Z21.20	1992	Automatic Gas Ignition Systems and Components	3280.703.
ANSI Z21.21	1992	Automatic Valves for Gas Appliances	3280.703.
ANSI Z21.22a	1990	Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems.	3280.604(b)(2).
ANSI Z21.23a	1991	Gas Appliance Thermostats	3280.703.
ANSI Z21.24	1992	Metal Connectors for Gas Appliances	3280.703.
ANSI Z21.40	1982	Gas Fired Absorption Summer Air Conditioning Appliances	3280.703 3280.714(a)2.
ANSI Z21.47	1992	Gas-Fired Central Furnaces	3280.703.
ANSI Z34.1	1982	For Certification—Third-Party Certification Program	3280.405(e)(1).
ANSI Z34.1	1987	For Certification—Third-Party Certification Program	3280.403(e)(1).
ANSI Z97.1	1984	Safety Performance Specifications and Methods of Test for Safety Glazing Materials Used in Buildings.	3280.113(b). 3280.304(b)(1). 3280.403(d)(1). 3280.607(b)(3)(iii).
ANSI Z124.1	1991	Plastic Bathtubs Units With Addenda	3280.604(b)(2).
ANSI Z124.2a	1990	Plastic Shower Receptors and Shower Stalls With Addendum ...	3280.604(b)(2).
ANSI Z124.3a	1990	Plastic Lavatories With Addendum	3280.604(b)(2).
ANSI Z124.4a	1990	Plastic Water Closets, Bowls, and Tanks With Addendum	3280.604(b)(2).
ANSI/A190.1 AITC	1992	For Wood Products, Structural Glued Laminated Timber	3280.304(b)(1).
ASME/A112.1.2	1991	Air Gaps in Plumbing Systems	3280.604(b)(2)
ANSI/A112.14.1	1975	Backflow Valves	3280.604(b)(2).
ANSI/A112 ASME 18.1M	1989	Plumbing Fixture Fittings	3280.604(b)(2).
ANSI/A112 ASME 19.1M	1987	Enameled Cast Iron Plumbing Fixtures	3280.604(b)(2).
ANSI/A112 ASME 19.2M	1990	Vitreous China Plumbing Fixtures	3280.604(b)(2).
ANSI/A112 ASME 19.3M	1987	Stainless Steel Plumbing Fixtures (Designed for Residential Use).	3280.604(b)(2).
ANSI/A112 ASME 19.4M	1984	Porcelain Enameled Formed Steel Plumbing Fixtures	3280.604(b)(2).
ANSI/A112 ASME 19.5M	1979	Trim for Water Closet, Bowls, Tanks and Urinals	3280.604(b)(2).
ANSI/A112 ASME 19.7M	1987	Whirlpool Bathtub Appliances	3280.604(b)(2).
ANSI/A112 ASME 19.8M	1989	Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, Hot Tubs and Whirlpool Bathtub Appliances.	3280.604(b)(2).
ANSI/A112 ASME 21.3M	1985	Hydrants for Utility and Maintenance Use	3280.604(b)(2).
ANSI/A112 ASME 26.1	1975	Water Hammer Arresters	3280.604(b)(2)
ANSI/B1. ASME 20.1	1983	Pipe Threads, General Purpose (Inch)	3280.604(b)(2). 3280.703. 3280.705(e). 3280.706(d).
ANSI/B16.3 ASME	1992	Malleable Iron Threaded Fittings	3280.604(b)(2).
ANSI/B16.4 ASME	1992	Gray Iron Threaded Fittings	3280.604(b)(2).
ANSI/B16.15 ASME	1985	Cast Bronze Threaded Fittings, Classes 125 and 250	3280.604(b)(2).

TABLE 1.—LIST OF STANDARDS CURRENTLY REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
ANSI/B16.18 ASME	1984	Cast Copper Alloy Solder-Joint Pressure Fittings	3280.604(b)(2).
ANSI/B16.22 ASME	1989	Wrought Copper and Copper Alloy Solder-Joint Pressure Fitting	3280.604(b)(2).
ANSI/B16.23 ASME	1992	Cast Copper Alloy Solder-Joint Drainage Fittings—DWV	3280.604(b)(2).
ANSI/B16.26 ASME	1988	Cast Copper Alloy Fittings for Flared Copper Tubes	3280.604(b)(2).
ANSI/B16.29 ASME	1986	Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings—DWV.	3280.604(b)(2).
ANSI/B36.10 ASME	1979	Welding and Seamless Wrought Steel Pipe	3280.604(b)(2).
			3280.703.
			3280.705(b)(1).
			3280.706(b)(1).
ANSI/A135.AHA 4	1982	Basic Hardboard	3280.304(b)(1).
ANSI/A135.AHA 5	1988	Prefinished Hardboard Paneling	3280.304(b)(1).
ANSI/A135.AHA 6	1990	Hardboard Siding	3280.304(b)(1).
ANSI 210/ARI 240	1989	Unitary Air-Conditioning and Air-Source Heat Pump Equipment	3280.511(b)
			3280.703
			3280.714(a)(1)
			3280.714(a)(1)(ii).
			3280.714(a)(1)(iii).
ANSI/14 NSF	1990	Plastic Piping Components and Related Materials	3280.604(b)(2).
ANSI/24 NSF	1988	Plumbing System Components for Manufactured Homes and Recreation Vehicles.	3280.604(b)(2).
ANSI/I.S. 1 NWWDA	1987	Wood Flush Doors	3280.304(b)(1).
			3280.405(c)(1).
ANSI/I.S. 2 NWWDA	1987	Wood Windows	3280.304(b)(1).
ANSI/I.S. 3 NWWDA	1988	Wood Sliding Patio Doors	3280.304(b)(1).
ANSI/I.S. 4 NWWDA	1981	Water Repellent Preservative Non-Pressure Treatment for Millwork.	3280.304(b)(1).
APA E 30M	1993	Design/Construction Guide, Residential and Commercial	3280.304(b)(1).
APA S 811M	1990	Design and Fabrication of Plywood Curved Panels	3280.304(b)(1).
APA S 812P	1992	Design and Fabrication of Glued Plywood Lumber Beams	3280.304(b)(1).
APA U 813K	1990	Design and Fabrication of Plywood Stressed-Skin Panels	3280.304(b)(1).
APA U 814G	1990	Design and Fabrication of Plywood Sandwich Panels	3280.304(b)(1).
APA H 815D	1989	Design and Fabrication of All-Plywood Beams	3280.304(b)(1).
APA Y 510Q	1993	Plywood Design Specification	3280.304(b)(1).
APA-PRP E-108P, E445N	1989	Performance Standards and Policies for Structural Use Panels ..	3280.304(b)(1).
APA E 30M	1993	APA Design/Construction Guide, Residential and Commercial	3280.304(b)(1).
ASCE 7	1988	American Society of Civil Engineering Minimum Design Loads for Buildings and Other Structures.	3280.304(b)(1).
			3280.305(c)(1)(ii)(A).
ASHRAE	1989	ASHRAE Handbook of Fundamentals	3280.508(a), (b).
			3280.511(a)(1).
ASME	1986	ASME Boiler and Pressure Vessel Code, VIII, Division 1	3280.704(b)(2).
ASSE 1001	1990	Performance Requirements for Pipe Applied Atmospheric Type Vacuum Breakers.	3280.604(b)(2).
ASSE 1002	1986	Performance Requirements for Water Closet Flush Tank Fill Valves (Ballcocks).	3280.604(b)(2).
ASSE 1006	1986	Plumbing Requirements for Residential Use (Household) Dishwashers.	3280.604(b)(2).
ASSE 1007	1986	Performance Requirements for Home Laundry Equipment	3280.604(b)(2).
ASSE 1008	1986	Performance Requirements for Household Food Waste Disposer Units.	3280.604(b)(2).
ASSE 1011	1982	Performance Requirements for Hose Connection Vacuum Breakers.	3280.604(b)(2).
ASSE 1014	1990	Performance Requirements for Handheld Showers	3280.604(b)(2).
ASSE 1016	1988	Performance Requirements for Individual Thermostatic Pressure Balancing and Combination Control for Bathing Facilities.	3280.604(b)(2).
ASSE 1017	1986	Performance Requirements for Temperature Activated Mixing Valves for Primary Domestic Use.	3280.604(b)(2).
ASSE 1019	1978	Performance Requirements for Wall Hydrants, Frost Proof Automatic Draining, Anti-Backflow Types.	3280.604(b)(2).
ASSE 1023	1979	Performance Requirements for Hot Water Dispensers, Household Storage Type Electrical.	3280.604(b)(2).
ASSE 1025	1978	Performance Requirements for Diverters for Plumbing Faucets with Hose Spray, Anti-Siphon Type, Residential Applications.	3280.604(b)(2).
ASSE 1037	1990	Performance Requirements for Pressurized Flushing Devices (Flushometers) for Plumbing Fixtures.	3280.604(b)(2).
ASTM A53	1993	Standard Specification for Pipe, Steel, Black and Hot-Dipped Zinc-Coated, Welded and Seamless.	3280.604(b)(2).
			3280.703.
ASTM A74	1992	Standard Specification for Cast Iron Soil Pipe and Fittings	3280.604(b)(2).
ASTM A539	1990	Standard Specification for 1983 Electric-Resistance-Welded Coiled Steel Tubing for Gas and Fuel Oil Lines.	3280.703
			3280.705(b)(4).

TABLE 1.—LIST OF STANDARDS CURRENTLY REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
ASTM B42	1993	Standard Specification for Seamless Copper Pipe, Standard Sizes.	3280.604(b)(2) 3280.703.
ASTM B43	1991	Standard Specification for Seamless Red Brass Pipe, Standard Sizes.	3280.604(b)(2) 3280.705(b)(1).
ASTM B88	1993	Standard Specification for Seamless Copper Water Tube	3280.604(b)(2) 3280.703 3280.705(b)(3) 3280.706(b)(3).
ASTM B251	1993	Standard Specification for General Requirements for Wrought Seamless Copper and Copper Alloy Tube.	3280.604(b)(2) 3280.703.
ASTM B280	1993	Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service.	3280.703 3280.705(b)(3) 3280.706(b)(3).
ASTM B306	1992	Standard Specification for Copper Drainage Tube (DWV)	3280.604(b)(2).
ASTM C36	1993	Standard Specification for Gypsum Wallboard	3280.304(b)(1).
ASTM C564	1988	Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings.	3280.604(b)(2) 3280.611(d)(5).
ASTM D781	1973	Standard Test Methods for Puncture and Stiffness of Paperboard, and Corrugated and Solid Fiberboard.	3280.304(b)(1) 3280.305(g)(5).
ASTM D2235	1988	Standard Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings.	3280.604(b)(2).
ASTM D2564	1991	Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems.	3280.604(b)(2).
ASTM D2661	1991	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings.	3280.604(b)(2).
ASTM D2665	1991	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings.	3280.604(b)(2).
ASTM D2846	1992	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot-and Cold-Water Distribution Systems.	3280.604(b)(2).
ASTM D3309	1992	Standard Specification for Polybutylene (PB) Plastic Hot-and Cold-Water Distribution Systems.	3280.604(b)(2).
ASTM D3311	1992	Standard Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns.	3280.604(b)(2).
ASTM D3953	1991	Standard Specification for Strapping, Flat Steel and Seals	3280.306(g)(2) 3280.306(b)(2)(v).
ASTM D4442	1992	Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials.	3280.304(b)(1).
ASTM D4444	1992	Standard Test Methods for Use and Calibration of Hand-Held Moisture Meters.	3280.304(b)(1).
ASTM E-84	1991	Standard Test Method for Surface Burning Characteristics of Building Materials.	3280.203(a).
ASTM E96	1993	Standard Test Methods for Water Vapor Transmission of Materials.	3280.504(a).
ASTM E162	1990	Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.	3280.203(a).
ASTM E773	1988	Standard Test Methods for Seal Durability of Sealed Insulating Glass Units.	3280.403(d)(2).
ASTM E774	1992	Standard Specification for Sealed Insulating Glass Units	3280.403(d)(2).
ASTM E1333	1990	Standard Test Method for Determining Formaldehyde Levels from Wood Products Under Defined Test Conditions Using a Large Chamber.	3280.406(b).
ASTM F628	1991	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40, Plastic Drain, Waste and Vent Pipe with a Cellular Core.	3280.604(b)(2).
CISPI 301	1990	Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications.	3280.604(b)(2).
CISPI HSN	1985	Specification for Neoprene Rubber Gaskets for HUB and Spigot Cast Iron Soil Pipe and Fittings.	3280.611(d)(5)(iv).
FS WWP541E	1980	Plumbing Fixtures (General Specifications)	3280.604(b)(2).
FS ZZR765B	1970	Silicone Rubber, Low and High Temperature and Tear Resistant, Conforming to Rubber, Silicone.	3280.611(d)(5)(iv).
HPMA HP SG	1986	Structural Design Guide for Hardwood Plywood Wall Panels	3280.304(b)(1).
HPMA HP 1	1993	Interim Voluntary Standard for Hardwood and Decorative Plywood.	3280.304(b)(1).
HUD UM 25d	1973	Application and Fastening Schedule: Power-Driven, Mechanically Driven and Manually Driven Fasteners.	3280.304(b)(1).
HUD 5945 USER	1992	Overall U-Values and Heating/Cooling Loads Manufactured Homes, PNL 8006.	3280.508(b).
IAPMO PS 2	1989	Material and Property Standard for Cast Brass and Tubing P-Traps.	3280.604(b)(2).

TABLE 1.—LIST OF STANDARDS CURRENTLY REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
IAPMO PS 4	1990	Material and Property Standard for Drains for Prefabricated and Precast Showers.	3280.604(b)(2).
IAPMO PS 5	1984	Material and Property Standard for Special Cast Iron Fittings	3280.604(b)(2).
IAPMO PS 9	1984	Material and Property Standard for Diversion Tees and Twin Waste Elbow.	3280.604(b)(2).
IAPMO PS 14	1989	Material and Property Standard for Flexible Metallic Water Connectors.	3280.604(b)(2).
IAPMO PS 23	1989	Material and Property Standard for Drainage Dishwasher Airgaps.	3280.604(b)(2).
IAPMO PS 31	1991	Material and Property Standards for Backflow Prevention Assemblies.	3280.604(b)(2).
IAPMO TSC 9	1992	Standard for Gas Supply Connectors for Manufactured Mobile Homes.	3280.703.
IAPMO TSC 22	1985	Standard for Porcelain Enameled Formed Steel Plumbing Fixtures.	3280.604(b)(2).
IAS 3	1987	AGA Requirements for Gas Connectors for Connection of Fixed Appliances for Outdoor Installation, Park Trailers and Manufactured (Mobile) Homes to the Gas Supply.	3280.703.
IIT J 6461	1989	Development of Mobile Home Fire Test Methods to Judge the Fire-Safe Performance of Foam Plastic.	3280.207(a)(4).
MIL L1054E	1975	Liners, Case, and Sheet, Overwrap; Water-Vapor Proof or Waterproof, Flexible.	3280.611(d)(5)(iv).
NFPA 31	1992	Installation of Oil-Burning	3280.703.
	1983	Equipment	3280.707(f).
NFPA 54	1992	Natural Fuel Gas Code	3280.703.
NFPA 58	1992	Standard for the Storage and Handling of Liquefied Petroleum Gases.	3280.703.
NFPA 70	1993	National Electrical Code	3280.704(b)(5)(i).
			3280.801(a).
			3280.801(b).
NFPA 90B	1993	Warm Air Heating and Air Conditioning Systems	3280.703.
NWWDA I.S. 3	1988	Wood Sliding Patio Doors	3280.304(b)(1).
NWWDA I.S. 4	1981	Water Repellent Preservative Non Pressure Treatment for Mill-work.	3280.405(c)(1).
			3280.304(b)(2).
PS 1	1983	Voluntary Product Standard, Construction and Industrial Plywood.	3280.304(b)(1).
PS 2	1992	Performance Standard for Wood-Based Structural Use Panels ..	3280.304(b)(1).
PS 20	1994	American Softwood Lumber Standard	3280.304(b)(1).
SAE J533b	1972	Flares for Tubing	3280.703.
			3280.705(f)(1).
			3280.705(f)(2).
SJI	1992	Standard Specification Load Tables and Weight Tables for Steel Joists and Steel Joist Girders.	3280.304(b)(1).
TPI	1985	Design Specifications for Metal Plate Connected Wood Trusses	3280.304(b)(1).
UL 94	1991	Tests for Flammability of Plastic Materials for Parts in Devices and Appliances.	3280.715(e)(1).
UL 103	1989	Chimneys, Factory-Built Residential Type and Building Heating Appliance.	3280.703.
UL 109	1993	Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service and Marine Use.	3280.703.
UL 127	1992	Factory-Built Fireplaces	3280.703.
UL 174	1991	Household Electric Storage Tank Water Heaters	3280.703.
UL 181	1990	Factory-Made Air Ducts and	3280.703.
	1984	Connectors	3280.715(e).
UL 217	1993	Single and Multiple Station Smoke Detectors	3280.208(c).
UL 307A	1990	Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles.	3280.703.
			3280.707(f).
UL 307B	1987	Gas Burning Heating Appliances for Mobile Homes and Recreational Vehicles.	3280.703.
UL 311	1990	Roof Jacks for Manufactured Homes and Recreational Vehicles	3280.703.
UL 441	1991	Gas Vents	3280.703.
UL 465	1987	Central Cooling Air Conditioners	3280.703.
UL 569	1990	Pigtail and Flexible Hose Connectors for LP-Gas	3280.703.
UL 737	1991	Fireplace Stoves	3280.703.
UL 1025	1991	Electric Air Heaters	3280.703.
UL 1042	1993	Electric Baseboard Heating Equipment	3280.703.
UL 1096	1988	Electric Central Air Heating Equipment	3280.703.
UL 1482	1988	Room Heaters Solid-Fuel Type	3280.703.

IV. Proposed Changes To Reference Standards (Table 2)

Table 2 is the list of updated standards being proposed. Those reference standards that would be deleted from HUD's incorporation by reference do not appear in this table;

however, they are listed, along with the reason for deletion, in Table 5. When the most recent edition of a reference standard is being proposed, it is indicated by a "U." If the current edition would be retained because it is the most current, it is indicated by a "NC." Updated reference standards that

would impose new or significantly altered requirements are on hold and are indicated by "H." New reference standards proposed to be incorporated are indicated by an "N"; the new standards are listed in Table 5. The indicator is located just above the first letter of the standards designation.

TABLE 2.—LIST OF PROPOSED STANDARDS TO BE REFERENCED IN 24 CFR PART 3280

Standards designation	Date	Title	24 CFR part 3280 reference
U AA	1997	Specification for Aluminum Structures, Construction Manual Section 1.	3280.304.
N AAMA/NWWDA 101/I.S.2-97	1997	Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.	3280.304(b)(1). 3280.405(c)(2).
U AAMA 1503	1998	Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors, and Glazed Wall Sections.	3280.508(e). * 1503 used to be 1503.1
N AAMA 1600	1990	Voluntary Specification for Skylights	3280.403(b).
U AAMA 1701.2	1995	Primary Window and Sliding Glass Door Voluntary Standard for Utilization in Manufactured-Housing.	3280.403(b). 3280.403(e). 3280.403(e)(2).
U AAMA 1702.2	1995	Swinging Exterior Passage Doors Voluntary Standard for Utilization in Manufactured Housing.	3280.405(b). 3280.405(e). 3280.405(e)(2).
H AAMA 1704	1985	Voluntary Standard Egress Window Systems for Utilization in Manufactured Housing.	3280.404(b). 3280.404(e).
U AFPA	1997	National Design Specifications for Wood Construction, 1997 Edition, With Supplement, Design Values for Wood Construction.	3280.304(b)(1)
U AFPA	1993	Design Values for Joists and Rafters, American Softwood Lumber Standard Sizes.	3280.304(b)(1).
NC AFPA	1992	Wood Structural Design Data, 1986 Edition with 1992 Revisions	3280.304(b)(1).
NC AFPA	1993	Span Tables for Joist and Rafters	3280.304(b)(1).
NC AISC	1981	Specification for Structural Steel Buildings-Allowable Stress Design and Plastic Design June 1, 1989.	3280.304(b)(1). 3280.305(i)(1).
U AISI	1996	Specification for the Design of Cold-Formed Steel Structural Members.	3280.304(b)(1). 3280.305(i)(1).
NC AISI	1974	Stainless Steel Cold-Formed Structural Design Manual	3280.304(b)(1). 3280.305(i)(1).
NC AISI	1973	Manual for Structural Applications of Steel Cables for Buildings	3280.304(b)(1).
NC ANSI A190.1 AITC	1992	For Wood Products-Structural Glue Laminated Timber	3280.304(b)(1).
U ANSI A208.1	1993	Wood Particleboard	3280.304(b)(1).
N ANSI A208.2	1994	Medium Density Fiberboard	3280.304(b)(1).
NC ANSI C72.1	1972	Electric Storage Water Heaters	3280.707(d).
NC ANSI C73.17	1972	Dimension of Caps, Plugs and Receptacles, Ground Type	3280.803(g).
U ANSI Z21.1	1996	Household Cooking Gas Appliances with supplement Z21.1a 1997.	3280.703.
U ANSI Z21.5.1	1995	Gas Clothes Dryers Volume 1, Type 1 with supplement Z21.5.1a 1996.	3280.703.

TABLE 2.—LIST OF PROPOSED STANDARDS TO BE REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
U ANSI Z21.10	1993	Gas Water Heaters—Volume 1 Storage Water Heaters with Input Ratings of 75,000 BTU per hour or Less with supplement 1a 1994, 1b 1994, & 1c 1994.	3280.707(d)(2).
U ANSI Z21.15	1997	Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves.	3280.703.
U ANSI Z21.19	1995	Refrigerators Using Gas Fuel with supplement .19a in 1992 and .19b in 1995.	3280.703.
U ANSI Z21.20	1997	Automatic Gas Ignition Systems and Components	3280.703.
U ANSI Z21.21	1995	Automatic Valves for Gas Appliances	3280.703.
NC ANSI Z21.22	1986	Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems With Addendum Z21.22a—1990.	3280.604(a). 3280.703.
U ANSI Z21.23	1993	Gas Appliance Thermostats with supplement 23a in 1994 and 23b in 1997.	3280.703.
U ANSI Z21.24	1997	Connectors for Gas Appliances	3280.703.
U ANSI Z21.40.1	1996	Gas Fired Heat Activated, Air Conditioning and Heat Pump Appliances with supplement .1a in 1997.	3280.703. 3280.714(a)(2).
U ANSI Z21.47	1993	Gas-Fired Central Furnaces with supplements .47a in 1995 .47b in 1997.	3280.703.
U ANSI Z21.64	1990	Direct Vent Central Furnaces With Addendum Z21.64a—1992	3280.703.
U ANSI Z34.1	1993	Third Party Certification	3280.403(e)(1). 3280.405(e)(1).
U ANSI Z124.1	1995	Plastic Bathtubs Units	3280.604(a).
U ANSI Z124.2	1995	Plastic Shower Receptors and Shower Stalls	3280.604(a).
U ANSI Z124.3	1995	Plastic Lavatories	3280.604(a).
U ANSI Z124.4	1996	Plastic Water Closets, Bowls, and Tanks	3280.604(a).
U ANSI/A135.4 AHA	1995	Basic Hardboard	3280.304(b)(1).
U ANSI/A135.5 AHA	1995	Prefinished Hardboard Paneling	3280.304(b)(1).
U ANSI 210/ARI 249 Air	1994	Unitary Air-Conditioning & Source Heat Pump Equipment	3280.511(b). 3280.703. 3280.714(a)(1). 3280.714(a)(1)(ii). 3280.714(a)(1)(iii).
NC ANSI A112.1 ASME .2	1991	Air Gaps in Plumbing Systems	3280.604(a).
U ANSI A112. ASME 14.1	1990	Backflow Valves	3280.604(a).
		*Reaffirmed 1990	
U ANSI A112 ASME 18.1M	1996	Plumbing Fixture Fittings	3280.604(a).
U ANSI A112 ASME 19.1M	1994	Enameled Cast Iron Plumbing Fixtures	3280.604(a).
U ANSI A112 ASME 19.2M	1995	Vitreous China Plumbing Fixtures	3280.604(a).
NC ANSI A112 ASME 19.3M	1987	Stainless Steel Plumbing Fixtures Designed for Residential Use	3280.604(a).
U ANSI/A112 ASME 19.4M	1994	Porcelain Enameled Formed Steel Plumbing Fixtures	3280.604(a).
NC ANSI/A112 ASME 19.5M	1979	Trim for Water Closet, Bowls, Tanks and Urinals	3280.604(a).
		*Reaffirmed 1990	
U ANSI/A112 ASME 19.7	1995	Whirlpool Bathtub Appliances	3280.604(a).

TABLE 2.—LIST OF PROPOSED STANDARDS TO BE REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
NC ANSI/A112. ASME 19.8	1987	Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, Hot Tubs and Whirlpool Bathtub Appliances. * Reaffirmed 1996	3280.604(a).
NC ANSI/A112 ASME 21.3M	1985	Hydrants for Utility and Maintenance Use	3280.604(a).
NC ANSI/A112 ASME 26.1	1975	Water Hammer Arresters	3280.604(a).
NC ANSI/B1.20 ASME .1	1983	Pipe Threads, General Purpose (Inch)	3280.604(a). 3280.703. 3280.705(e). 3280.706(d).
NC ANSI B16.3 ASME	1992	Malleable Iron Threaded Fittings	3280.604(a).
NC ANSI B16.4 ASME	1992	Gray Iron Threaded Fittings	3280.604(a).
NC ANSI B16.15 ASME	1985	Cast Bronze Threaded Fittings	3280.604(a).
U ANSI/B16.18 ASME	1994	Cast Copper Alloy Solder-Joint Pressure Fittings	3280.604(a).
U ANSI/B16.22 ASME	1995	Wrought Copper and Copper Alloy Solder-Joint Pressure Fitting	3280.604(a).
U ANSI/B16.29 ASME	1994	Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage fittings DWV.	3280.604(a).
U ANSI/B36.10 ASME M	1996	Welding and Seamless Wrought Steel Pipe	3280.604(a). 3280.703. 3280.705(b)(1). 3280.706(b)(1).
U ANSI/14 NSF	1996	Plastic Piping Components and Related Materials	3280.604(a).
U ANSI/24 NSF	1988	Plumbing System Components for Manufactured Homes and Recreation Vehicles. * Reaffirmed 1996	3280.604(a).
N ANSI/61 NSF	1997	Drinking Water Systems Components-Health Effects	3280.604(b)(2).
U ANSI/TPI 1	1995	National Design Standard for Metal Plate Connected Wood Truss Construction.	3280.304(b)(1).
NC APA E 30M	1993	Design/Construction Guide m Residential and Commercial	3280.394(b)(1).
NC APA S 811M	1990	Design and Fabrication of Curved Panels	3280.304(b)(1).
NC APA S 812P	1992	Design and Fabrication of Glued Plywood Lumber Beams	3280.304(b)(1).
NC APA U 813K	1990	Design and Fabrication of Plywood Stressed Skin Panels	3280.304(b)(1).
NC APA U 814G	1990	Design and Fabrication of Plywood Sandwich Panels	3280.304(b)(1).
U APA H 815E	1995	Design and Fabrication of All Plywood Beams, Supplement 5	3280.304(b)(1).
U APA 51	1997	Plywood Design Specification	3280.304(b)(1).
U APA E 30M	1996	APA Design Construction Guide, Residential and Commercial Structures.	3280.304(b)(1)(ii)(A). 3280.305(c)(2)(iii)(A). 3280.362(2)(c)(i)(E).
H ASCE 7	1988	American Society of Civil Engineers, Minimum Design Loads for Buildings.	3280.5 3280.304(b)(1) 3280.305(c)(1).
U ASHRAE	1997	ASHRAE Handbook of Fundamentals I.P. Edition	3280.508 3280.511.
NC ASME	1992	ASME Boiler and Pressure Vessel Code, VIII, Pressure Vessels Division 1.	3289.704(b)(2).

TABLE 2.—LIST OF PROPOSED STANDARDS TO BE REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
NC ASSE 1001	1990	Performance Requirements for Pipe Applied Atmospheric Type Vacuum Breakers.	3280.604(a).
NC ASSE 1002	1986	Performance Requirements for Water Closet Flush Tank Fill Valves (Ballcocks).	3280.604(a).
NC ASSE 1006	1986	Plumbing Requirements for Residential Use (Household) Dishwashers.	3280.604(a).
NC ASSE 1007	1986	Performance Requirements for Home Laundry Equipment	3280.604(a).
NC ASSE 1008	1986	Performance Requirements for Household Food Waste Disposer Units.	3280.604(a).
U ASSE 1011	1993	Performance Requirements for Hose Connection Vacuum Breakers.	3280.604(a).
NC ASSE 1014	1990	Performance Requirements for Hand Held Showers	3280.604(a).
NC ASSE 1016	1988	Performance Requirements For Individual Thermostatic Pressure Balancing and Combination Control for Bathing Facilities.	3280.604(a).
NC ASSE 1017	1986	Performance Requirements for Temperature Activated Mixing Valves for Primary Domestic Use.	3280.604(a).
U ASSE 1019	1995	Performance Requirements for Vacuum Breaker Wall Hydrants, Freeze Resistant, Automatic Draining Type.	3280.604(a).
NC ASSE 1023	1979	Performance Requirements for Hot Water Dispensers, Household Storage Type.	3280.604(a).
NC ASSE 1025	1978	Performance Requirements for Diverters for Plumbing for Faucets with Hose Spray, Anti-Siphon Type Residential Applications.	3280.604(a).
NC ASSE 1037	1990	Performance Requirements for Pressurized Flushing Devices (Flushometers) for Plumbing Fixtures.	3280.604(a).
N ASSE 1051	1996	Air Admittance Valves for Plumbing Drainage Systems-Fixture and Branch Devices.	3280.604 3280.611(d).
U ASTM A53-96	1996	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.	3280.604(a) 3280.703.
U ASTM A74-96	1996	Standard Specification for Cast Iron Soil Pipe and Fittings	3280.604(a).
U ASTM A539-96	1996	Standard Specification for Electric-Resistance-Welded Coiled Steel Tubing for Gas and Fuel Oil Lines.	3280.703 3280.705(b)(4).
U ASTM B42-96	1996	Standard Specification for Seamless Copper Pipe, Standard Sizes.	3280.604(a) 3280.703.
NC ASTM B43-	1991	Standard Specification for Seamless Red Brass Pipe Standard Sizes.	3280.604(a) 3280.705(b)(1).
U ASTM B88-96	1996	Standard Specification for Seamless Copper Water Tube	3280.604(a) 3280.703 3280.705(b)(3) 3280.706(b)(3).
U ASTM B251-97	1997	Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube.	3280.604(a) 3280.703.
U ASTM B280-95a	1995	Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service.	3280.703 3280.705(b)(3) 3280.706(b)(3).
U ASTM B306-96	1996	Standards Specification for Copper Drainage Tube (DWV)	3280.604(a).
U ASTM C36-97	1997	Standard Specification for Gypsum Wallboard	3280.304(b)(1).

TABLE 2.—LIST OF PROPOSED STANDARDS TO BE REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
U ASTM C564–95a	1995	Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings.	3280.604(a). 3280.611(d)(5).
N ASTM C920–95	1995	Standard Specification for Elastomeric Joint Sealants * Replaces Fed ZZR765B–1970	3280.611(d)(5).
H ASTM D781–73	1973	Standard Test Methods for Puncture and Stiffness of Paper Board and Solid Fiberboard.	3280.304(b)(1). 3280.305(g)(5).
U ASTM D2235–96a	1996	Standard Specification for Solvent Cement for Acrylic-Butadiene-Styrene (ABS) Plastic Pipe & Fittings.	3280.604(a).
U ASTM D2564–96a	1996	Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems.	3280.604(a).
U ASTM D2661–97	1997	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste and Vent Pipe and Fittings.	3280.604(a).
U ASTM D2665–97	1997	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe & Fittings.	3280.604(a).
U ASTM D2846/D2846M–97	1997	Standard Specification for Chlorinated Poly (Vinyl) Chloride (CPVC) Plastic Hot- and Cold-Water Distribution Systems.	3280.604(a).
U ASTM D3311–94	1994	Standard Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns.	3280.604(a).
NC ASTM D3953–91	1991	Standard Specification for Steel Strapping, Flat Steel and Seals	3280.306(g) 3280.306(b)(2)(v) .
NC ASTM D4442–92	1992	Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials. * Reapproved 1997	3280.304(b)(1).
NC ASTM D4444	1992	Standard Test Method for Use and Calibration of Hand-Held Moisture Meters.	3280.304(b)(1).
U ASTM D4635–95	1995	Standard Specification for Polyethylene Films Made From Low-Density Polyethylene for General Use & Packaging Applications. * Replaces MIL L1054E–1975	3280.611(d)(5).
U ASTM E84–97a	1997	Standard Test Method for Surface Burning Characteristics of Building Materials.	3280.203(a).
U ASTM E96–95	1995	Standard Test Methods for Water Vapor Transmission of Materials.	3280.504(a). 3280.504(c).
U ASTM E162–94	1994	Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.	3280.203(a).
U ASTM E773–97	1997	Standard Test Methods for Accelerated Weathering of Sealed Insulating Glass Units.	3280.403(d)(2).
U ASTM E774–97	1997	Standard Specification for the Classification of Durability of Sealed Insulating Glass Units.	3280.403(d)(3).
U ASTM E1333–96	1996	Standard Test Method for Determining Formaldehyde Concentrations in Air and Emission Rates from Wood Products Using a Large Chamber.	3280.406(b).
U ASTM F628–97	1997	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40, Plastic Drain Waste, and Vent Pipe with a Cellular Core.	3280.604(a).
N ASTM F876–96	1996	Standard Specification for Crosslinked Polyethylene (PEX) Tubing.	3280.604(a)
N ASTM F877–96	1996	Standard Specification for Crosslinked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems.	3280.604(a).

TABLE 2.—LIST OF PROPOSED STANDARDS TO BE REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
N ASTM F1807-97	1997	Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR-9 Crosslinked Polyethylene Tubing.	3280.604(a).
U CISPI 301-97	1997	Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications.	3280.604(a).
U CISPI 310	1997	Specification for Coupling For Use in Connection With Hubless Cast Iron Soil Pipe & Fittings for Sanitary and Storm Drain, Waste, and Vent Piping.	3280.604(a).
NC CISPI HSN	1985	Specification for Neoprene Rubber Gaskets for Hub and Spigot Cast Iron Soil Pipe & Fittings.	3280.611(d)(5).
U HPVA HP SG-96	1996	Structural Design Guide for Hardwood Plywood Wall Panels Design Guide.	3280.304(b)(1).
U HPVA HP 1	1995	For Hardwood and Decorative Plywood	3280.304(b)(1).
NC HUD-FHA UM-25d-73	1973	Application and Fastening Schedule: Power-Driven, Mechanically Driven and Manually Driven Fasteners, Use of Materials Bulletin UM-25d.	3280.304(b)(1).
NC HUD 0005 User 945	1992	Overall U-Values and Heating/Cooling Loads Manufactured Homes PNL 8006.	3280.508(b).
NC IAPMO PS 2-89	1989	Material and Property Standard for Cast Brass and Tubing P-Trap.	3280.604(a).
NC IAPMO PS 4-90	1990	Material and Property Standard for Drains for Prefabricated and Precast Showers.	3280.604(a).
U IAPMO PS 31-95	1995	Material and Property Standards for Backflow Prevention Assemblies.	3280.604(a).
U IAPMO TCS 9-97	1997	Gas Supply Connectors for Manufactured Homes	3280.703.
U IAPMO TCS 22-97	1997	Porcelain Enameled Formed Steel Plumbing Fixtures	3280.604(a).
NC IAS 3	1987	AGA Requirements for Gas Connectors for Connection of Fixed Appliances for Outdoor Installation, Park Trailers and Manufactured (Mobile) Homes to the Gas Supply.	3280.703.
NC ITT J 6461	1989	Development of Mobile Home Fire Test Methods to Judge the Fire-Safe Performance of Foam Plastic Sheathing and Cavity Insulation.	3280.207(a)(4).
U NFPA 31	1997	Installation of Oil-Burning Equipment	3280.703. 3280.707(f).
U NFPA 54	1996	Natural Fuel Gas Code	3280.703.
U NFPA 58	1995	Standard for the Storage and Handling of Liquefied Petroleum Gases.	3280.703. 3280.704(b)(5)(i).
U NFPA 70	1996	National Electrical Code	3280.801(a). 3280.801(b).
U NFPA 90B	1996	Standard for the Warm Air Heating and Air Conditioning Systems.	3280.703.
N NFRC-100	1997	Procedure for Determining Fenestration Product U Factors April 1997 Edition.	3280.508(e).
U NFPA 220	1995	Standard on Types of Building Construction	3280.202(a)(4). 3280.202(a)(5).
U PS 1-95	1995	Voluntary Product Standard, Construction and Industrial Plywood.	3280.304(b)(1).

TABLE 2.—LIST OF PROPOSED STANDARDS TO BE REFERENCED IN 24 CFR PART 3280—Continued

Standards designation	Date	Title	24 CFR part 3280 reference
N PS 2–92	1992	Voluntary Product Standard Performance Standard for Wood-Based Structural-Use Panels. *Replaces APA PRP 108–86	3380.304(b)(1).
N PS 20	1994	American Softwood Lumber Standard	3280.304(b)(1).
U SAE J533b	1992	Flares for Tubing	3280.703 3280.705(f)(1) 3280.705(f)(2).
NC SJI	1992	Standard Specification Load Tables and Weight Tables for Steel Joist and Steel Joist Girders.	3280.304(b)(1).
NC TPI	1985	Design Specification for Metal Plate Connected Wood Trusses ..	3280.304(b)(1).
U UL 94	1997	Test for Flammability of Plastic Materials for Parts in Devices and Appliances.	3280.715(e)(1).
U UL 103	1996	Factory-Built Chimneys for Residential Type and Building Heating Appliances.	3280.703.
U UL 109	1997	Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service & Marine Use.	3280.703.
U UL 127	1998	Factory-Built Fireplaces	3280.703.
U UL 174	1997	Household Electric Storage Tank Water Heaters	3280.703.
U UL 181	1996	Factory Made Air Ducts and Air Connectors	3280.703 3280.715(e).
U UL 217	1997	Single and Multiple Station Smoke Alarms	3280.208(c).
U UL 307A	1997	Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles.	3280.703 3280.707(f).
U UL 307B	1997	Gas Burning Heating Appliances for Manufactured Homes and Recreational Vehicles.	3280.703.
U UL 311	1995	Roof Jacks for Manufactured Homes and Recreational Vehicles	3280.703.
U UL 441	1997	Gas Vents	3280.703.
U UL 559	1993	Heat Pumps	3280.703.
U UL 569	1990	Pigtail and Flexible Hose Connectors for LP-Gas	3280.703 3280.705.
U UL 737	1997	Fireplace Stoves	3280.703.
U UL 1042	1997	Electric Baseboard Heating Equipment	3280.703.
N UL 1278	1994	Movable and Wall-or Ceiling-Hung Electric Room Heaters *Replaces UL 1025–1991	3280.703.
U UL 1482	1997	Solid-Fuel Type Room Heaters	3280.703.
N UL 2021	1997	Fixed and Location-Dedicated Electric Room Heaters *Replaces UL 1025–1991	3280.703.

V. Reference Standards Organizations (Table 3)

Table 3 contains the list of organizations issuing reference standards that are incorporated into the FMHCSS, and provides their acronym, address, telephone number, and

facsimile (FAX) number. Requests for copies of the currently referenced standards, or the proposed reference standards, should be addressed to the organization that issues the standards. Reference standards that are not available from their issuing organization

may be obtained from the Office of Consumer and Regulatory Affairs, Department of Housing & Urban Development, 451 Seventh Street SW, Washington, DC 20410.

TABLE 3. LIST OF ORGANIZATIONS PROVIDING STANDARDS REFERENCED IN 24 CFR PART 3280

AA	Aluminum Association, 900 19th Street NW, Washington, DC 20006	tel (202) 862-5100. fax (202) 862-5164.
AAMA	American Architectural Materials Association, 1540 East Dundee Road, Suite 310, Palatine, Illinois 60067.	tel (708) 202-1350. fax (708) 202-1480.
AFPA	American Forest and Paper Association, 1111 19th Street NW, Washington, DC 20036	tel (202) 463-2700. fax (202) 463-5180.
AHA	American Hardboard Association, 1210 West Northwest Highway, Palatine, Illinois 60067	tel (847) 934-8800. fax (847) 934-8803.
AISC	American Institute of Steel Construction, 1 East Wacker Drive, Suite 3100, Chicago, Illinois 60601 ..	tel (312) 670-2400. fax (312) 670-5403.
AISI	American Iron & Steel Institute, 1101 17th Street NW, Washington, DC 20036	tel (202) 452-7100. fax (202) 463-6573.
AITC	American Institute of Timber Construction, 7012 South Revere Parkway, Suite 140, Englewood, Colorado 80112.	tel (303) 792-9559. fax (303) 792-0669.
ANSI	American National Standards Institute, 11 West 42nd Street, New York, New York 10036	tel (212) 642-4900. fax (212) 398-0023.
APA	APA The Engineered Wood Association, 7011 South 19th Street, Tacoma, Washington 98411	tel (253) 565-6600. fax (253) 565-5403.
ASCE	American Society of Civil Engineers, 1015 15th Street NW, Washington, DC 20005	tel (202) 789-2200. fax (202) 289-6797.
ASHRAE	American Society for Heating, Refrig. & Air Conditioning Engineers, 1791 Tuillie Circle NE, Atlanta, Georgia 30329.	tel (404) 636-8400. fax (404) 321-5478.
ASME	American Society of Mechanical Engineers, 345 East 47th Street, New York, New York 10017	tel (212) 705-8570. fax (212) 705-8599.
ASSE	American Society of Sanitary Engineering, P.O. Box 40362, Bay Village, Ohio 44140	tel (216) 835-3040. fax (216) 835-3488.
ASTM	American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428.	tel (610) 832-9500. fax (610) 832-9555.
CISPI	Cast Iron Soil Pipe Institute, 5959 Shallow Ford Road, Suite 419, Chattanooga, Tennessee 37421 ..	tel (423) 892-0137. fax (423) 892-0817.
FED	General Services Administration, Specifications Building 197, Washington, DC 20407	tel (202) 963-3177. fax (202) 557-8515.
HPVA	Hardwood Plywood and Veneer Association, 1825 Michael Faraday Drive, Reston, Virginia 22090 ...	tel (703) 435-2900. fax (703) 435-2537.
HUD	Department of Housing and Urban Development, Office of Consumer & Regulatory Affairs, 451 Seventh Street SW, Washington, DC 20410.	tel (202) 708-6423. fax (202) 708-4213.
HUD USER	HUD User, P.O. Box 6091, Rockville, Maryland 20849	tel (301) 519-5154. fax (800) 245-2691.
IAS	International Approval Services, 8501 East Pleasant Valley Road, Cleveland, Ohio 44131	tel (216) 524-4990. fax (216) 642-3463.
IAPMO	International Association of Plumbing and Mechanical Officials, 20001 Walnut Drive South, Walnut, California 91789.	tel (909) 595-8449. fax (909) 594-1537.
IIT	IIT Research Institute, 10 West 35th Street, Chicago, Illinois 60616	tel (312) 567-3000. fax (312) 567-4167.
MIL	Defense Printing Service Detachment Office, 700 Robbins Avenue, Building 4D, Philadelphia, Pennsylvania 19111.	tel (215) 697-2667. fax (215) 697-1462.
NFPA	National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269	tel (617) 770-3000. fax (617) 770-0700.
NFRC	National Fenestration Rating Council, Incorporated, 1300 Spring Street, Suite 120, Silver Spring, MD 20910.	tel (301) 589-6372. fax (301) 588-0854.
NSF	NSF International, P.O. Box 130140, Ann Arbor, Michigan 48113	tel (313) 769-8010. fax (313) 769-0109.
NWWDA	National Wood Window & Door Association, 1400 East Touhy Avenue, Des Plaines, Illinois 60018 ..	tel (847) 299-5200. fax (847) 299-1286.
PS	National Institute of Standards & Technology, Voluntary Product Standards, Gaithersburg, Maryland 20810.	tel (301) 975-2000. fax (301) 926-1559.
SAE	Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, Pennsylvania 15096	tel (412) 776-4841. fax (412) 776-0243.
SJI	Steel Joist Institute, 1205 48th Avenue North, Suite A, Myrtle Beach, South Carolina 29577	tel (803) 626-1995. fax (803) 449-1343.
TPI	Truss Plate Institute, 583 D'Onofrio Drive, Suite 200, Madison, Wisconsin 53719	tel (608) 833-5900. fax (608) 833 4360.
UL	Underwriters Laboratories, 333 Pfingsten Road, Northbrook, Illinois 60062	tel (847) 272-8800. fax (847) 509-6257.

VI. New Reference Standards (Table 4)

In order to remain abreast of the industries that use those reference standards incorporated into the FMHCSS, and to be in accord with

section 11 of OMB Circular A-119, HUD is proposing to incorporate the latest edition of those reference standards and incorporate new relevant reference standards. However, this proposed rule only includes updates for those

reference standards for which HUD is ready to accept a more recent edition. In those areas for which this rule is not proposing a more recent edition, HUD considers future rulemaking to be more appropriate. Those new reference

standards not previously incorporated into the FMHCSS are listed in Table 4.

Those reference standards being deleted from the FMHCSS are listed in Table 5.

TABLE 4.—LIST OF NEW REFERENCE STANDARDS BEING PROPOSED

AAMA/NWWDA 101/I.S.2–97.	1997	Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.	3280.304(b)(1). 3280.405(c)(2).
The AAMA/NWWDA 101/I.S.2–97 standard would replace the NWWDA standards I.S.1, .2, .3, and .4.			
AAMA 1600	1990	Voluntary Specification for Skylights	3280.403(b).
ANSI/NSF 61	1997	Drinking Water Systems Components-Health Effects	3280.604(b)(2).
The requirements of the ANSI/NSF 61 standard were previously part of NSF 14, but would now be addressed separately.			
ASSE 1051	1996	Air Admittance Valves for Plumbing Drainage Systems-Fixture and Branch Devices.	3280.604. 3280.611(d).
The ASSE 1051 standard would provide an alternative to the prescriptive requirements for anti-siphon trap vent devices that are specified in § 3280.611(d).			
ANSI A208.2	1994	Medium Density Fiberboard	3280.304(b)(1).
The ANSI A208.2 standard would incorporate the MDF standard that is used by the industry and establish it as the base level for the performance of this product. It would also codify a mandatory formaldehyde emission level for MDF. However, as this standard is currently being used by the industry, its incorporation is not believed to have either an economic or environmental impact.			
ASTM C920–95	1995	Standard Specification for Elastomeric Joint Sealants	3280.611(d)(5).
ASTM F876–96	1996	Standard Specification for Crosslinked Polyethylene (PEX) Tubing.	3280.604(a).
ASTM F877–96	1996	Standard Specification for Crosslinked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems.	3280.604(a)
ASTM F1807–97	1997	Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR–9 Crosslinked Polyethylene Tubing.	3280.604(a).
ASTM F876, F877, and F1807 are being incorporated to provide an appropriate reference for the Crosslinked Polyethylene (PEX) systems currently being installed in manufactured homes. Present PEX installations require that HUD and DAPIAs verify that each system, which is the tubing and specific connectors, is listed for its intended use. With the availability of an appropriate fitting standard, this should no longer be necessary in all cases. Where fittings other than the metal insert type are desired, an appropriate listing of the system would still be required. HUD will consider incorporating other fitting standards recommended in response to this proposed rule change.			
NFRC–100	1997	Procedure for Determining Fenestration Product U Factors April 1997 Edition.	3280.508(e).
The NFRC–100 standard would provide an alternative for those window manufacturers who used this method in order to comply with the mandatory requirements of other programs.			
PS 20	1994	American Softwood Lumber Standard	3280.304(b)(1).
UL 2021	1997	Fixed and Location-Dedicated Electric Room Heaters	3280.703. *Replaces UL 1025–1991

TABLE 5.—LIST OF OBSOLETE REFERENCE STANDARDS BEING DELETED

ANSI/IS 1 NWWDA	1987	Wood Flush Doors	3280.304(b)(1). *Discontinued-replaced by AAMA/NWWDA 101/I.S.2–1997
ANSI/IS 2 NWWDA	1987	Wood Windows	3280.405(c)(2). 3280.304(b)(1).
ANSI/IS 3 NWWDA	1988	Wood Sliding Patio Doors	*Discontinued-replaced by AAMA/NWWDA 101/I.S. 2–1997
ANSI/IS 4 NWWDA	1981	Water Repellent Preservative Non-Pressure Treatment for Mill-work.	3280.202(a)(4).
APA PRP 108	1986	*Discontinued-replaced by AAMA/NWWDA 101/I.S. 2–1997	3280.304(b)(1).
ASTM D3309–92	1992	Performance Standards and Policies for Structural-Use Panels ..	*Discontinued-same as PS 2–1992
		Standard Specification for Polybutylene (PB) Plastic Hot- & Cold-Water Distribution Systems.	3280.604(a).
Polybutylene tubing is no longer being produced, and it is no longer being installed in manufactured homes. Accordingly, HUD is proposing to remove the standard ASTM D3309–92 from its standards.			
FED WWP541E	1980	Plumbing Fixtures	3280.604(a).
FED ZZR765B	1970	*Discontinued-Replaced by ANSI Z124.1 1995 Rubber Silicone	3280.611(d)(5).
IAPMO PS 5–94	1994	*Discontinued-Replaced by ASTM C920–1995 Material and Property Standard Special Cast Iron Fittings	3280.604(a).
MIL L1054E	1975	*Discontinued Liners, Case, and Sheet Overwrap Water-Vapor Proof or Water-proof Flexible.	3280.611(d)(5).
UL 1025	1991	*Discontinued replaced by ASTM D4635–1995 Electric Air Heaters	3280.703.
		*Discontinued replaced by UL 1278–1994 and UL 2021–1997	

VII. Findings and Certifications

A. Unfunded Mandates Reform Act

This rule does not impose any Federal mandates on any State, local, or tribal governments, or on the private sector, within the meaning of the Unfunded Mandates Reform Act of 1995 (Pub. L. 104-4; approved March 22, 1995).

B. Impact on the Environment

A Finding of No Significant Impact with respect to the environment was made in accordance with HUD regulations in 24 CFR part 50 that implement section 102(2)(C) of the National Environmental Policy Act of 1969 (42 U.S.C. 4223). The Finding is available for public inspection between 7:30 a.m. and 5:30 p.m. weekdays in the Office of the Rules Docket Clerk, Office of General Counsel, Room 10276, Department of Housing and Urban Development, 451 Seventh Street SW, Washington, DC 20410.

C. Impact on Small Entities

The Secretary, in accordance with the Regulatory Flexibility Act (5 U.S.C. 605(b)), has reviewed this proposed rule before publication and by approving it certifies that this rule is not anticipated to have a significant economic impact on a substantial number of small entities. HUD has evaluated the

potential effects of this proposed rule and determined that it would not place major burdens on manufactured home manufacturers or their suppliers. In its evaluation, HUD noted that new or updated references are being proposed only for the purpose of remaining abreast of the manufactured home industry. The inclusion of reference standard changes that would impose significant new requirements is not being addressed with this proposed rule. While HUD does not anticipate that this proposed rule would have a significant economic impact on a substantial number of small entities, HUD specifically requests comments regarding alternatives to compliance that may be less burdensome on such entities.

D. Federalism Impact

The General Counsel, as the Designated Official under section 6(a) of Executive Order 12612, *Federalism*, has determined that the policies contained in this proposed rule are covered by section 604(d) of the National Manufactured Housing Construction and Safety Standards Act of 1974, and therefore, would not have substantial direct effects on States or their political subdivisions, or the relationship between the Federal Government and

the States, or on the distribution of power and responsibilities among the various levels of government. As a result, the rule is not subject to review under the Order.

VIII. Incorporation by Reference

Before HUD issues a final rule, these reference standards will be approved by the Director of the Federal Register for incorporation by reference in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51. Copies of these standards may be obtained from the organizations listed in Table 3.

Catalog of Federal Domestic Assistance

The Catalog of Federal Domestic Assistance number for Manufactured Home Construction and Safety Standards is 14.171.

List of Subjects in 24 CFR Part 3280

Fire Prevention, Housing Standards, Incorporation by References, Manufactured Homes.

Authority: 42 U.S.C. 3535(d), 5403 and 5424.

Dated: September 25, 1998.

Ira Peppercorn,

General Deputy Assistant Secretary for Housing.

[FR Doc. 98-29092 Filed 10-29-98; 8:45 am]

BILLING CODE 4210-72-P