



DOCKET 2023-1

FEBRUARY 2023

A public meeting to discuss provisions of the National Motor Freight Classification® and ClassIT® will be held on **February 6, 2023** at:

Hilton La Jolla Torrey Pines
10950 North Torrey Pines Road
La Jolla, California 92037
858.558.1500
www.lajollatorreypines.hilton.com

ISSUED: January 5, 2023

On Monday, February 6, 2023, the Freight Classification Development Council (FCDC) will conduct a public meeting to discuss proposals for amending the National Motor Freight Classification® (NMFC®) and ClassIT®. **The meeting will be held at the Hilton La Jolla Torrey Pines, 10950 North Torrey Pines Road, La Jolla, California 92037**, commencing at **2:30 pm Pacific Time**.

Section I of this docket provides the FCDC analyses for proposed amendments that will be discussed at the meeting. Each analysis includes the full text of the proposal, the contact person(s) for the proposal and the identity of the proponent.

Section II of this docket provides the FCDC analysis for a proposal from Docket 2022-3 on which action was deferred pending further review. The analysis includes the full text of the proposal, the contact person for the proposal and the identity of the proponent.

Section III of this docket provides notice of classification changes made necessary by law, by order of a regulatory body, or for clarification, simplification or uniformity.

The symbol ⇨ indicates a proposed classification change. The symbol ☠ indicates that the commodities may be subject to federal regulations concerning the shipping of hazardous materials. The symbol ® indicates a registered trade name or registered trademark. The symbol ™ indicates a trademark.

Public Docket Files

Supporting data and other relevant information pertaining to each proposal in Sections I and II herein are contained in a **Public Docket File**. The public files are available online without charge at www.nmfta.org. They are organized by docket and subject numbers.

Freight Classification Development Council

fcfc@nmfta.org • 703.838.1810

Chairman

Joel L. Ringer

Vice Chairman

Lisa K. O'Donnell

Member

Allison L. Austin

Packaging Manager

Erin N. Topper

Counsel

Claire L. Shapiro

The Freight Classification Development Council invites all interested persons to participate in the classification process.

Anyone having an interest in a proposal listed in this docket may attend the meeting on February 6, 2023 and/or submit a written statement. Written statements may be submitted by mail or email, **and they must be received by the FCDC no later than 5:00 pm Eastern Time, Tuesday, January 31, 2023.**

Written submissions received by 5:00 pm Eastern Time, January 31, 2023 will be included in the respective public docket file and posted on our website. The statements will be reviewed by the FCDC, and they will be discussed by the FCDC at the public meeting on February 6, 2023.

Our mailing address is:

**Freight Classification Development Council
1001 North Fairfax Street, Suite 600
Alexandria, Virginia 22314**

Our email address is:

fcdc@nmfta.org

Written statements may also be emailed to the contact person(s) involved.

To schedule an appearance at the meeting, or if you require further information, please contact Colleen Airgood, Classification Publication Coordinator, at airgood@nmfta.org or 703.838.1837. Anyone requesting assistance in accordance with the Americans with Disabilities Act will be accommodated.

The FCDC's procedures as well as other information on the FCDC and the National Motor Freight Traffic Association are available online at www.nmfta.org.

Amendments resulting from the proposals in this docket will be published in a supplement to the National Motor Freight Classification that is scheduled to be issued on **March 9, 2023**, with an effective date of **April 8, 2023**. ClassT will be automatically updated on **April 8, 2023**.

FREIGHT CLASSIFICATION DEVELOPMENT COUNCIL DOCKET 2023-1

INDEX OF SUBJECTS (PROPOSALS)

DESCRIPTION	SUBJECT	DESCRIPTION	SUBJECT
B		H	
Bicycles, electric 13 of Docket 2022-3 (See Section II herein.)		Herbicides..... 13	
Blanks, NOI, aluminum, or brass, bronze or copper24		Holders, salt, livestock or poultry 19	
Blanks, wheel 15		Hospital Apparatus, Instruments, Machines or Supplies 3	
Bottle Filling, Labeling, Rinsing, Washing, Wiring, Capping or Corking Machines.....20		I	
Brooms or Brushes 10		Ice Cream Freezers (Ice Cream Makers) . 21	
C		Insecticides, including Insect Paper 13	
Cabinets.....4		Items (Rules) 245 and 680, Definition of and Construction Requirements for Crates..... 18	
Carts, food or beverage preparation, serving or vending 14		L	
Castings, NOI, aluminum, or brass, bronze or copper.....24		Livestock Feeders..... 19	
Ceiling Radiators 16		M	
Chemicals, NOI.....12		Machines, bottle filling, labeling, rinsing, washing, wiring, capping or corking . 20	
Covers, gutter, metal 17		Makers, ice cream 21	
Culverts, Culvert Sections or Culvert Fittings, metal23		Medical Apparatus, Instruments, Machines or Supplies 3	
D		Mirrors 11	
Defoliants 13		Mops 10	
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Dough Sheeters25		O	
E		Obsolete Items – Cancellation 2, 4, 27, 28, 29, 30	
EBikes (Electric Bicycles) 13 of Docket 2022-3 (See Section II herein.)		P	
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Flypaper 13		Packaging – Removal of ‘F’ Packages..... 1, 2, 26	
Foodstuffs, other than frozen7, 8		Padding..... 9	
Forgings, NOI, aluminum, or brass, bronze or copper.....24		Peat or Peat Moss 22	
Freezers, ice cream (Ice Cream Makers) ..21		Pesticides 13	
Fungicides 13		Pipe or Pipe Fittings, metal 5, 23	
Furniture or Furniture Parts 1		Pipe or Pipe Fittings, mineral and resin composition combined 6	
G		Plastic Articles..... 2	
Guards, gutter, metal..... 17		Poultry Feeders..... 19	

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INDEX OF SUBJECTS (PROPOSALS)

DESCRIPTION	SUBJECT	DESCRIPTION	SUBJECT
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Rubber Articles.....			2
S			
Salt Holders, livestock or poultry			19
Screens, gutter, metal.....			17
Sheeters, dough			25
Stampings, NOI, aluminum, or brass, bronze or copper.....			24
Sugar			8
Surgical Apparatus, Instruments, Machines or Supplies.....			3
T			
Trays, wheeled, food or beverage preparation, serving or vending.....			14
Tubing, mineral and resin composition combined			6
Tubing or Tubing Fittings, metal			5
U			
Unit Ventilators			16
W			
Wagons, food or beverage preparation, serving or vending			14
Wall Panel Radiators			16
Wheels or Wheel Blanks			15

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SUBJECT 1

Re: Furniture Group and Furniture Parts Group

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

See Appendix A herein.

Proposed Classification Provisions

See Appendix B herein.

Analysis and Conclusion

To improve the usability of the NMFC, this proposal would establish a new item naming "Furniture or Furniture Parts," with a "viz." format, and classes predicated on the FCDC's standard 11-subprovision density scale¹. Numerous provisions for specific furniture and furniture parts would be canceled with reference to the new item, to item 164390, naming "Racks, NOI" and/or to item 178690, naming "Stands, NOI"². Items 164390 and 178690 would be amended accordingly.

The Furniture Parts Group, item 82750, as well as subgeneric headings subordinate to the Furniture Group, item 79000, would be canceled as having no further application.

Notes, items 80442, 80443, 80444, 80445 and 82156 would be canceled and reestablished as new Notes referenced in the new item. Numerous other Notes would be canceled as having no further application.

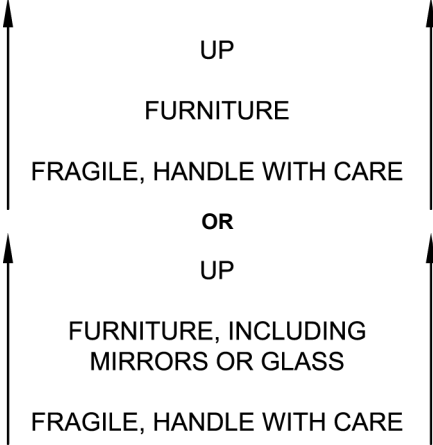
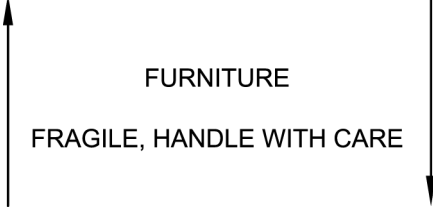
Other changes are proposed in the interest of clarification, simplification and uniformity.

¹ The FCDC's standard 11-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.

² Items 164390 and 178690 also provide classes based the FCDC's standard 11-subprovision density scale.

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ITEM	ARTICLE	CLASS
79000 79022	<p>FURNITURE GROUP: Articles consist of Furniture, see Notes, items 79022, 79023, 79024 and 79026, as described in items subject to this grouping.</p> <p>NOTE—</p> <p>(a) Furniture may be packed in wood boxes as specified in Item 221. All finished or upholstered surfaces must be protected against damage by adequate interior packaging materials. Bills of lading must describe package as 'wood box.' The class applicable will be the lowest provided in the specific item for the article of furniture in the form in which shipped.</p> <p>(b) Where bursting tests or edge crush tests are specified for containers, wrappers or interior packaging, fiberboard must comply with the requirements set forth in Item 222.</p> <p>(c) All packages constructed of corrugated fiberboard, wood or a combination thereof must be conspicuously marked on at least one panel as follows:</p> <div style="text-align: center;">  <p>UP FURNITURE FRAGILE, HANDLE WITH CARE</p> <p>OR</p> <p>UP FURNITURE, INCLUDING MIRRORS OR GLASS FRAGILE, HANDLE WITH CARE</p> </div> <p>(d) Furniture in form-fitting, L-shaped containers that may be shipped inverted upon each other without damage must be conspicuously marked to indicate loading in either vertical direction, as follows:</p> <div style="text-align: center;">  <p>FURNITURE FRAGILE, HANDLE WITH CARE</p> </div> <p>(e) All numbered packages specifying a corrugated fiberboard outer shipping container must conspicuously bear the certificate of box manufacturer as shown in Item 222-1(a)(2) and (3).</p> <p>(f) All numbered packages must also bear the package certificate, as shown in Item 299.</p> <p>(g) Bills of lading must show package number of the package in which furniture is shipped.</p> <p>(h) Articles with sliding doors in operating position must have such doors secured in place.</p>	
79023	NOTE—Articles must be secured within package by protective packing forms or other packaging materials so as to prevent shifting.	
79024	NOTE—Where packaging specifications reference this Note, articles must be adequately protected by blankets or pads so as to prevent damage and abrasion within the package.	
79026	NOTE—Detachable mirrors, tops or other furniture components must be detached and tendered in same package with the article(s) or in boxes.	
79050	Bamboo; Cane; Grass; Rattan; Reed; Willow; or Fiber , man-made or natural, including Wicker ; with or without metal or wood reinforcement, NOI, in Packages 1F, 2F, 3F, 5F, 8F, 19F, 21F, 22F or 23F	250
79070	Bassinettes, Cradles, Cribs or Beds , bamboo, cane, fiber, grass, rattan, reed or willow, with or without metal or wood reinforcement, see Note, item 81111; without legs, not nested; or with legs, legs detached or folded; in Packages 1F, 2F, 3F, 5F, 19F, 21F, 22F or 25F	250
79080	Bassinettes, Cradles, Cribs or Beds , hand portable, metal and plastic combined, collapsed, see Note, item 81111, in Package 25F	100
79150	Bookcases, Chairs or Desks , solid fiberboard other than fiberboard wallboard, combined with wood, KD flat, in Packages 1F, 2F, 5F, 21F, 22F or 25F	85
79170	Boxes, Cabinets, Chests, Closets or Wardrobes , garment or household utility storage:	
79180	Fiberboard or fiberboard and wood combined:	
Sub 1	SU, in Package 1F	200
Sub 2	KD, with doors or drawers; or tops, bottoms or doors thereof, in Package 9F	125
Sub 3	Without doors or drawers, bodies KD flat, tops SU, in boxes	125
Sub 4	Without doors or drawers, bodies and tops KD flat, in boxes	92.5
79190	Fiberboard wallboard and steel combined, plain, decorated or covered, with padded tops, in Package 25F:	
Sub 1	KD	85
Sub 2	KD flat	70

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
79200	Buffet Servers, Commodes or Desks , expandable or dual-purpose, SU, see Note, item 79202, in Packages 1F, 2F or 21F, see Note, item 79201.....	100
79201	NOTE—Table leaves may be shipped in Package 19F.	
79202	NOTE—Applies only on those articles which by means of fixtures or mechanism are convertible from conventional appearing Buffet Servers, Commodes or Desks to Dining Tables by the use of leaves.	
79255	Chairs , seats and backs molded of burlap cloth and plastic combined, upholstered, with wooden or steel legs:	
Sub 1	SU or taken apart, not nested or in nests of less than 4, in Package 7F.....	200
Sub 2	Legs detached, seats and backs in nests of 4 or more, in Package 7F.....	125
79275	Chests of Drawers, Dressers, Desks, Bookcases, Buffets, Room Dividers, Stands, Tables or Phonograph Record Cabinets , fiberboard wallboard and wood combined, with or without assembly hardware, see Notes, items 79277 and 79278:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F, 19F, 21F or 22F.....	150
Sub 2	Completely unassembled, in Packages 1F, 3F, 5F, 19F, 21F, 22F or 25F.....	70
79277	NOTE—Applies only when the fiberboard wallboard comprises other than only backs or back panels, drawer bottoms or dust stops.	
79278	NOTE—Does not apply on panels, partitions or screens which serve as portable (freestanding) structures in offices, schools or other such locations. For provisions applicable on these commodities, see item 82270.	
79380	Doors , wood particleboard, combined with wooden frames or cabinet fronts, without hinges or with hinges attached, in boxes, five or more strapped together, or in boxes on pallets.....	77.5
79400	Dressers, Wardrobes or Tables , infants' dressing, NOI, with padded tops, with or without bathing facilities, see Note, item 79402, in boxes:	
Sub 1	Other than KD flat.....	200
Sub 2	KD flat.....	100
79402	NOTE—Applies on such articles, regardless of materials of construction, with bins, drawers, shelves or other types of storage capacity.	
79460	Fume Hoods or Fume Hood Bases , laboratory, NOI, in Packages 1F, 2F, 3F or 5F, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
79463	Furniture , BambooTimbre™, see Note, item 79464, in boxes..... BambooTimbre™ is a trademark of Maria Yee, Inc.	150
79464	NOTE—Applies only on furniture specifically represented as BambooTimbre™, which is made from 100 percent Moso bamboo, flattened, layered and bonded together.	
79465	Furniture , fiberboard building board or wood particleboard with facing of other than wood veneer, with or without components of other materials, consisting of unassembled component parts, see Notes, items 79467 and 79468, in Packages 19F or 25F and having a density in pounds per cubic foot of 15 or greater, see Note, item 79466.....	70
79466	NOTE—Density must be shown by the shipper on the bill of lading and shipping order at time of shipment. If density is not shown and shipment is inadvertently accepted, these products are properly classified under the provisions of item 82270, 'Wooden Furniture, NOI.' Upon satisfactory proof of actual density, freight charges will be adjusted accordingly.	
79467	NOTE—Applies only when the wood particleboard or fiberboard building board comprises more than backs, back panels, drawer bottoms or dust stops.	
79468	NOTE—Applies only when sides, tops, ends, bottoms, legs or supporting brackets are not assembled with each other or joined together to form sub-assemblies of the finished articles. Drawers must be unassembled.	
79480	Hammocks , NOI, in Package 9F:	
Sub 1	With completely disassembled hammock stand.....	70
Sub 2	Without hammock stand.....	100
Sub 3	With hammock stand KD.....	85
79520	Hassocks , in Packages 9F or 67F:	
Sub 1	Hollow body, other than storage type.....	200
Sub 2	Storage type.....	150
Sub 3	Solid body, other than with filling of expanded plastic, see Note, item 79522.....	100
79522	NOTE—Will also apply on mixed shipments of solid and hollow or storage type bodies provided the weight of the hollow body or storage type does not exceed 10 percent of the total weight of shipment.	
79600	Metallic or Wooden , see Note, item 79602:	
79602	NOTE—Metallic or wooden furniture may have backs, panels, seats or seat backs of or with bamboo, cane, fabric, fiber, grass, leather, plastic, rattan, reed, rubber or willow, or may have backs, back panels, drawer bottoms or dust stops of fiberboard or fiberboard wallboard.	
79620	Baby Feeding or Safety Tables and Seats combined:	
Sub 1	SU, in Packages 1F, 3F or 5F.....	150
Sub 2	KD flat, in Packages 1F, 3F, 5F or 25F.....	85

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
79640	Baby Jumpers, Restrainers or Walkers , with or without wheels or casters, see Note, item 79644, in Packages 1F, 3F, 5F or 25F:	
Sub 1	SU.....	250
Sub 2	KD.....	150
79644	NOTE—Articles with wheels or casters exceeding 3 inches in diameter are subject to classes on children’s vehicles, NOI.	
79660	Bed Canopies or Bed Canopy or Mosquito Net Frames:	
Sub 1	KD flat, in Package 9F.....	85
Sub 2	SU, in Package 19F.....	200
79700	Bed Springs:	
Sub 1	Coiled or spiral wire:	
Sub 2	Not compressed or compressed to thickness exceeding 3/5 of normal thickness of each bed spring, loose or in packages.....	150
Sub 3	Compressed to not exceeding 3/5 of normal thickness of each bed spring, securely tied or wired, in packages.....	100
Sub 4	Other than coiled or spiral wire, other than adjustable hospital:	
Sub 5	Linked or woven wire within angle iron frames, thickness not exceeding 1 1/2 inches, in packages.....	70
Sub 6	NOI:	
Sub 7	Thickness each not exceeding 3 inches, loose or in packages.....	85
Sub 8	Thickness each exceeding 3 inches, loose or in packages.....	150
Sub 9	Thickness each exceeding 3 inches, two in a bundle, one inverted within the other and securely tied.....	100
79705	Bed Springs , hospital, adjustable, in packages.....	100
79800	Benches , dentists’ laboratory:	
Sub 1	SU, in Packages 1F, 3F, 5F or 19F.....	100
Sub 2	KD, in Packages 1F, 2F, 3F or 5F.....	85
79810	Benches , dressing table, steel, in Packages 1F, 3F, 5F or 26F.....	150
79840	Benches , jewelers’ work, in Packages 1F, 3F or 5F:	
Sub 1	SU.....	100
Sub 2	KD.....	85
79860	Benches , locker room, KD flat, in Package 9F.....	70
79880	Benches , manual training:	
Sub 1	SU, in Packages 1F, 3F or 5F.....	100
Sub 2	KD, in Packages 1F, 2F, 3F or 5F.....	85
79890	Benches or Gliders , iron or steel with wood slats, KD flat, in boxes, having a density in pounds per cubic foot of 15 or greater, see Note, item 79891.....	70
79891	NOTE—Density must be shown on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 79940, sub 2, for ‘Benches, NOI: KD’; item 80865, for ‘Gliders, tubular metal or with tubular metal frames’; or item 81350, sub 3, for ‘Gliders, NOI: KD flat’; as the case may be. Upon satisfactory proof of actual density, class will be adjusted accordingly.	
79900	Benches or Stools , organ or piano, in Packages 1F, 3F, 5F or 19F:	
Sub 1	SU.....	125
Sub 2	KD.....	85
79940	Benches , NOI:	
Sub 1	SU, in Packages 1F, 3F, 5F, 7F, 8F, 19F or 26F.....	150
Sub 2	KD, in Packages 1F, 3F, 5F, 19F or 26F.....	85
79960	Berths , sleeping, KD flat, in Package 9F.....	85
79970	Bins , storage, revolving, in Package 9F.....	250
79980	Bookcases , sectional, with or without desk units, steel, SU in sections, in Packages 1F, 3F, 21F, 22F or 25F, or in crates.....	85
80000	Bookcases , sectional, with or without desk units, wooden:	
Sub 1	Sections SU, in Packages 1F, 2F, 3F, 5F, 21F, 22F, 138F or 152F, also tops or bases in Package 19F.....	150
Sub 2	Sections KD flat, in Packages 1F, 2F, 3F, 5F or 19F.....	85
80020	Bookcases , other than sectional:	
Sub 1	SU:	
Sub 2	Not nested, in Packages 1F, 2F, 3F, 5F, 16F, 21F, 22F, 50F, 80F, 133F, 138F, 141F, 152F or 2326, see Note, item 80022; or when in the white without glass, in Packages 19F, 22F or 25F.....	125
Sub 3	Nested, in Packages 1F, 2F, 3F or 5F.....	85
Sub 4	Completely disassembled (unassembled component pieces), in Packages 1F, 2F, 3F, 5F, 19F or 25F.....	85
80022	NOTE—When bookcase does not exceed 12 inches in height and is constructed of lumber not less than 3/4 inch thick with solid ends, top and bottom, article may be shipped in Packages 19F or 25F.	
80040	Bookcases and Desks combined or Secretaries:	
Sub 1	SU, in Packages 2F, 3F, 5F, 21F, 22F or 152F.....	125
Sub 2	KD flat, in Package 19F.....	70
80060	Buffets, Buffet Servers or China Cabinets (Closets) , KD, in Packages 1F, 2F, 3F, 5F, 19F, 21F or 22F; also KD, in the white, in Package 25F.....	85
80070	Buffets, China Cabinets or Hutches , wooden, finished, consisting of side panels, back panels, or other component parts, not assembled to each other, without door glass, drawer pulls or assembly hardware, in boxes or Packages 19F or 151F.....	70
80080	Buffets , SU; Buffet Servers , SU; Cellearttes; China Cabinets (Closets) , SU, other than kitchen; Credenzas , cabinet- or chest-type; or Sideboards ; see Note, item 80082, in Packages 1F, 2F, 3F, 5F, 21F, 22F, 77F, 133F, 134F, 138F, 141F, 150F or 152F.....	125

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
80082	NOTE—When separately packaged, tops made of stone, cast or natural, will be subject to the applicable class for stone. Stone tops may be packed in Package 94F.	
80100	Bureaus, Chests of Drawers, Chiffoniers, Chifforobes, Dressers, Highboys, Lowboys, Washstands or Washstand Commodes, steel:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F, 21F or 22F	125
Sub 2	KD flat, in Packages 1F, 2F, 3F, 5F or 19F	85
80120	Bureaus, Armoires (Door Chests) or Armoire Tops, Chest-Desks, Chests of Drawers, Chiffoniers, Chifforobes, Dressers, Highboys, Lowboys, Night Stands, Night Tables, Night Stand Commodes, Commodes, see Note, item 80121, Washstands or Washstand Commodes, wooden, see Note, item 80082:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F, 21F, 22F, 77F, 138F, 146F or 3003S; also night stands, night tables or night stand commodes in Package 26F	125
Sub 2	KD flat, in Packages 1F, 2F, 3F, 5F or 19F; also KD flat, in the white, in Package 25F	85
80121	NOTE—Does not apply on sanitary commodes as named in item 56550.	
80200	Cabinets:	
80220	Dentists' or Opticians', in Packages 1F, 2F, 3F or 5F	125
80240	Filing, NOI, with or without components of other materials, in crates or Packages 1F, 2F, 3F, 5F, 15F, 19F, 21F, 22F, 92F, 95F, 111F, 117F, 128F, 138F, 141F, 142F or 151F, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	250
Sub 2	6 but less than 12	125
Sub 3	12 or greater	70
80320	Music or Sound Recording:	
Sub 1	SU, in Packages 1F, 2F, 3F or 5F	125
Sub 2	KD flat, in Package 19F; also KD flat, in the white, in Package 25F	85
80360	Sewing, in Packages 1F, 3F or 5F:	
Sub 1	SU	125
Sub 2	KD	100
80400	Surgeons' Instrument or Supply, in Packages 1F, 2F, 5F, 21F or 22F	100
80440	Cabinets or Lockers, with or without components of other materials, see Notes, items 80441, 80442 and 80443, viz.:	
	Base Cabinets (Work Bases);	
	Cabinets or Lockers, storage or wardrobe, NOI;	
	Kitchen or Bathroom Cabinets, see Note, item 80444;	
	Kitchens or Kitchen Islands, outdoor, see Note, item 80445;	
	Lockers, parcel or clothes checking;	
	Sink or Stove Cabinets;	
	In crates or Packages 1F, 2F, 3F, 5F, 16F, 19F, 21F, 22F, 25F, 50F, 53F, 69F, 111F, 133F or 149F, see Note, item 80446, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
80441	NOTE—Applies on free-standing cabinets or lockers or on cabinets or lockers to be attached to floors or walls.	
80442	NOTE—Also applies on cabinets equipped with lavatories, sinks, refrigerators, stoves, or water heaters with or without pumping system, whether in same or separate packages. When in separate packages, lavatories, sinks, refrigerators, stoves or water heaters may be in packages authorized in individual items.	
80443	NOTE—Cabinets may include faucets and drain fittings when shipped in same package with cabinet.	
80444	NOTE—Does not apply on bathroom medicine or toilet cabinets.	
80445	NOTE—Applies on outdoor kitchens or outdoor kitchen islands consisting of a combination of cabinets, counters, sinks, appliances or other components, whether in same or separate packages. When in separate packages, the cabinets, counters, sinks, appliances or other components may be in packages authorized in individual items.	
80446	NOTE—The following departures from packing requirements are permitted:	
	1. Sink cabinets may be shipped in Packages 72F or 98F.	
	2. Wooden cabinets or lockers may be shipped in Packages 138F, 141F or 156F.	
	3. Steel cabinets or lockers may be shipped in Package 114F.	
80480	Cabinets or Shelves, room ventilator or radiator unit, window-sill height, 18 gauge or thicker steel, without glass, in boxes or Package 97F:	
Sub 1	SU	100
Sub 2	KD flat	70
80485	Chair-beds, upholstered, see Note, item 80486, in Package 7F	110
80486	NOTE—Applies only on those articles which by means of fixtures or mechanisms are convertible from conventional appearing seating furniture to sleeping accommodations.	

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
80500	Chairs or Stools:	
80520	Chairs, adjustable, with hydraulic or power-operated bases, viz.:	
	Barber;	
	Beauty;	
	Dental;	
	Medical Examination;	
	Ophthalmic Examination, see Note, item 80522;	
	In Packages 1F, 3F or 5F, see Note, item 80521:	
Sub 1	SU	200
Sub 2	KD	100
80521	NOTE—Liquids must be removed from hydraulic bases or be in liquid-tight sealed bases.	
80522	NOTE—Ophthalmic examination chairs may be shipped with instrument stands or tables including base plate, pedestal, instrument arms, lamp or instrument console. Provisions do not apply on chairs or units equipped with instruments.	
80540	Chairs, cafeteria or school, with table arms or table arm attachments, or School Desks with Seats attached, pupils', see Note, item 80542:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F or 8F.....	300
Sub 2	KD; or with table arms or attachments removed and two chairs packed seat to seat or two or more stacked one upon another; in Packages 1F, 2F, 3F, 5F, 19F or 25F	175
80542	NOTE—Also applies when seats, or seats and backs, or table arms are made of plastic or composition.	
80564	Chairs, geriatric, nursing or convalescent, tubular metal construction, with upholstered seats and backs, with or without detachable foot rests or trays, wheeled or not wheeled, other than wheelchairs, in boxes:	
Sub 1	SU	250
Sub 2	KD	150
Sub 3	KD flat	110
80580	Chairs or Stools, NOI, including Theater Chairs or Seating, see Note, item 80581, in Packages 1F, 2F, 3F, 5F, 7F, 8F, 23F, 25F, 31F or 64F, see Notes, items 80582, 80583 and 80584, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
80581	NOTE—Also applies when chair is equipped with heating, massaging or vibratory apparatus.	
80582	NOTE—Articles tendered in Package 25F must have all finished surfaces covered to sufficiently protect from abrasion. Articles must also be secured within the package so as to prevent shifting and direct contact with the shipping container.	
80583	NOTE—The following departures from packing requirements are permitted: 1. Chairs or stools, tubular metal or with tubular metal frames, including revolving or swivel chairs or stools, may be shipped in Package 45F. 2. Wooden chairs or stools, other than folding, revolving or swivel, may be shipped in Packages 87F, 110F, 3002S, 3004S, 3005S, 3006S, 3008S or 3009S. 3. Revolving or swivel chairs or stools, other than tubular metal or with tubular metal frames, may be shipped in Packages 87F, 144F, 3002S, 3005S or 3009S. 4. Folding chairs or stools may be shipped in Packages 19F, 39F or 45F.	
80584	NOTE—When in Package 8F, folding chairs or stools must be packed in accordance with Paragraphs (2)(c)9-10 thereof.	
80635	Highchairs, children's, folding, with tubular metal frames, padded seats and backs, in Package 25F.....	125
80730	Chairs, Settees or Stools, cast aluminum, KD flat, in boxes.....	85
80830	Chairs or Stools and Stepladders combined; or Step Stools, see Note, item 80832:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F or 26F	125
Sub 2	KD, in Packages 1F, 2F, 3F, 5F, 19F or 26F; also KD, in the white, in Package 25F	85
80832	NOTE—Applies only on the named articles which have hinged or pivoted retractable steps for use as a ladder.	
80865	Chaise Lounges, Couches, Daybeds, Lounges, Loveseats, Settees, Sofa Beds, Sofas or Tete-a-tetes, see Note, item 80866, in Packages 1F, 2F, 3F, 5F, 7F, 10F, 19F, 23F, 41F, 46F or 91F, see Notes, items 80868 and 80869	250
80866	NOTE—Also applies on Gliders , tubular metal or with tubular metal frames.	
80868	NOTE—When in Packages 10F or 46F upholstered surfaces requiring protection against abrasion or rubbing must be covered with nonabrasive packaging material.	
80869	NOTE—The following departures from packing requirements are permitted: 1. Chaise lounges, settees, sofas or gliders, tubular metal or with tubular metal frames, other than upholstered, may be shipped in Packages 8F, 31F, 45F or 64F. 2. Chaise lounges, couches, daybeds, lounges, loveseats, settees, sofa beds, sofas or tete-a-tetes, upholstered, may be shipped in Packages 87F, 3000S, 3007S or 3009S. 3. Steel porch- or patio-type sofas, with upholstered loose cushions, may be shipped in Package 101F.	

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
80900	Chests , wooden, NOI, or Clothing Boxes , with or without covering of cloth, cane, fiber, grass or matting, see Note, item 80904:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F, 21F, 22F or 131F	125
Sub 2	KD, in Packages 1F, 3F or 5F; also KD, in the white, in Packages 19F or 25F	85
80904	NOTE—Miniature cedar chests may be shipped in Package 25F.	
80920	Chests , wooden, ornamental, NOI, in Packages 1F, 2F, 3F, 5F, 21F or 22F	125
80930	Chests or Boxes , toy storage, wooden, KD flat, in boxes	77.5
80950	Church Furniture , wooden, NOI, in Packages 1F, 2F, 3F, 5F, 21F or 22F:	
Sub 1	SU	125
Sub 2	KD	100
80960	Church Pews , wooden, in Packages 1F, 2F, 3F, 5F, 21F or 22F:	
Sub 1	SU	125
Sub 2	KD flat; or back and seat attached, or in one piece, nested and with ends detached; also in Package 19F	85
81100	Couches or Daybeds , without arms, wood in the white and iron or steel combined, not upholstered:	
Sub 1	With coiled wire springs, loose or in packages	150
Sub 2	With linked or woven wire springs, without legs or with legs detached, loose or in packages.....	85
81110	Cradles or Cribs , see Note, item 81111:	
Sub 1	Metal:	
Sub 2	SU, in Packages 1F, 3F or 5F	200
Sub 3	KD, in Packages 1F, 3F, 5F or 19F	85
Sub 4	Metal and fabric combined, with or without bottoms of other materials, collapsed, in Package 25F	125
Sub 5	Wooden:	
Sub 6	SU, in Packages 1F, 3F or 5F	200
Sub 7	KD or collapsed, in Packages 1F, 3F, 5F or 19F.....	85
81111	NOTE—Also applies on one pad, mattress, cushion or pillow when in same package with article.	
81150	Desk Sets (Desk and Chair in same package), wooden or steel and wood combined, other than pupils' school desks:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F, 21F, 22F or 40F	150
Sub 2	KD, in Packages 1F, 3F, 5F or 19F	100
81170	Desks , NOI, in crates or Packages 2512, 1F, 2F, 3F, 5F, 19F, 21F, 22F, 25F, 43F, 77F, 88F, 125F, 126F, 133F, 138F, 141F, 150F, 152F, 155F or 3003S, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	200
Sub 2	6 but less than 12.....	110
Sub 3	12 or greater	70
81270	Drawing Tables , see Note, item 81272:	
Sub 1	SU; or tops detached from SU trestles or stands, see Note, item 81271; in Packages 1F, 2F, 3F, 5F or 106F ...	100
Sub 2	KD flat, in Packages 1F, 2F, 3F, 5F or 19F	85
81271	NOTE—Drawing table tops may be shipped in Package 19F or Package 2175.	
81272	NOTE—Also applies when so constructed as to function also for filing purposes.	
81300	Etageres , frames constructed of 20 gauge or thicker tubular steel, with glass or wood shelves, completely disassembled, having a density of 15 pounds or greater per cubic foot, in boxes	70
81310	Footstools, Leg Rests or Ottomans , with legs or feet, see Note, item 81311; or Children's Sitting or Stepping Stools , not over 8 inches in height:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F, 8F or 3001S	150
Sub 2	KD, in Packages 1F, 3F, 5F, 26F or 67F	85
81311	NOTE—Footstools, leg rests or ottomans may be shipped in same package with furniture described in items 80580 and 80865, when securely held in place.	
81320	Frames , bed base, NOI, KD, angle iron, or channel iron 16 gauge or thicker, with or without wheels or glides, in packages.....	65
81330	Frames , bed base, KD, wood and angle iron combined, see Note, item 81332, in Package 2200	65
81332	NOTE—Applies only on frames consisting of wood or particleboard side and end pieces, wooden or angle iron cross-members and angle iron corner brackets.	
81340	Frames , futon, in crates or Packages 19F or 25F, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 4	250
Sub 2	4 but less than 8.....	125
Sub 3	8 but less than 12.....	92.5
Sub 4	12 or greater	70
81350	Gliders , NOI, other than gliding chairs:	
Sub 1	SU, in Packages 1F, 2F, 3F, 5F, 21F, 22F or 31F	150
Sub 2	KD, in Packages 1F, 3F, 5F, 23F or, if not upholstered, 31F	125
Sub 3	KD flat, in Packages 1F, 3F, 5F, 19F or 31F	100
81360	Kits , bed, unassembled, including Loft Bed Kits , consisting of unfinished pieces of wood that have been cut to size and drilled, with assembly hardware, in packages	175
81372	Modules , furniture, wooden, each consisting of four panels not assembled to each other, see Note, item 81373, in boxes	70
81373	NOTE—Applies only on multipurpose modules which can be used singly or in combination with other modules to form tables, stands or storage units. When assembled, each module consists of top, bottom and two ends with open front and back.	

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
	Organ or Piano Cases:	
81380	Finished:	
Sub 1	SU, in Package 5F.....	200
Sub 2	KD flat, in Packages 1F, 3F, 5F, 19F, 21F, 22F or 25F.....	100
Sub 3	In the white:	
Sub 4	SU, in Package 5F.....	150
Sub 5	KD flat, in Packages 1F, 3F, 5F, 19F, 21F, 22F or 25F.....	85
Sub 6		
81390	Pedestals, NOI:	
Sub 1	SU, in Packages 1F, 3F, 5F, 133F, 141F, 145F, 151F or 2514.....	100
Sub 2	KD, in Packages 1F, 3F or 5F.....	85
81394	Playpens or Play Yards, see Note, item 81111:	
Sub 1	Metal and fabric combined, with or without bottoms of other material, collapsed, in Package 25F.....	125
Sub 2	Wooden:	
Sub 3	SU, in Packages 1F, 3F or 5F.....	200
Sub 4	KD or collapsed, in Packages 1F, 3F, 5F or 19F, see Note, item 81395.....	100
81395	NOTE—Varnished playpens or play yards may be shipped in Package 25F.	
81430	Racks, book or magazine, other than display, NOI, in Packages 1F, 3F or 5F:	
Sub 1	SU.....	250
Sub 2	KD flat.....	85
81440	Racks, coat or hat, wall, in Packages 1F, 3F or 5F:	
Sub 1	Other than KD flat.....	175
Sub 2	KD flat.....	100
81460	Racks, towel, in Packages 1F, 5F, 25F or 26F.....	100
81462	Racks, Stands or Trees, clothes, floor standing (Costumers), see Note, item 81463, in Package 9F:	
Sub 1	SU.....	175
Sub 2	KD.....	85
81463	NOTE—Applies only on upright floor-standing racks, stands or trees with pegs or hooks on which to hang coats, hats or other articles of clothing.	
81465	School Desks, pupils', iron and wood, plastic or wood composition, or Pupils' Desk Sets consisting of desk and chair not attached, in same or separate package, see Note, item 81467:	
Sub 1	SU, in Packages 1F, 2F, 3F or 5F.....	150
Sub 2	KD, in Packages 1F, 2F, 3F, 5F, 19F or 25F.....	85
81467	NOTE—Chairs may be in Package 31F.	
81560	Seats, utility, hand-portable, metal or with metal frames, with or without seat swivels, back folded on seat, in boxes:	
Sub 1	Steel.....	100
Sub 2	Aluminum.....	200
81565	Seats or Chairs, infant booster, other than high chairs, in boxes.....	110
81570	Serving Wagons, Carts or Trays, wheeled, household, with or without cooling or heating devices:	
Sub 1	Steel, completely disassembled, in Packages 1F, 3F, 5F or 25F.....	85
Sub 2	NOI:	
Sub 3	SU, in Packages 1F, 3F, 5F, 21F or 22F.....	125
Sub 4	KD, in Packages 1F, 3F, 5F or 25F.....	100
81590	Settees, with one-piece seat and back of molded plastic or rubber, with metal or wooden legs, bases or pedestals, not upholstered, in Packages 1F, 3F, 5F, 25F or 31F:	
Sub 1	SU, not stacked one upon the other, or KD, one to a package.....	250
Sub 2	SU, stacked one upon another, or KD, two or more to a package.....	125
81630	Shelving, household utility, steel, shelves completely detached from uprights, in packages.....	70
81635	Shelving, wall, consisting of wooden shelving, brackets and mounting hardware, in boxes having a density in pounds per cubic foot of 15 or greater, see Note, item 81637.....	70
81637	NOTE—Density must be shown by the shipper on the shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, charges will initially be assessed under the provisions for 'Wooden Furniture, NOI,' per item 82270. Upon satisfactory proof of actual density, freight charges will be adjusted accordingly.	
81650	Stands, baggage (Luggage Racks), in Package 25F, see Note, item 81651.....	200
81651	NOTE—Finished surfaces must be wrapped with nonabrasive material.	
81660	Stands, book, chart or music holding, KD, in Packages 1F, 3F or 5F.....	85
81725	Stands, smoking, with or without ashtrays or other parts made of other materials, in Packages 1F, 3F, 5F or 25F:	
Sub 1	SU.....	110
Sub 2	KD.....	85

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
81740	Stands , NOI, in Packages 1F, 3F, 5F or 19F, see Note, item 81741, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
81741	NOTE—Unassembled stands may be shipped in Package 25F.	
81750	Stands or Tables , tubular steel, with glass, plastic or wooden shelves or tops, KD flat, completely disassembled, having a density in pounds per cubic foot of 15 or greater, see Notes, items 81751 and 81752, in Package 25F.....	70
81751	NOTE—Applies only on stands or tables constructed of 20 gauge or thicker tubular steel.	
81752	NOTE—Density must be shown by the shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, charges will initially be assessed under the provisions for 'Stands, NOI, other than wire or metal rod,' per item 81740 or 'Tables, NOI,' per item 82100, as the case may be. Upon satisfactory proof of actual density, freight charges will be adjusted accordingly.	
81755	Swings , porch, without platforms or suspending frames:	
Sub 1	SU, in Package 19F, see Note, item 81756.....	150
Sub 2	SU, in Packages 1F, 3F or 5F.....	125
Sub 3	KD flat, in Package 9F.....	85
81756	NOTE—Wooden porch swings, unfinished, or with face or seat and back finished, may be shipped in bundles of two each, arm to arm, protected with cardboard between swings at all points of contact, at the same classes as when in Package 19F.	
81760	Swings , with platforms or suspending frames:	
Sub 1	SU, in Packages 1F, 2F, 3F or 5F.....	200
Sub 2	Seats SU, suspending frames collapsed, in Packages 1F, 3F or 5F.....	100
Sub 3	KD, nested or entirely taken apart, in Package 9F, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 4	Less than 15.....	85
Sub 5	15 or greater.....	70
81780	Swings , NOI, in Packages 1F, 3F or 5F:	
Sub 1	SU.....	200
Sub 2	KD flat.....	100
81800	Swings , baby or doll, cloth or plastic film or sheeting and metal or wood combined; without stands, or with stands KD, collapsed or taken apart; in Packages 1F, 3F, 5F or 25F.....	85
81820	Table Sets , children's (child's table and one or two chairs or one or two benches in same package):	
Sub 1	SU, in Packages 1F, 3F or 5F; or with table KD flat and chairs SU, in Package 26F.....	150
Sub 2	KD, in Packages 1F, 3F or 5F; or KD flat, in Package 26F.....	85
81900	Tables:	
81920	Card , KD, see Note, item 81925, in Packages 1F, 3F, 5F, 19F or 26F.....	77.5
81925	NOTE—Will only apply on square tables with folding legs.	
81930	Chiropractic, Osteopathic or Therapeutic , see Note, item 81931:	
Sub 1	SU, in Packages 1F, 3F or 5F.....	200
Sub 2	KD, in Packages 1F, 3F, 5F or 135F.....	100
81931	NOTE—Also applies on Body Toning or Exercising Tables .	
81940	Control or Douche , hydrotherapeutic, KD, in Packages 1F, 3F or 5F.....	100
81960	Domestic Science or School Laboratory (Domestic Science or School Laboratory Desks) , with or without fume hoods, or Parts thereof , NOI:	
Sub 1	SU or in SU sections, in Packages 1F, 2F, 3F, 5F, 21F or 22F.....	100
Sub 2	KD, in Package 19F.....	100
Sub 3	KD, in Packages 1F, 3F, 5F, 21F or 22F.....	85
81970	Dressing or Toilet , steel or wooden, other than infants' dressing or toilet, in Packages 1F, 2F, 3F, 5F, 21F or 22F.....	150
81990	Embalmers' , base and top separated, liquid removed from bases, in Packages 1F, 2F, 3F or 5F.....	85
82030	Medical Autopsy, Examining or Operating , including Medical Chair Tables , NOI, see Note, item 82031:	
Sub 1	Cabinet type, in Packages 1F, 3F, 5F, 130F or 137F.....	100
Sub 2	Other than cabinet type:	
Sub 3	SU, in Packages 1F, 3F or 5F.....	150
Sub 4	KD, in Packages 1F, 3F, 5F or 19F.....	100
82031	NOTE—Liquids must be removed from hydraulic bases or be in liquid-tight sealed bases.	
82050	Veterinary Surgeons' Operating , in Packages 1F, 3F or 5F:	
Sub 1	SU.....	150
Sub 2	KD.....	100

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
82100	Tables , NOI, with or without tops of other materials, see Notes, items 82101 and 82102, in Packages 2354, 1F, 2F, 3F, 5F, 19F, 21F, 22F, 25F, 34F, 38F, 85F, 109F, 132F, 133F, 138F, 140F, 141F, 146F or 152F, see Notes, items 80582 and 82103, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
82101	NOTE—Applies on tables with tops attached, or detached in same or separate package.	
82102	NOTE—There may be included one lawn umbrella for each table.	
82103	NOTE—The following departures from packing requirements are permitted: 1. Steel tables, other than wire or rod; or unfinished wooden tables, KD; may be shipped in Package 9F. 2. Steel and wood combined tables, KD, or finished wooden tables, KD, may be shipped in Package 3010S. 3. Steel tables, SU, other than wire or rod, or wooden tables, SU, may be shipped in Package 3003S. 4. When separately packaged, tops made of cast or natural stone may be shipped in Package 94F. 5. Glass tops may be shipped in separate packages authorized for Flat Glass, not bent, per item 86700.	
82150	Tables or Benches , picnic, wood, without pads or cushions, KD flat, in Package 9F	70
82155	Tables or Stations , food preparation, see Note, item 82156, in crates or Packages 1F, 2F, 3F, 5F, 16F, 19F, 21F, 22F, 25F, 50F, 53F, 69F, 111F, 133F or 149F	175
82156	NOTE—Applies on food preparation tables or stations, for indoor use, with or without cabinets, cutting boards, sinks, refrigerators or other components, whether in same or separate packages. When in separate packages, the cabinets, cutting boards, sinks, refrigerators or other components may be in packages authorized in individual items.	
82160	Tables or Trays , serving, iron or steel, not silver plated, other than wheeled, equipped with iron or steel stands, collapsed or KD flat, with or without racks, in Package 25F	85
82163	Tables , with integral seating, folding, see Note, item 82164, in packages	200
82164	NOTE—Seating may be constructed of plastic.	
82170	Tables , without tops, SU, see Note, item 79602, in Packages 1F, 2F, 3F or 5F	200
82210	Telephone Sets (cabinet or table with bench or chair):	
Sub 1	SU, in Packages 1F, 3F or 5F	175
Sub 2	KD, in Package 19F	125
82220	Trays , desk:	
Sub 1	Sheet steel, in Package 25F	92.5
Sub 2	Wooden, in Package 25F	100
82230	Umbrella Holders, Racks or Stands , NOI, in Packages 1F, 3F or 5F:	
Sub 1	SU, not nested	100
Sub 2	SU, nested, or KD	85
82250	Workbenches , NOI, see Note, item 82251, in Packages 1F, 2F, 3F, 5F, 9F or 19F, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	200
Sub 2	6 but less than 10	125
Sub 3	10 or greater	85
82251	NOTE—Also applies on workbenches equipped with drawers, shelving, lighting fixtures or other similar articles or components.	
82270	Metallic or Wooden Furniture, viz.: Bed Ends , including Headboards or Footboards ; Beds or Cots , NOI, with or without mattresses or box springs; Bins or Shelving , NOI; Freestanding Panels, Partitions or Screens ; Metallic or Wooden Furniture , NOI; In Packages 1F, 2F, 3F, 5F, 19F, 21F, 22F, 24F, 25F, 40F, 138F, 150F or 151F, see Note, item 82271, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
82271	NOTE—Aluminum furniture will be accepted in packages authorized for shipment of same articles made of steel or wood.	
82272	Racks or Horses , clothes, NOI, metal, KD flat, in boxes	70

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
82273	Racks or Shelving , household storage, consisting of cabinets or shelves and extension pole uprights, KD, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 12	110
Sub 2	12 or greater	85
82280	Sides , bed safety, hospital or institutional, metal, in boxes	85
82300	Store or Office , steel or wood except as otherwise provided:	
82320	Back Bars or Bar or Counter Work Boards , in boxes or crates	100
82380	Bolt or Screw Cases , revolving, steel, wooden, or steel and wood combined, in boxes or crates	85
82400	Booths , bar, restaurant or store (seats and tables combined), NOI, wooden, seats upholstered or not upholstered, KD flat, in Packages 5F or 19F	85
82410	Cabinets or Drawers (Boxes) , hardware or small parts storage, compartmented, NOI, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 12	100
Sub 2	12 or greater	70
82415	Cases , display, self-service, floor-standing, with or without drawers or other enclosed storage areas, metal or wood, without glass component parts, other than glass dividers, see Notes, items 82416 and 82418:	
Sub 1	SU, in boxes, crates or in Packages 86F or 129F	150
Sub 2	KD flat, in boxes or crates	100
82416	NOTE—Display case bases, not exceeding 14 inches in height, will be considered as KD flat if shipped in same or separate packages with KD flat top sections.	
82418	NOTE—When display cases are taken apart and the parts are shipped in separate packages, some parts SU, others KD flat, each part will be classed as if it were the complete article according to its condition of shipment, except that SU parts not exceeding 12 inches in height will be considered KD flat, if all other parts are KD flat.	
82420	Counters , beverage bar or soda fountain, KD, in boxes or crates	85
82440	Counters , NOI, with or without glazed bins or drawers, with or without motor-operated checkout units, in boxes, crates or Package 2418	150
82560	Shelving , wooden or wood and fiberboard wallboard combined, with open backs and fronts, in Package 151F:	
Sub 1	Finished:	
Sub 2	SU or in SU sections, in boxes, crates or Packages 133F or 141F	100
Sub 3	KD, in packages	85
Sub 4	In the white, KD, in boxes or crates	85
82600	Show Case Frames (show cases without glass), see Note, item 82641:	
Sub 1	Wooden:	
Sub 2	Finished:	
Sub 3	SU, in boxes or crates	200
Sub 4	KD flat, in boxes or crates	100
Sub 5	In the white, KD flat, in boxes or crates	85
Sub 6	Steel, completely taken apart, in boxes or crates	70
82620	Show Case Interiors (Show Case Interior Cabinets, Drawers or Trays) , in boxes or crates	125
82630	Showcases or Display Cases , counter or floor, NOI, steel or wood, glazed, in boxes, crates or Packages 86F or 127F, see Note, item 82643, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 5	250
Sub 2	5 or greater	125
82640	Wall Cases or Cabinets or Wall Case Bases or Shelving Bases , with glass doors or glazed bins or drawers and with glass or wooden ends, or without glass, see Notes, items 82641, 82642 and 82643:	
Sub 1	Wooden, finished, or steel:	
Sub 2	SU or in SU sections, in boxes, crates or Package 136F	125
Sub 3	KD flat, in boxes or crates	85
Sub 4	Wooden, in the white, in boxes or crates:	
Sub 5	SU or in SU sections	100
Sub 6	KD flat	85
82641	NOTE—Bases not exceeding 14 inches in height will be considered as KD flat if shipped in same or separate packages with KD counters, KD showcases or KD showcase frames. Bases not exceeding 8 inches in height will be considered as KD flat if shipped in same or separate packages with KD wall cases.	
82642	NOTE—When showcases or wall cases are taken apart and the parts are shipped in separate packages, some parts SU, others KD flat, each part will be classed as if it were the complete article and according to its condition of shipment, that is whether SU or KD, except that SU parts not exceeding 12 inches in height will be considered KD flat, if all other parts are KD flat.	
82643	NOTE—Showcases, wall cases or cabinets with shelves must have shelves removed and packed separately, or secured to the case or cabinet.	
82670	Tables , infants' dressing and bathing, cross-legged frame-type, folding, in boxes	200
82750	FURNITURE PARTS GROUP: see Note, item 82751	
82751	NOTE—Articles subject to this grouping which are susceptible to damage must, in addition to being packaged as required by the individual descriptions, bear precautionary markings as required by Note, item 79022, paragraphs (c) and (d).	
82754	Adapters , bed tiering, tubular steel, see Note, item 82755, in boxes	70
82755	NOTE—Applies on devices used to facilitate the tiering of beds to form bunk bed units.	
82760	Aprons and Legs , table, wooden, with aprons disassembled from legs, see Note, item 82762, in boxes	70
82762	NOTE—Will only apply when the disassembled aprons and legs are shipped in the same shipping package.	
82770	Aprons or Rims , molded plywood, not nested, in packages	200
82775	Backs or Sides , drawer, wood particleboard, grooved and printed, in panels, in boxes or banded to skids	70

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ITEM	ARTICLE	CLASS
	FURNITURE PARTS GROUP: subject to item 82750	
82790	Bases, Columns, Pedestals or Legs, chair, stool or table, NOI, finished or unfinished, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
82820	Bases or Tops, filing cabinet, steel or wood, in Package 19F	85
82825	Bed Rails, wooden, in Package 19F	85
82830	Bed Slats, wooden, NOI, in bundles.....	50
82840	Bedstead Rails, Bedstead Rails and Holders combined, see Note, item 82842, or Bedstead Slats, steel:	
Sub 1	Formed of one piece of sheet steel, with or without wire stretcher or brace, nested, in bundles.....	55
Sub 2	NOI, loose or in packages.....	65
82842	NOTE—Also applies on wood corner posts or legs not exceeding 16 inches in length when wrapped and packed with rails in Packages 19F or 24F.	
82870	Chair or Stool Seats or Backs, NOI, see Note, item 82871, or School or Cafeteria Chair Table Arms or Tops, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 4	300
Sub 2	4 but less than 9.....	175
Sub 3	9 or greater	92.5
82871	NOTE—Also applies on one-piece molded plastic seats and backs combined for chairs or settees.	
82930	Corner Locks, Fasteners, Hooks or Pins, bed rail, or Furniture Leg Fasteners, Table Top Levelers or Table Top Fasteners; steel, in bags, boxes or drums	50
82950	Couch Frame Hinges or Legs, steel, KD flat, in packages.....	60
82970	Couch or Sofa Arms or Ends, in boxes or crates	100
82990	Doors, cabinet, wooden, in the white, without hardware, banded to pallets, platforms or skids	70
83020	Doors, Drawer Fronts or Fillers, cabinet, in sections or panels, wooden, with hardware attached, in packages.....	85
83060	Drawing Table Tops, steel or wooden, in boxes or crates, or in Packages 19F or 2175	85
83080	Fixtures, iron or steel, for raising or lowering typewriter platform in pedestals of desks, KD, in boxes	85
83090	Fixtures, revolving or tilting, chair tablet arm, zinc, in boxes, crates or drums	70
83095	Fixtures, revolving or tilting, NOI, chair or stool, other than reclining chair hinges, iron or steel, in boxes, crates or drums.....	70
83100	Frames:	
83140	Bed spring, box spring, cot, couch or lounge, in packages:	
Sub 1	Steel, KD.....	85
Sub 2	Wooden, in the white:	
Sub 3	SU.....	85
Sub 4	KD.....	70
83160	Chair, spring rocking, bases detached and placed inside seat frames, in packages	100
83170	Chair, steel, other than spring rocking type chair:	
Sub 1	SU, not interlaced, in packages	200
Sub 2	SU, interlaced, in boxes or crates or wrapped	100
Sub 3	KD flat, in boxes or crates	85
83190	Chair seat, in packages.....	85
83210	Counter, steel, in boxes or crates:	
Sub 1	SU.....	150
Sub 2	KD flat.....	85
83230	Floor screen, in boxes or crates	200
83233	Frames, chair, laminated paperboard or pulpboard, with or without wood reinforcement, not upholstered, SU, in boxes or crates	300
83240	Fronts, cabinet, wooden, SU, and Drawers, wood particleboard, KD flat, with or without wooden filler strips and hardware for installation, in boxes	77.5
83250	Furniture Frames, wooden, NOI:	
Sub 1	SU, in boxes or crates, see Note, item 83252.....	200
Sub 2	SU, without backs or with backs detached, legs detached, in boxes or crates	150
Sub 3	KD, in packages.....	85
83252	NOTE—Furniture frames, SU, may be shipped loose if carved portions or portions not to be covered by upholstery are wrapped with packaging material of sufficient strength to protect articles during transportation.	

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ITEM	ARTICLE	CLASS
	FURNITURE PARTS GROUP: subject to item 82750	
83270	Furniture Parts , NOI, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
83310	Legs or Feet , composition or wooden, in bags, boxes, crates or drums	70
83330	Ornaments , wooden, in the white, or composition or wood and composition combined, in bags, boxes or drums	85
83370	Rocker Springs , platform or spring rocking chair, steel, in boxes	70
83410	Rods , filing cabinet index guide holder, steel, with or without knobs of same or other materials, in boxes	60
83430	Roll Edge Protector Strip , other than foam rubber or cellular, expanded or foam plastic, for upholstered furniture, in packages	85
83450	School Desk or Seat Parts, or Settee or Theater Chair Parts , iron, in packages	70
83470	Shelves or Trays , kitchen cabinet, or Table Tops , enameled steel, in boxes or crates	85
83490	Sides , chair, bar steel, U-shaped, unfinished	55
83495	Slides , drawer or table, wooden, in packages	70
83510	Spring Assemblies , metallic, with fixtures, davenport or sofa bed, in packages, fixtures in boxes or drums	100
83550	Table Parts , wooden, in the white, NOI, in packages	70
83620	Tops , cabinet, chest, counter, desk, stool or table:	
Sub 1	Wood, wood composition, hardboard or steel other than stainless steel, with or without covering or trimming of other materials, in boxes, crates or Package 981, see Note, item 83622:	
Sub 2	Without splash backs, railings, curbing, galleries or cove, also in Package 130F; or with splash backs detached and in same package	70
Sub 3	With splash backs, railings, curbing, galleries or cove	85
Sub 4	Metal, NOI, with or without covering or trimming of other materials, with or without splash backs, railings, curbing, galleries or cove, in boxes or crates	85
Sub 5	Wood or wood composition, NOI, with splash backs, in straight lengths, in nests of four, nests inverted one upon the other, with fiberboard protector strips between individual tops, in boxes or crates on skids	70
83622	NOTE—Wooden table tops, finished, without coverings of other materials must be in Packages 1F, 3F, 5F, 19F, 21F, 22F or 38F.	
83630	Tops , locker room bench, wooden, without legs, pedestal supports or mounting hardware, in packages	70
83640	Tops , work bench, steel or wood, in boxes or crates, see Note, item 83642	70
83642	NOTE—Shipments of wooden tops will also be accepted when top surface and lengthwise edges are protected with fiberboard.	
	RACKS: subject to item 163900	
164390	Racks and Related Articles, viz.: Corrals , shopping cart (Cart Corrals), see Note, item 164393; Firewood Racks or Holders; Racks , NOI; Spice Racks , see Note, item 164394; Swimming Pool Cover Racks or Reels; In packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
164393	NOTE—Applies on containment systems or structures for storing or holding shopping carts in parking lots.	
164394	NOTE—Spice racks may be shipped with complement of empty bottles or jars in same package.	

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ITEM	ARTICLE	CLASS
178690	<p>STANDS: subject to item 178350 Stands, other than furniture, viz.: Christmas Tree Stands; Stanchions, pedestrian traffic or crowd control, with or without rope or retractable belt; Stands, NOI; In packages, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
	Sub 1 Less than 1	400
	Sub 2 1 but less than 2	300
	Sub 3 2 but less than 4	250
	Sub 4 4 but less than 6	175
	Sub 5 6 but less than 8	125
	Sub 6 8 but less than 10	100
	Sub 7 10 but less than 12	92.5
	Sub 8 12 but less than 15	85
	Sub 9 15 but less than 22.5	70
	Sub 10 22.5 but less than 30	65
	Sub 11 30 or greater	60

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ITEM	ARTICLE	CLASS
<p>★A-NEW</p> <p>Sub 1</p> <p>Sub 2</p> <p>Sub 3</p> <p>Sub 4</p> <p>Sub 5</p> <p>Sub 6</p> <p>Sub 7</p> <p>Sub 8</p> <p>Sub 9</p> <p>Sub 10</p> <p>Sub 11</p>	<p>Fume Hoods or Fume Hood Bases, laboratory, NOI, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:</p> <p>Less than 1</p> <p>1 but less than 2</p> <p>2 but less than 4</p> <p>4 but less than 6</p> <p>6 but less than 8</p> <p>8 but less than 10</p> <p>10 but less than 12</p> <p>12 but less than 15</p> <p>15 but less than 22.5</p> <p>22.5 but less than 30</p> <p>30 or greater</p>	<p>400</p> <p>300</p> <p>250</p> <p>175</p> <p>125</p> <p>100</p> <p>92.5</p> <p>85</p> <p>70</p> <p>65</p> <p>60</p>
<p>79000</p>	<p>FURNITURE GROUP: Articles consist of Furniture ►or Furniture Parts, see Notes, items 79022, 79023, 79024 and 79026, as described in items subject to this grouping.</p>	
<p>79022</p>	<p>NOTE—</p> <p>►(a) Furniture may be packed in wood boxes as specified in Item 221. All finished or upholstered surfaces must be protected against damage by adequate interior packaging materials. Bills of lading must describe package as 'wood box.'</p> <p>(b) Where bursting tests or edge crush tests are specified for containers, wrappers or interior packaging, fiberboard must comply with the requirements set forth in Item 222.</p> <p>(c) All packages constructed of corrugated fiberboard, wood or a combination thereof must be conspicuously marked on at least one panel as follows:</p>	
	<div style="text-align: center;"> </div> <p>(d) Furniture in form-fitting, L-shaped containers that may be shipped inverted upon each other without damage must be conspicuously marked to indicate loading in either vertical direction, as follows:</p>	
<p>△79023</p>	<p>NOTE—Articles must be secured within package by protective packing forms or other packaging materials so as to prevent shifting.</p>	
<p>△79024</p>	<p>NOTE—Where packaging specifications reference this Note, articles must be adequately protected by blankets or pads so as to prevent damage and abrasion within the package.</p>	
<p>△79026</p>	<p>NOTE—Detachable mirrors, tops or other furniture components must be detached and tendered in same package with the article(s) or in boxes.</p>	
<p>79050</p>	<p>Bamboo; Cane; Grass; Rattan; Reed; Willow; or Fiber, man-made or natural, including Wicker; with or without metal or wood reinforcement, NOI, etc...☒Cancel; see item B-NEW.</p>	
<p>79070</p>	<p>Bassinettes, Cradles, Cribs or Beds, bamboo, cane, fiber, grass, rattan, reed or willow, with or without metal or wood reinforcement, see Note, item 81111; without legs, not nested; or with legs, legs detached or folded, etc...☒Cancel; see item B-NEW.</p>	

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
79080	Bassinets, Cradles, Cribs or Beds , hand portable, metal and plastic combined, collapsed, see Note, item 81111, etc... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79150	Bookcases, Chairs or Desks , solid fiberboard other than fiberboard wallboard, combined with wood, KD flat, etc... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79170	Boxes, Cabinets, Chests, Closets or Wardrobes , garment or household utility storage... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79180	Fiberboard or fiberboard and wood combined, etc... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79190	Fiberboard wallboard and steel combined, plain, decorated or covered, with padded tops, etc... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79200	Buffet Servers, Commodes or Desks , expandable or dual-purpose, SU, see Note, item 79202, in Packages 1F, 2F or 21F, see Note, item 79201... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79201	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79202	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79255	Chairs , seats and backs molded of burlap cloth and plastic combined, upholstered, with wooden or steel legs, etc... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79275	Chests of Drawers, Dressers, Desks, Bookcases, Buffets, Room Dividers, Stands, Tables or Phonograph Record Cabinets , fiberboard wallboard and wood combined, with or without assembly hardware, see Notes, items 79277 and 79278, etc... <input checked="" type="checkbox"/> Cancel; see items B-NEW and 178690.	
79277	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79278	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79380	Doors , wood particleboard, combined with wooden frames or cabinet fronts, without hinges or with hinges attached, etc... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79400	Dressers, Wardrobes or Tables , infants' dressing, NOI, with padded tops, with or without bathing facilities, see Note, item 79402, etc... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79402	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79460	Fume Hoods or Fume Hood Bases , laboratory, NOI, etc... <input checked="" type="checkbox"/> Cancel; see item A-NEW.	
79463	Furniture , BambooTimbre™, see Note, item 79464, etc... <input checked="" type="checkbox"/> Cancel; see item B-NEW. BambooTimbre™ is a trademark of Maria Yee, Inc.	
79464	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79465	Furniture , fiberboard building board or wood particleboard with facing of other than wood veneer, with or without components of other materials, consisting of unassembled component parts, see Notes, items 79467 and 79468, in Packages 19F or 25F and having a density in pounds per cubic foot of 15 or greater, see Note, item 79466... <input checked="" type="checkbox"/> Cancel; see item B-NEW.	
79466	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79467	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79468	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
★B-NEW	Furniture or Furniture Parts, viz.: Bed Ends , including Headboards or Footboards; Bed Springs; Beds, Cots, Cradles, Cribs, Daybeds or Sofa Beds , NOI, with or without mattresses or box springs; Benches or Workbenches , NOI; Bookcases, Shelving or Bins , NOI; Cabinets or Lockers , NOI, see Notes, items C-NEW, D-NEW, E-NEW and F-NEW; Chairs, Stools, Gliders or Ottomans , NOI, including Theater Chairs or Seating; Couches, Sofas, Chaise Lounges, Loveseats or Settees , NOI; Desks , NOI; Dressers, Nightstands, Armoires or Chests , NOI; Freestanding Panels, Partitions or Screens; Furniture or Furniture Parts , NOI; Futon Frames , with or without futons; Tables , NOI; Tables or Stations , food preparation, see Note, item G-NEW; In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
★C-NEW	NOTE—Does not apply on bathroom medicine or toilet cabinets.	
★D-NEW	NOTE—Also applies on cabinets equipped with lavatories, sinks, refrigerators, stoves, or water heaters with or without pumping system, whether in same or separate packages. When in separate packages, lavatories, sinks, refrigerators, stoves or water heaters may be in packages authorized in individual items.	
★E-NEW	NOTE—Cabinets may include faucets and drain fittings when shipped in same package with cabinet.	
★F-NEW	NOTE—Also applies on outdoor kitchens or outdoor kitchen islands consisting of a combination of cabinets, counters, sinks, appliances or other components, whether in same or separate packages. When in separate packages, the cabinets, counters, sinks, appliances or other components may be in packages authorized in individual items.	

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ITEM	ARTICLE	CLASS
<p>★G-NEW</p> <p>79480</p> <p>79520</p> <p>79522</p> <p>79600</p> <p>79602</p> <p>79620</p> <p>▶79640</p> <p>Sub 1</p> <p>Sub 2</p> <p>△79644</p> <p>79660</p> <p>79700</p> <p>79705</p> <p>79800</p> <p>79810</p> <p>79840</p> <p>79860</p> <p>79880</p> <p>79890</p> <p>79891</p> <p>79900</p> <p>79940</p> <p>79960</p> <p>79970</p> <p>79980</p> <p>80000</p> <p>80020</p> <p>80022</p> <p>80040</p> <p>80060</p> <p>80070</p> <p>80080</p> <p>80082</p> <p>80100</p> <p>80120</p> <p>80121</p> <p>80200</p> <p>80220</p> <p>80240</p> <p>80320</p> <p>80360</p> <p>80400</p> <p>80440</p> <p>80441</p> <p>80442</p> <p>80443</p> <p>80444</p> <p>80445</p> <p>80446</p> <p>80480</p> <p>80485</p> <p>80486</p> <p>80500</p>	<p>FURNITURE GROUP: subject to item 79000</p> <p>NOTE—Applies on food preparation tables or stations, for indoor use, with or without cabinets, cutting boards, sinks, refrigerators or other components, whether in same or separate packages. When in separate packages, the cabinets, cutting boards, sinks, refrigerators or other components may be in packages authorized in individual items.</p> <p>Hammocks, NOI, etc...☒Cancel; see item B-NEW.</p> <p>Hassocks, etc...☒Cancel; see item B-NEW.</p> <p>NOTE—☒Cancel; no further application.</p> <p>Metallic or Wooden, see Note, item 79602...☒Cancel; no further application.</p> <p>NOTE—☒Cancel; no further application.</p> <p>Baby Feeding or Safety Tables and Seats combined, etc...☒Cancel; see item B-NEW.</p> <p>Baby Jumpers, Restrainers or Walkers, with or without wheels or casters, see Note, item 79644, in Packages 1F, 3F, 5F or 25F:</p> <p>SU</p> <p>KD</p> <p>NOTE—Articles with wheels or casters exceeding 3 inches in diameter are subject to classes on children’s vehicles, NOI.</p> <p>Bed Canopies or Bed Canopy or Mosquito Net Frames etc...☒Cancel; see item B-NEW.</p> <p>Bed Springs, etc...☒Cancel; see item B-NEW.</p> <p>Bed Springs, hospital, adjustable, etc...☒Cancel; see item B-NEW.</p> <p>Benches, dentists’ laboratory, etc...☒Cancel; see item B-NEW.</p> <p>Benches, dressing table, steel, etc...☒Cancel; see item B-NEW.</p> <p>Benches, jewelers’ work, etc...☒Cancel; see item B-NEW.</p> <p>Benches, locker room, KD flat, etc...☒Cancel; see item B-NEW.</p> <p>Benches, manual training, etc...☒Cancel; see item B-NEW.</p> <p>Benches or Gliders, iron or steel with wood slats, KD flat, etc...☒Cancel; see item B-NEW.</p> <p>NOTE—☒Cancel; no further application.</p> <p>Benches or Stools, organ or piano, etc...☒Cancel; see item B-NEW.</p> <p>Benches, NOI, etc...☒Cancel; see item B-NEW.</p> <p>Berths, sleeping, KD flat, etc...☒Cancel; see item B-NEW.</p> <p>Bins, storage, revolving, etc...☒Cancel; see item B-NEW.</p> <p>Bookcases, sectional, with or without desk units, steel, SU in sections, etc...☒Cancel; see item B-NEW.</p> <p>Bookcases, sectional, with or without desk units, wooden, etc...☒Cancel; see item B-NEW.</p> <p>Bookcases, other than sectional, etc...☒Cancel; see item B-NEW.</p> <p>NOTE—☒Cancel; no further application.</p> <p>Bookcases and Desks combined or Secretaries, etc...☒Cancel; see item B-NEW.</p> <p>Buffets, Buffet Servers or China Cabinets (Closets), KD, etc...☒Cancel; see item B-NEW.</p> <p>Buffets, China Cabinets or Hutches, wooden, finished, etc...☒Cancel; see item B-NEW.</p> <p>Buffets, SU; Buffet Servers, SU; Cellarettes; China Cabinets (Closets), SU, other than kitchen; Credenzas, cabinet- or chest-type; or Sideboards; see Note, item 80082, etc...☒Cancel; see item B-NEW.</p> <p>NOTE—☒Cancel; no further application.</p> <p>Bureaus, Chests of Drawers, Chiffoniers, Chifforobes, Dressers, Highboys, Lowboys, Washstands or Washstand Commodes, steel, etc...☒Cancel; see item B-NEW.</p> <p>Bureaus, Armoires (Door Chests) or Armoire Tops, Chest-Desks, Chests of Drawers, Chiffoniers, Chifforobes, Dressers, Highboys, Lowboys, Night Stands, Night Tables, Night Stand Commodes, Commodes, see Note, item 80121, Washstands or Washstand Commodes, wooden, see Note, item 80082, etc...☒Cancel; see item B-NEW.</p> <p>NOTE—☒Cancel; no further application.</p> <p>Cabinets...☒Cancel; no further application.</p> <p>Dentists’ or Opticians’, etc...☒Cancel; see item B-NEW.</p> <p>Filing, NOI, with or without components of other materials, etc...☒Cancel; see item B-NEW.</p> <p>Music or Sound Recording, etc...☒Cancel; see item B-NEW.</p> <p>Sewing, etc...☒Cancel; see item B-NEW.</p> <p>Surgeons’ Instrument or Supply, etc...☒Cancel; see item B-NEW.</p> <p>Cabinets or Lockers, with or without components of other materials, see Notes, items 80441, 80442 and 80443, viz.:</p> <p>Base Cabinets (Work Bases);</p> <p>Cabinets or Lockers, storage or wardrobe, NOI;</p> <p>Kitchen or Bathroom Cabinets, see Note, item 80444;</p> <p>Kitchens or Kitchen Islands, outdoor, see Note, item 80445;</p> <p>Lockers, parcel or clothes checking;</p> <p>Sink or Stove Cabinets; etc...☒Cancel; see item B-NEW.</p> <p>NOTE—☒Cancel; no further application.</p> <p>NOTE—☒Cancel; see item D-NEW.</p> <p>NOTE—☒Cancel; see item E-NEW.</p> <p>NOTE—☒Cancel; see item C-NEW.</p> <p>NOTE—☒Cancel; see item F-NEW.</p> <p>NOTE—☒Cancel; no further application.</p> <p>Cabinets or Shelves, room ventilator or radiator unit, window-sill height, 18 gauge or thicker steel, without glass, etc...☒Cancel; see item B-NEW.</p> <p>Chair-beds, upholstered, see Note, item 80486, etc...☒Cancel; see item B-NEW.</p> <p>NOTE—☒Cancel; no further application.</p> <p>Chairs or Stools...☒Cancel; no further application.</p>	<p>250</p> <p>150</p>

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ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000 Metallic or Wooden: subject to item 79600 Chairs or Stools: subject to item 80500	
▶80520	Chairs, adjustable, with hydraulic or power-operated bases, viz.: Barber; Beauty; Dental; Medical Examination; Ophthalmic Examination, see Note, item 80522; In Packages 1F, 3F or 5F, see Note, item 80521: SU..... KD.....	200 100
Sub 1		
Sub 2		
△80521	NOTE—Liquids must be removed from hydraulic bases or be in liquid-tight sealed bases.	
△80522	NOTE—Ophthalmic examination chairs may be shipped with instrument stands or tables including base plate, pedestal, instrument arms, lamp or instrument console. Provisions do not apply on chairs or units equipped with instruments.	
80540	Chairs, cafeteria or school, with table arms or table arm attachments, or School Desks with Seats attached, pupils', see Note, item 80542, etc...☒Cancel; see item B-NEW.	
80542	NOTE—☒Cancel; no further application.	
80564	Chairs, geriatric, nursing or convalescent, tubular metal construction, with upholstered seats and backs, with or without detachable foot rests or trays, wheeled or not wheeled, other than wheelchairs, etc... ☒Cancel; see item B-NEW.	
80580	Chairs or Stools, NOI, including Theater Chairs or Seating, see Note, item 80581, in Packages 1F, 2F, 3F, 5F, 7F, 8F, 23F, 25F, 31F or 64F, see Notes, items 80582, 80583 and 80584, etc...☒Cancel; see item B-NEW.	
80581	NOTE—☒Cancel; no further application.	
80582	NOTE—☒Cancel; no further application.	
80583	NOTE—☒Cancel; no further application.	
80584	NOTE—☒Cancel; no further application.	
80635	Highchairs, children's, folding, with tubular metal frames, padded seats and backs, etc... ☒Cancel; see item B-NEW.	
80730	Chairs, Settees or Stools, cast aluminum, KD flat, etc... ☒Cancel; see item B-NEW.	
▶80830	Chairs or Stools and Stepladders combined; or Step Stools, see Note, item 80832: SU, in Packages 1F, 2F, 3F, 5F or 26F..... KD, in Packages 1F, 2F, 3F, 5F, 19F or 26F; also KD, in the white, in Package 25F.....	125 85
Sub 1		
Sub 2		
△80832	NOTE—Applies only on the named articles which have hinged or pivoted retractable steps for use as a ladder.	
80865	Chaise Lounges, Couches, Daybeds, Lounges, Loveseats, Settees, Sofa Beds, Sofas or Tete-a-tetes, see Note, item 80866, etc...☒Cancel; see item B-NEW.	
80866	NOTE—☒Cancel; no further application.	
80868	NOTE—☒Cancel; no further application.	
80869	NOTE—☒Cancel; no further application.	
80900	Chests, wooden, NOI, or Clothing Boxes, with or without covering of cloth, cane, fiber, grass or matting, see Note, item 80904, etc...☒Cancel; see item B-NEW.	
80904	NOTE—☒Cancel; no further application.	
80920	Chests, wooden, ornamental, NOI, etc... ☒Cancel; see item B-NEW.	
80930	Chests or Boxes, toy storage, wooden, KD flat, etc... ☒Cancel; see item B-NEW.	
80950	Church Furniture, wooden, NOI, etc... ☒Cancel; see item B-NEW.	
80960	Church Pews, wooden, etc... ☒Cancel; see item B-NEW.	
81100	Couches or Daybeds, without arms, wood in the white and iron or steel combined, not upholstered, etc... ☒Cancel; see item B-NEW.	
81110	Cradles or Cribs, see Note, item 81111, etc...☒Cancel; see item B-NEW.	
81111	NOTE—☒Cancel; no further application.	
81150	Desk Sets (Desk and Chair in same package), wooden or steel and wood combined, other than pupils' school desks, etc... ☒Cancel; see item B-NEW.	
81170	Desks, NOI, etc... ☒Cancel; see item B-NEW.	
81270	Drawing Tables, see Note, item 81272, etc...☒Cancel; see item B-NEW.	
81271	NOTE—☒Cancel; no further application.	
81272	NOTE—☒Cancel; no further application.	
81300	Etageres, frames constructed of 20 gauge or thicker tubular steel, with glass or wood shelves, completely disassembled, having a density of 15 pounds or greater per cubic foot, etc... ☒Cancel; see item B-NEW.	
81310	Footstools, Leg Rests or Ottomans, with legs or feet, see Note, item 81311; or Children's Sitting or Stepping Stools, not over 8 inches in height, etc... ☒Cancel; see item B-NEW.	
81311	NOTE—☒Cancel; no further application.	
81320	Frames, bed base, NOI, KD, angle iron, or channel iron 16 gauge or thicker, with or without wheels or glides, etc... ☒Cancel; see item B-NEW.	
81330	Frames, bed base, KD, wood and angle iron combined, see Note, item 81332, etc... ☒Cancel; see item B-NEW.	
81332	NOTE—☒Cancel; no further application.	
81340	Frames, futon, etc... ☒Cancel; see item B-NEW.	
81350	Gliders, NOI, other than gliding chairs, etc... ☒Cancel; see item B-NEW.	
81360	Kits, bed, unassembled, including Loft Bed Kits, consisting of unfinished pieces of wood that have been cut to size and drilled, with assembly hardware, etc... ☒Cancel; see item B-NEW.	
81372	Modules, furniture, wooden, each consisting of four panels not assembled to each other, see Note, item 81373, etc... ☒Cancel; see item B-NEW.	
81373	NOTE—☒Cancel; no further application.	

FREIGHT CLASSIFICATION DOCKET 2023-1

ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
81380	Organ or Piano Cases, etc...☒Cancel; see item B-NEW.	
81390	Pedestals, NOI, etc...☒Cancel; see item B-NEW.	
▶81394	Playpens or Play Yards, see Note, item H-NEW:	
Sub 1	Metal and fabric combined, with or without bottoms of other material, collapsed, in Package 25F.....	125
Sub 2	Wooden:	
Sub 3	SU, in Packages 1F, 3F or 5F.....	200
Sub 4	KD or collapsed, in Packages 1F, 3F, 5F or 19F, see Note, item 81395.....	100
△81395	NOTE—Varnished playpens or play yards may be shipped in Package 25F.	
★H-NEW	NOTE—Also applies on one pad, mattress, cushion or pillow when in same package with article.	
81430	Racks, book or magazine, other than display, NOI, etc...☒Cancel; see item 164390.	
81440	Racks, coat or hat, wall, etc...☒Cancel; see item 164390.	
81460	Racks, towel, etc...☒Cancel; see item 164390.	
81462	Racks, Stands or Trees, clothes, floor standing (Costumers), see Note, item 81463, etc...☒Cancel; see items 164390 and 178690.	
81463	NOTE—☒Cancel; no further application.	
81465	School Desks, pupils', iron and wood, plastic or wood composition, or Pupils' Desk Sets consisting of desk and chair not attached, in same or separate package, see Note, item 81467, etc...☒Cancel; see item B-NEW.	
81467	NOTE—☒Cancel; no further application.	
81560	Seats, utility, hand-portable, metal or with metal frames, with or without seat swivels, back folded on seat, etc...☒Cancel; see item B-NEW.	
▶81565	Seats or Chairs, infant booster, other than high chairs, in boxes.....	110
▶81570	Serving Wagons, Carts or Trays, wheeled, household, with or without cooling or heating devices:	
Sub 1	Steel, completely disassembled, in Packages 1F, 3F, 5F or 25F.....	85
Sub 2	NOI:	
Sub 3	SU, in Packages 1F, 3F, 5F, 21F or 22F.....	125
Sub 4	KD, in Packages 1F, 3F, 5F or 25F.....	100
81590	Settees, with one-piece seat and back of molded plastic or rubber, with metal or wooden legs, bases or pedestals, not upholstered, etc...☒Cancel; see item B-NEW.	
81630	Shelving, household utility, steel, shelves completely detached from uprights, etc...☒Cancel; see item B-NEW.	
81635	Shelving, wall, consisting of wooden shelving, brackets and mounting hardware, in boxes having a density in pounds per cubic foot of 15 or greater, see Note, item 81637...☒Cancel; see item B-NEW.	
81637	NOTE—☒Cancel; no further application.	
81650	Stands, baggage (Luggage Racks), in Package 25F, see Note, item 81651...☒Cancel; see items 164390 and 178690.	
81651	NOTE—☒Cancel; no further application.	
81660	Stands, book, chart or music holding, KD, etc...☒Cancel; see item 178690.	
81725	Stands, smoking, with or without ashtrays or other parts made of other materials, etc...☒Cancel; see item 178690.	
81740	Stands, NOI, in Packages 1F, 3F, 5F or 19F, see Note, item 81741, etc...☒Cancel; see item 178690.	
81741	NOTE—☒Cancel; no further application.	
81750	Stands or Tables, tubular steel, with glass, plastic or wooden shelves or tops, KD flat, completely disassembled, having a density in pounds per cubic foot of 15 or greater, see Notes, items 81751 and 81752, etc...☒Cancel; see items B-NEW and 178690.	
81751	NOTE—☒Cancel; no further application.	
81752	NOTE—☒Cancel; no further application.	
81755	Swings, porch, without platforms or suspending frames, etc...☒Cancel; see item B-NEW.	
81756	NOTE—☒Cancel; no further application.	
81760	Swings, with platforms or suspending frames, etc...☒Cancel; see item B-NEW.	
81780	Swings, NOI, etc...☒Cancel; see item B-NEW.	
▶81800	Swings, baby or doll, cloth or plastic film or sheeting and metal or wood combined; without stands, or with stands KD, collapsed or taken apart; in Packages 1F, 3F, 5F or 25F.....	85
81820	Table Sets, children's (child's table and one or two chairs or one or two benches in same package), etc...☒Cancel; see item B-NEW.	
81900	Tables... ☒Cancel; no further application.	
81920	Card, KD, see Note, item 81925, etc...☒Cancel; see item B-NEW.	
81925	NOTE—☒Cancel; no further application.	
81930	Chiropractic, Osteopathic or Therapeutic, see Note, item 81931, etc...☒Cancel; see item B-NEW.	
81931	NOTE—☒Cancel; no further application.	
81940	Control or Douche, hydrotherapeutic, KD, etc...☒Cancel; see item B-NEW.	
81960	Domestic Science or School Laboratory (Domestic Science or School Laboratory Desks), with or without fume hoods, or Parts thereof, NOI, etc...☒Cancel; see item B-NEW.	
81970	Dressing or Toilet, steel or wooden, other than infants' dressing or toilet, etc...☒Cancel; see item B-NEW.	
▶81990	Embalmers' Tables, base and top separated, liquid removed from bases, in Packages 1F, 2F, 3F or 5F.....	85
▶82030	Medical Autopsy, Examining or Operating Tables, including Medical Chair Tables, NOI, see Note, item 82031:	
Sub 1	Cabinet type, in Packages 1F, 3F, 5F, 130F or 137F.....	100
Sub 2	Other than cabinet type:	
Sub 3	SU, in Packages 1F, 3F or 5F.....	150
Sub 4	KD, in Packages 1F, 3F, 5F or 19F.....	100
△82031	NOTE—Liquids must be removed from hydraulic bases or be in liquid-tight sealed bases.	
▶82050	Veterinary Surgeons' Operating Tables, in Packages 1F, 3F or 5F:	
Sub 1	SU.....	150
Sub 2	KD.....	100

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ITEM	ARTICLE	CLASS
	<p>FURNITURE GROUP: subject to item 79000 Metallic or Wooden: subject to item 79600</p>	
82100	<p>Tables, NOI, with or without tops of other materials, see Notes, items 82101 and 82102, in Packages 2354, 1F, 2F, 3F, 5F, 19F, 21F, 22F, 25F, 34F, 38F, 85F, 109F, 132F, 133F, 138F, 140F, 141F, 146F or 152F, see Notes, items 80582 and 82103, etc...☒Cancel; see item B-NEW.</p>	
82101	NOTE—☒Cancel; no further application.	
82102	NOTE—☒Cancel; no further application.	
82103	NOTE—☒Cancel; no further application.	
82150	Tables or Benches , picnic, wood, without pads or cushions, KD flat, etc...☒Cancel; see item B-NEW.	
82155	Tables or Stations , food preparation, see Note, item 82156, etc...☒Cancel; see item B-NEW.	
82156	NOTE—☒Cancel; see item G-NEW.	
82160	Tables or Trays , serving, iron or steel, not silver plated, other than wheeled, equipped with iron or steel stands, collapsed or KD flat, with or without racks. etc...☒Cancel; see item B-NEW.	
82163	Tables , with integral seating, folding, see Note, item 82164, etc...☒Cancel; see item B-NEW.	
82164	NOTE—☒Cancel; no further application.	
82170	Tables , without tops, SU, see Note, item 79602, etc...☒Cancel; see item B-NEW.	
82210	Telephone Sets (cabinet or table with bench or chair), etc...☒Cancel; see item B-NEW.	
82220	Trays , desk, etc...☒Cancel; see item B-NEW.	
82230	Umbrella Holders, Racks or Stands , NOI, etc...☒Cancel; see items 164390 and 178690.	
82250	Workbenches , NOI, see Note, item 82251, etc...☒Cancel; see item B-NEW.	
82251	NOTE—☒Cancel; no further application.	
82270	<p>Metallic or Wooden Furniture, viz.: Bed Ends, including Headboards or Footboards; Beds or Cots, NOI, with or without mattresses or box springs; Bins or Shelving, NOI; Freestanding Panels, Partitions or Screens; Metallic or Wooden Furniture, NOI; etc...☒Cancel; see item B-NEW.</p>	
82271	NOTE—☒Cancel; no further application.	
82272	Racks or Horses , clothes, NOI, metal, KD flat, etc...☒Cancel; see item 164390.	
82273	Racks or Shelving , household storage, consisting of cabinets or shelves and extension pole uprights, KD, etc...☒Cancel; see items B-NEW and 164390.	
82280	Sides , bed safety, hospital or institutional, metal, etc...☒Cancel; see item B-NEW.	
82300	Store or Office , steel or wood except as otherwise provided...☒Cancel; no further application.	
82320	Back Bars or Bar or Counter Work Boards , etc...☒Cancel; see item B-NEW.	
82380	Bolt or Screw Cases , revolving, steel, wooden, or steel and wood combined, etc...☒Cancel; see item B-NEW.	
82400	Booths , bar, restaurant or store (seats and tables combined), NOI, wooden, seats upholstered or not upholstered, KD flat, etc...☒Cancel; see item B-NEW.	
82410	Cabinets or Drawers (Boxes) , hardware or small parts storage, compartmented, NOI, etc...☒Cancel; see item B-NEW.	
82415	Cases , display, self-service, floor-standing, with or without drawers or other enclosed storage areas, metal or wood, without glass component parts, other than glass dividers, see Notes, items 82416 and 82418, etc...☒Cancel; see item B-NEW.	
82416	NOTE—☒Cancel; no further application.	
82418	NOTE—☒Cancel; no further application.	
82420	Counters , beverage bar or soda fountain, KD, etc...☒Cancel; see item B-NEW.	
82440	Counters , NOI, with or without glazed bins or drawers, with or without motor-operated checkout units, etc...☒Cancel; see item B-NEW.	
82560	Shelving , wooden or wood and fiberboard wallboard combined, with open backs and fronts, etc...☒Cancel; see item B-NEW.	
82600	Show Case Frames (show cases without glass), see Note, item 82641, etc...☒Cancel; see item B-NEW.	
82620	Show Case Interiors (Show Case Interior Cabinets, Drawers or Trays) , etc...☒Cancel; see item B-NEW.	
82630	Showcases or Display Cases , counter or floor, NOI, steel or wood, glazed, etc...☒Cancel; see item B-NEW.	
82640	Wall Cases or Cabinets or Wall Case Bases or Shelving Bases , with glass doors or glazed bins or drawers and with glass or wooden ends, or without glass, see Notes, items 82641, 82642 and 82643, etc...☒Cancel; see item B-NEW.	
82641	NOTE—☒Cancel; no further application.	
82642	NOTE—☒Cancel; no further application.	
82643	NOTE—☒Cancel; no further application.	
82670	Tables , infants' dressing and bathing, cross-legged frame-type, folding, etc...☒Cancel; see item B-NEW.	
82750	FURNITURE PARTS GROUP: see Note, item 82751...☒Cancel; no further application.	
82751	NOTE—☒Cancel; no further application.	
82754	Adapters , bed tiering, tubular steel, see Note, item 82755, etc...☒Cancel; see item B-NEW.	
82755	NOTE—☒Cancel; no further application.	
82760	Aprons and Legs , table, wooden, with aprons disassembled from legs, see Note, item 82762, etc...☒Cancel; see item B-NEW.	
82762	NOTE—☒Cancel; no further application.	
82770	Aprons or Rims , molded plywood, not nested, etc...☒Cancel; see item B-NEW.	
82775	Backs or Sides , drawer, wood particleboard, grooved and printed, in panels, etc...☒Cancel; see item B-NEW.	
82790	Bases, Columns, Pedestals or Legs , chair, stool or table, NOI, finished or unfinished, etc...☒Cancel; see item B-NEW.	
82820	Bases or Tops , filing cabinet, steel or wood, etc...☒Cancel; see item B-NEW.	
82825	Bed Rails , wooden, etc...☒Cancel; see item B-NEW.	

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ITEM	ARTICLE	CLASS
	FURNITURE PARTS GROUP: subject to item 82750	
82830	Bed Slats , wooden, NOI, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
82840	Bedstead Rails, Bedstead Rails and Holders combined , see Note, item 82842, or Bedstead Slats , steel, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
82842	NOTE— <input type="checkbox"/> Cancel; no further application.	
82870	Chair or Stool Seats or Backs , NOI, see Note, item 82871, or School or Cafeteria Chair Table Arms or Tops , etc... <input type="checkbox"/> Cancel; see item B-NEW.	
82871	NOTE— <input type="checkbox"/> Cancel; no further application.	
82930	Corner Locks, Fasteners, Hooks or Pins , bed rail, or Furniture Leg Fasteners, Table Top Levelers or Table Top Fasteners ; steel, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
82950	Couch Frame Hinges or Legs , steel, KD flat, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
82970	Couch or Sofa Arms or Ends , etc... <input type="checkbox"/> Cancel; see item B-NEW.	
82990	Doors , cabinet, wooden, in the white, without hardware, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83020	Doors, Drawer Fronts or Fillers , cabinet, in sections or panels, wooden, with hardware attached, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83060	Drawing Table Tops , steel or wooden, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83080	Fixtures , iron or steel, for raising or lowering typewriter platform in pedestals of desks, KD, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83090	Fixtures , revolving or tilting, chair tablet arm, zinc, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83095	Fixtures , revolving or tilting, NOI, chair or stool, other than reclining chair hinges, iron or steel, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83100	Frames ... <input type="checkbox"/> Cancel; see item B-NEW.	
83140	Bed spring, box spring, cot, couch or lounge, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83160	Chair, spring rocking, bases detached and placed inside seat frames, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83170	Chair, steel, other than spring rocking type chair, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83190	Chair seat, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83210	Counter, steel, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83230	Floor screen, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83233	Frames , chair, laminated paperboard or pulpboard, with or without wood reinforcement, not upholstered, SU, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83240	Fronts , cabinet, wooden, SU, and Drawers , wood particleboard, KD flat, with or without wooden filler strips and hardware for installation, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83250	Furniture Frames , wooden, NOI, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83252	NOTE— <input type="checkbox"/> Cancel; no further application.	
83270	Furniture Parts , NOI, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83310	Legs or Feet , composition or wooden, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83330	Ornaments , wooden, in the white, or composition or wood and composition combined, etc... <input type="checkbox"/> Cancel; see provisions otherwise applicable.	
83370	Rocker Springs , platform or spring rocking chair, steel, etc... <input type="checkbox"/> Cancel; see provisions otherwise applicable.	
83410	Rods , filing cabinet index guide holder, steel, with or without knobs of same or other materials, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83430	Roll Edge Protector Strip , other than foam rubber or cellular, expanded or foam plastic, for upholstered furniture, etc... <input type="checkbox"/> Cancel; see provisions otherwise applicable.	
83450	School Desk or Seat Parts, or Settee or Theater Chair Parts , iron, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83470	Shelves or Trays , kitchen cabinet, or Table Tops , enameled steel, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83490	Sides , chair, bar steel, U-shaped, unfinished... <input type="checkbox"/> Cancel; see item B-NEW.	
83495	Slides , drawer or table, wooden, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83510	Spring Assemblies , metallic, with fixtures, davenport or sofa bed, etc... <input type="checkbox"/> Cancel; see item B-NEW and provisions otherwise applicable..	
83550	Table Parts , wooden, in the white, NOI, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83620	Tops , cabinet, chest, counter, desk, stool or table, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83622	NOTE— <input type="checkbox"/> Cancel; no further application.	
83630	Tops , locker room bench, wooden, without legs, pedestal supports or mounting hardware, etc... <input type="checkbox"/> Cancel; see item B-NEW.	
83640	Tops , work bench, steel or wood, in boxes or crates, see Note, item 83642... <input type="checkbox"/> Cancel; see item B-NEW.	
83642	NOTE— <input type="checkbox"/> Cancel; no further application.	

FREIGHT CLASSIFICATION DOCKET 2023-1

ITEM	ARTICLE	CLASS
164390	<p>RACKS: subject to item 163900 Racks and Related Articles, viz.: ► Clothes or Luggage Racks; Corrals, shopping cart (Cart Corrals), see Note, item 164393; Firewood Racks or Holders; Racks, NOI; Spice Racks, see Note, item 164394; Swimming Pool Cover Racks or Reels; In packages, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
△164393	NOTE—Applies on containment systems or structures for storing or holding shopping carts in parking lots.	
△164394	NOTE—Spice racks may be shipped with complement of empty bottles or jars in same package.	
178690	<p>STANDS: subject to item 178350 ► Stands, viz.: Christmas Tree Stands; ► Clothes or Luggage Stands; Stanchions, pedestrian traffic or crowd control, with or without rope or retractable belt; Stands, NOI; In packages, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60

SUBJECT 2

Re: Plastic or Rubber Articles

Contact: Joel L. Ringer Telephone — (703) 838-1826 ringer@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
25328	Bobbins; Cores , winding or filter; Cop Tubes; Dye Tubes; Pirns; Reels; or Spools; plastic, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
	CLOTHING GROUP: subject to item 49790	
49880	Clothing , see Notes, items 49881 and 49885, viz.: Clothing, Garments or Apparel , NOI; [Other Articles Listed—Not Involved.] In boxes or Packages 1401 or 2265, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
49881	NOTE—Not Involved.	
49885	NOTE—Not Involved.	
49886	NOTE—Not Involved.	

SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	COOLERS GROUP: subject to item 53000	
53025	Coolers, Iceboxes or Refrigerators , NOI, without mechanical cooling or freezing apparatus, see Note, item 53026, in boxes, crates or Package 107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
53026	NOTE—Not Involved.	
56290*	Decorations, Notions or Novelties , see Notes, items 56291 and 56292, viz.: Curios, Figures, Images, Ornaments, Sculpture or Statuary , NOI, see Note, item 56295; Decorations, Notions or Novelties , NOI; Decorations or Ornaments , Christmas tree or holiday, NOI; [Other Articles Listed—Not Involved.] In boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
56291	NOTE—Not Involved.	
56292	NOTE—Not Involved.	
56294	NOTE—Not Involved.	
56295	NOTE—Not Involved.	

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	ELECTRICAL EQUIPMENT GROUP: subject to item 60500	
63160*	Switches, Switch Boxes, Electrical Enclosures or Electrical Wiring Equipment, see Note, item 63162, viz.: Fittings, electrical conduit, NOI; [Other Articles Listed—Not Involved.] In boxes, see Note, item 63161, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
63161	NOTE—Not Involved.	
63162	NOTE—Not Involved.	
63163	NOTE—Not Involved.	
	GAMES OR TOYS GROUP: subject to item 83900	
84260	Games or Toys, viz.: Games or Toys, NOI; [Other Articles Listed—Not Involved.] In boxes or Packages 2213, 2249 or 2296, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
84261	NOTE—Not Involved.	
84262	NOTE—Not Involved.	

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	INSULATION OR INSULATING MATERIAL GROUP: subject to item 103000	
103300	Insulation or Insulating Material, viz.: Insulation or Insulating Material, NOI; [Other Articles Listed—Not Involved.] In packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
103301	NOTE—Not Involved.	
	LAMPS OR LIGHTING GROUP: subject to item 109000	
109700*	Lamps or Lighting Fixtures, see Notes, items 109701, 109702, 109703 and 109704, viz.: Lamps, NOI, also in Packages 817, 1424, 2204 or 5F; [Other Articles Listed—Not Involved.] In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of, see Note, item 109706:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
109701	NOTE—Not Involved.	
109702	NOTE—Not Involved.	
109703	NOTE—Not Involved.	
109704	NOTE—Not Involved.	
109705	NOTE—Not Involved.	
109706	NOTE—Not Involved.	

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
133300	Machinery or Machines, NOI, or Machinery or Machine Parts, NOI:	
Sub 1	In boxes, crates or Packages 107, 1082 or 2107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 5	250
Sub 3	5 but less than 10	125
Sub 4	10 but less than 15	85
Sub 5	15 or greater.....	65
Sub 6	On skids or in packages other than boxes, crates or Packages 107, 1082 or 2107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 5	400
Sub 8	5 but less than 10	175
Sub 9	10 but less than 15	100
Sub 10	15 or greater.....	77.5

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
149265	<p>PADS, PADDING AND RELATED ARTICLES GROUP: subject to item 149000</p> <p>Pads, Padding, Cushions or Pillows, see Note, item 149269, viz.:</p> <p>Berms, spill containment;</p> <p>Booms, Pads, Sweeps or Other Forms or Shapes, chemical or oil absorption;</p> <p>Cushions, aircraft seat or railway car seat;</p> <p>Cushions, automotive safety restraint system, cloth (Air Bag Inflator Cushions);</p> <p>Cushions, NOI;</p> <p>Excelsior, NOI; or Shredded Paper Packing Material;</p> <p>Futons;</p> <p>Packing Material, loosefill, NOI, including Packing Peanuts, Pellets, Disks or Other Forms or Shapes;</p> <p>Pads, mattress;</p> <p>Pads or Cushions, packing; excelsior, grass, hay, straw or shredded or macerated paper;</p> <p>Pads or Padding, NOI;</p> <p>Pillows or Pillow Forms (Unfinished Pillows), NOI;</p> <p>Seat Backs, railway car, upholstered or padded;</p> <p>In packages, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
149269	<p>NOTE—Does not apply on polypropylene in sheet form, polyethylene in sheet form or polystyrene in sheet form when the packaged density as shipped is less than one pound per cubic foot. Such articles are classified in item 157463.</p>	

SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
156500	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: Articles consist of Plastic or Rubber Articles, other than foam, cellular, expanded or sponge articles, see Item 110, Sec. 15 and Note, item 156502, as described in items subject to this grouping.	
156502	NOTE—Unless otherwise provided, provisions also apply when articles have components or affixed accessories made from other materials.	
156600*	<p>Articles, viz.:</p> <p>Articles, NOI;</p> <p>Boot or Shoe Forms or Trees, other than display forms or trees;</p> <p>Caps, Covers, Discs, Ends, Bands, Rings or Tops, NOI, for bottles, cans, cups, collapsible tubes, glasses, jars or jugs;</p> <p>Car Seats, child or baby;</p> <p>Columns; or other Forms or Shapes, NOI; architectural;</p> <p>Containers, packaging, NOI;</p> <p>Dinnerware or Tableware, NOI;</p> <p>Filmstrip or Audio or Video Cassette Storage Albums;</p> <p>Garbage or Refuse Cans;</p> <p>Gloves, see Note, item 156604;</p> <p>Grips, NOI, including Golf Club, Hand Tool or Handlebar Grips;</p> <p>Liners, swimming pool, plastic film or sheeting;</p> <p>Mats, bathtub, shower stall, drainboard, sink or stove protector;</p> <p>Molding, other than baseboard or cove;</p> <p>Motion Picture Film Cans, Cores, Magazines, Reels or Film Spools, empty;</p> <p>Pipe or Pipe Fittings;</p> <p>Poultry Watering Systems, see Note, item 156603;</p> <p>Tanks, NOI;</p> <p>Tractor Treads, rubber;</p> <p>Tubing, NOI, other than flexible;</p> <p style="padding-left: 40px;">In boxes, crates, drums or Packages 1078, 1241, 1273 or 2213, see Note, item 156602, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
156602*	NOTE—The following departures from packing requirements are permitted: 1-8. Not Involved. 9. Plastic chairs may be shipped in Package 31F. 10. The following articles may be shipped in packages: a. Garbage or refuse cans; b. Plastic bottle carrying boxes or crates; c. Plastic tanks, other than outer shipping containers; d. Poultry watering systems.	
156603	NOTE—Applies on poultry watering systems consisting of pipe, plastic drinkers, water filtering, metering or regulating devices and equipment necessary for installation, with or without other components or accessories.	
156604	NOTE—Does not apply on any commodity which is defined and specified as medical waste in Federal regulations. For applicable class, see item 101682.	
156620	Aprons or Bibs , plastic film, expendable, not combined, reinforced nor assembled with other materials, in boxes.....	70
156630	Bands , elastic, including Rubber Bands , in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 15.....	85
Sub 2	15 or greater	70
156640	Bars, Blocks or Rods , NOI, in packages.....	70
156642	Baskets, Holders or Filters , coffee, automatic coffee maker, plastic and cloth combined, in boxes	300
156643	Bends, Elbows or Sweeps , electrical conduit, not exceeding four inches in diameter, tightly bound in bundles and secured between a bottom and top four-piece wooden skid framework by strapping	100
156644	Blanks , button, plastic, in bags, boxes or drums.....	65
156645	Blocks or Spacers , floor mat, in bags or boxes	70
156647	Boards or Blocks , cutting, in boxes or crates	60
156648	Bodies , electric interrupter, glass fiber and plastic, see Note, item 156649, in packages	77.5
156649	NOTE—Applies only on tubular bodies having walls not less than 3/8 inch in thickness and whether or not ready for assembly with electrical components of interrupters.	
156650	Bolting Cloth Cleaners or Sieve Frame Liners , in boxes.....	85
156652	Bodies , shotgun shell, not exceeding 3/4 inch in diameter, in boxes	150
156660	Bumpers or Springs , NOI, combined or not combined with steel, see Note, item 156661, in packages.....	77.5
156661	NOTE—Does not apply on air springs. For applicable provisions, see item 177905, 'Air Springs.'	

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
156680	Carriers , bottle or can, in rolls on reels, in packages.....	70
156690	Chocks , wheel, molded solid rubber or laminated sections of old tires, with or without steel hardware or eyebolts	55
156700	Coasters , tableware, nested, in boxes	85
156705	Compounds , molding, containing chopped fiberglass, filler and resin, see Note, item 156707, in rolls in packages having a density in pounds per cubic foot of 50 or greater	60
156707	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, charges will initially be assessed under the provisions for 'Plastic Articles, NOI' per item 156600. Upon satisfactory proof of actual density, freight charges will be adjusted accordingly.	
156730	Containers , refuse, salvage or waste, conveying or dumping type, for use with hoists or lift trucks, nested, in nests having a density in pounds per cubic foot of 8 or greater, see Notes, items 156731 and 156732.....	100
156731	NOTE—Hardware necessary for assembly must be in boxes and casters or wheels for the containers must be in packages.	
156732	NOTE—Density must be shown by the shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, charges will initially be assessed under the provisions for 'Plastic Articles, NOI,' per item 156600. Upon satisfactory proof of actual density, freight charges will be adjusted accordingly.	
156740	Cores , wire rope or cable, in boxes or on reels	70
156750	Covers or Jackets , flowerpot or plantpot, plastic film, separate or combined with other materials, in boxes.....	300
156760	Covers or Protectors , plant, nested, in boxes.....	70
156780	Door Check Straps , in boxes.....	92.5
156790	Faucets, NOI, or Bibcocks , in boxes.....	100
156800	Fillers or Flats , egg case or egg carrier, nested solid, in boxes.....	65
156820	Film or Sheeting , flock coated or printed with flock, in packages.....	100

SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
156830**	Film or Sheeting , NOI, see Note, item 156831, in boxes, crates, wrapped bundles or rolls, or Packages 2057, 2059 or 2221, see Note, item 156832:	
Sub 1	Food or pharmaceutical grade, see Note, item 156834, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 15	110
Sub 3	15 but less than 30	77.5
Sub 4	30 or greater.....	65
Sub 5	Other than food or pharmaceutical grade as defined in Note, item 156834, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 15	92.5
Sub 7	15 but less than 30	65
Sub 8	30 or greater.....	55
156831	NOTE—Does not apply on self-supporting (rigid) plastic sheet or plate. For applicable provisions, see item 156300.	
156832	NOTE—Film or sheeting tendered for shipment on lift truck skids or pallets must not overhang the skid or pallet deck, and all exposed surfaces and edges must be completely wrapped with plastic film or corrugated fiberboard. Film or sheeting stacked on lift truck skids or pallets must be secured to the lift truck skid or pallet by means necessary to withstand the normal rigors of the less-than-truckload environment.	
156834	NOTE—The term 'food or pharmaceutical grade' embraces film or sheeting that will be used in connection with food, foodstuffs, pharmaceuticals or other applications, and where exposure of the film or sheeting to hazardous materials, odor-emitting freight, debris or other contaminants will result in a claim for, or refusal of, all or part of the shipment. Bills of lading and shipping orders must be so notated, and shipping containers or packages must also be so marked.	
156845	Fingers , picking or stripping, for poultry processing equipment, in boxes	70
156860	Holders , telephone, in boxes.....	150
156870	Indicators or Signals , plant soil moisture, wick type, plastic, coated with water sensitive chemicals, in boxes	100
156910	Lumber , in packages, having a density in pounds per cubic foot of 35 or greater, see Notes, items 156911 and 156912.....	55
156911	NOTE—Does not apply on finished articles, assembled or disassembled, fabricated from plastic lumber.	

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
156912	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 156600, 'Plastic or Rubber Articles, NOI, other than expanded.' Upon submission of satisfactory proof of an actual density in pounds per cubic foot of 35 or greater, class will be adjusted accordingly.	
156920	Markers or Tags, plant or tree identification or plant care instruction, plastic film or sheeting, plain, printed or lithographed, in boxes.....	65
156950	Moldings, Channels, Splines or Strips, glass or screen cloth retaining, in boxes.....	77.5
156960	Netting, in tubular form, collapsed, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8.....	175
Sub 2	8 but less than 12.....	100
Sub 3	12 or greater.....	70
157020	Pumpkins, Pumpkin Lanterns (Jack-O'-Lanterns) or Pumpkin Toys, plastic, with or without components of other materials, in boxes.....	300
157060	Rings, fruit jar, in boxes or drums.....	77.5
157130	Speed Bumps, in packages.....	70
157160	Straps, Strapping, or Webbing, upholstery, with or without cord fabric reinforcement, with or without metal end clips, in boxes.....	77.5
157170	Straps, Strips, Rope or Cord, NOI, lashing, tying or tightening, see Note, item 157172, with or without metal hooks or fasteners, in packages....	70
157172	NOTE—Applies only when other than of twisted, braided or stranded construction.	
157190	Tape, carton sealing, polypropylene or polyester plastic film, adhesive coated, see Note, item 157192, in boxes.....	60
157192	NOTE—Applies only on carton sealing tape in rolls of not less than 36 yards.	
157205	Tips, crutch or furniture, in boxes.....	85
157215*	Tire Patches, Plugs or Liners, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 15.....	92.5
Sub 2	15 or greater.....	70

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
157242	Traffic or Road Markers , including Cones, Barrels, Drums or Posts , in packages, see Note, item 157243, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
157243	NOTE—Traffic or road marker barrels or drums may be shipped loose.	
157250	Wrappers , tubular, woven plastic film, in packages	70

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SUBJECT 2

Present Classification Provisions — Continued

Item	Description	Class
157300	PLASTIC OR RUBBER ARTICLES OR MATERIALS, EXPANDED, GROUP: Articles consist of Plastic or Rubber Articles or Materials, foam, cellular, expanded or sponge, see Item 110, Sec. 15 and Note, item 157302, as described in items subject to this grouping.	
157302	NOTE—Unless otherwise provided, provisions also apply when articles have components or affixed accessories made from other materials.	
157320*	Articles, Forms or Materials, viz.: Articles , NOI, see Note, item 157321; Beads ; Blocks , NOI, see Note, item 157321; Boot or Shoe Forms or Trees , other than display forms or trees; Boxes or Chests , cooling, NOI, or Coolers , NOI, hand portable; Containers , liquid or beverage serving, hand portable; Flakes or Granules ; Floats , NOI; Forms or Shapes , NOI, see Note, item 157321; Grips , NOI, including Golf Club, Hand Tool or Handlebar Grips ; Ground ; Ice Buckets ; Insulation , NOI, see Notes, items 157321 and 157322; Molding , facing, baseboard or cove, including Ceiling Medallions or Cornices ; Plates , see Note, item 157321; Rods ; Sheets , NOI, see Notes, items 157321 and 157322; Shredded ; Slabs , see Note, item 157321; Tubes , NOI; Tubing , NOI, other than flexible; In bags, boxes or drums, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60

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SUBJECT 2

Present Classification Provisions — Concluded

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES OR MATERIALS, EXPANDED, GROUP: subject to item 157300	
157321*	NOTE—Also applies when faced one or both sides with other materials but does not apply on combinations of flexible cellular, expanded or foam plastic or rubber and cloth or fabric.	
157322*	NOTE—Does not apply on polypropylene in sheet form, polyethylene in sheet form or polystyrene in sheet form, when the packaged density as shipped is less than 1 pound per cubic foot. Such articles are classified in item 157463.	
157463	Film; Insulation, Pads or Padding, in sheet form; Sheets or Sheeting; polypropylene, polyethylene or polystyrene, in packages having a density of less than one pound per cubic foot.....	500
	STANDS: subject to item 178350	
178690	Stands, other than furniture, viz.: Stands, NOI; [Other Articles Listed—Not Involved.] In packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60

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SUBJECT 2

Proposed Classification Provisions

Item	Description	Class
25328	Bobbins; Cores , winding or filter; Cop Tubes; Dye Tubes; Pirns; Reels; or Spools ; plastic, etc	⇒Cancel; see item 156600
	CLOTHING GROUP: subject to item 49790	
49880	Clothing , see Notes, items 49881 and 49885, viz.: Clothing, Garments or Apparel , NOI; [Other Articles Listed—No Change.] In boxes or Packages 1401 or 2265, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
49881	NOTE—No Change.	
49885	NOTE—No Change.	
49886	NOTE—No Change.	
	COOLERS GROUP: subject to item 53000	
53025	Coolers, Iceboxes or Refrigerators , NOI, without mechanical cooling or freezing apparatus, see Note, item 53026, in boxes, crates or Package 107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
53026	NOTE—No Change.	

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
56290	Decorations, Notions or Novelties , see Notes, items 56291 and 56292, viz.: Curios, Figures, Images, Ornaments, Sculpture or Statuary , NOI, see Note, item 56295; Decorations, Notions or Novelties , NOI; Decorations or Ornaments , Christmas tree or holiday, NOI; [Other Articles Listed—No Change.] In boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
56291	NOTE—No Change.	
56292	NOTE—No Change.	
56294	NOTE—No Change.	
56295	NOTE—No Change.	
	ELECTRICAL EQUIPMENT GROUP: subject to item 60500	
63160	Switches, Switch Boxes, Electrical Enclosures or Electrical Wiring Equipment , see Note, item 63162, viz.: Fittings , electrical conduit, NOI; [Other Articles Listed—No Change.] In boxes, see Note, item 63161, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
63161	NOTE—No Change.	
63162	NOTE—No Change.	
63163	NOTE—No Change.	

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
	GAMES OR TOYS GROUP: subject to item 83900	
84260	Games or Toys, viz.: Games or Toys, NOI; [Other Articles Listed—No Change.] In boxes or Packages 2213, 2249 or 2296, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
84261	NOTE—No Change.	
84262	NOTE—No Change.	
	INSULATION OR INSULATING MATERIAL GROUP: subject to item 103000	
103300	Insulation or Insulating Material, viz.: Insulation or Insulating Material, NOI; [Other Articles Listed—No Change.] In packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
103301	NOTE—No Change.	

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
	LAMPS OR LIGHTING GROUP: subject to item 109000	
109700	Lamps or Lighting Fixtures, see Notes, items 109701, 109702, 109703 and 109704, viz.: Lamps, NOI, also in Packages 817, 1424, 2204 or 5F; [Other Articles Listed—No Change.] In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of, see Note, item 109706:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
109701	NOTE—No Change.	
109702	NOTE—No Change.	
109703	NOTE—No Change.	
109704	NOTE—No Change.	
109705	NOTE—No Change.	
109706	NOTE—No Change.	
	MACHINERY GROUP: subject to item 114000	
133300	Machinery or Machines, NOI, or Machinery or Machine Parts, NOI: Sub 1 In boxes, crates or Packages 107, 1082 or 2107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 5	250
Sub 3	5 but less than 10	125
Sub 4	10 but less than 15	85
Sub 5	15 or greater.....	65
Sub 6	On skids or in packages other than boxes, crates or Packages 107, 1082 or 2107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 5	400
Sub 8	5 but less than 10	175
Sub 9	10 but less than 15	100
Sub 10	15 or greater.....	77.5

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
149265	<p>PADS, PADDING AND RELATED ARTICLES GROUP: subject to item 149000</p> <p>⇒Pads, Padding, Cushions or Pillows, viz.:</p> <p>Berms, spill containment;</p> <p>Booms, Pads, Sweeps or Other Forms or Shapes, chemical or oil absorption;</p> <p>Cushions, aircraft seat or railway car seat;</p> <p>Cushions, automotive safety restraint system, cloth (Air Bag Inflator Cushions);</p> <p>Cushions, NOI;</p> <p>Excelsior, NOI; or Shredded Paper Packing Material;</p> <p>Futons;</p> <p>Packing Material, loosefill, NOI, including Packing Peanuts, Pellets, Disks or Other Forms or Shapes;</p> <p>Pads, mattress;</p> <p>Pads or Cushions, packing; excelsior, grass, hay, straw or shredded or macerated paper;</p> <p>Pads or Padding, NOI;</p> <p>Pillows or Pillow Forms (Unfinished Pillows), NOI;</p> <p>Seat Backs, railway car, upholstered or padded;</p> <p>In packages, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1 400	
Sub 2	1 but less than 2..... 300	
Sub 3	2 but less than 4..... 250	
Sub 4	4 but less than 6..... 175	
Sub 5	6 but less than 8..... 125	
Sub 6	8 but less than 10..... 100	
Sub 7	10 but less than 12..... 92.5	
Sub 8	12 but less than 15..... 85	
Sub 9	15 but less than 22.5..... 70	
Sub 10	22.5 but less than 30..... 65	
Sub 11	30 or greater..... 60	
149269	NOTE—⇒Cancel; no further application.	

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
156500	⇒ PLASTIC OR RUBBER ARTICLES GROUP: Except as provided in item 156600, items subject to this grouping apply on Plastic or Rubber Articles, other than foam, cellular, expanded or sponge. See Item 110, Sec. 15 and Note, item 156502.	
156502	NOTE—Unless otherwise ⇒specified, provisions also apply when articles have components or affixed accessories made from other materials.	
156600	<p>Articles, ⇒see Note, item NEW, viz.:</p> <ul style="list-style-type: none"> Articles, NOI; ⇒Bands, elastic, including Rubber Bands; ⇒Baskets, Holders or Filters, coffee, automatic coffee maker, plastic and cloth combined; ⇒Bobbins; Cores, winding or filter; Cop Tubes; Dye Tubes; Pirns; Reels; or Spools; ⇒Boot or Shoe Forms or Trees, other than display forms or trees; Caps, Covers, Discs, Ends, Bands, Rings or Tops, NOI, for bottles, cans, cups, collapsible tubes, glasses, jars or jugs; Car Seats, child or baby; Columns; or other Forms or Shapes, NOI; architectural; Containers, packaging, NOI; Dinnerware or Tableware, NOI; ⇒Faucets, NOI, or Bibcocks; ⇒Film or Sheeting, foam, cellular, expanded or sponge plastic or rubber, NOI; ⇒Filmstrip or Audio or Video Cassette Storage Albums; ⇒Garbage, Waste, Refuse or Recycling Cans or Containers; Gloves, see Note, item 156604; Grips, NOI, including Golf Club, Hand Tool or Handlebar Grips; Liners, swimming pool, plastic film or sheeting; ⇒Materials, Forms or Shapes, foam, cellular, expanded or sponge plastic or rubber, NOI; Mats, bathtub, shower stall, drainboard, sink or stove protector; ⇒Molding, facing, baseboard or cove, foam, cellular, expanded or sponge plastic or rubber, including Ceiling Medallions or Cornices; Molding, other than ⇒facing, baseboard or cove; ⇒Motion Picture Film Cans, Cores, Magazines, Reels or Film Spools, empty; Pipe or Pipe Fittings; Poultry Watering Systems, see Note, item 156603; ⇒Straps, Bungee Cord or Shock Cord, lashing, tying or securing, with or without hooks or other fasteners or fittings; Tanks, NOI; 	

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES GROUP: subject to item 156500	
	Articles: subject to item 156600	
	⇒Tape, NOI;	
	⇒Tips, crutch or furniture;	
	⇒Tire Patches, Plugs or Liners;	
	Tractor Treads, rubber;	
	⇒Traffic or Road Markers, including Cones, Barrels, Drums or Posts;	
	Tubing, NOI, other than flexible;	
	In boxes, crates, drums or Packages 1078, 1241, 1273 or 2213, see Note, item 156602, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
⇒NEW	NOTE—Except as otherwise specified, this item applies on plastic or rubber articles whether or not of foam, cellular, expanded or sponge construction.	
156602	NOTE—The following departures from packing requirements are permitted: 1-8. No Change. 9. ⇒Plastic chairs may be shipped in Package 31F. 10. The following articles may be shipped in packages: a. ⇒Garbage, waste, refuse or recycling cans or containers; b. Plastic bottle carrying boxes or crates; c. Plastic tanks, other than outer shipping containers; d. Poultry watering systems; ⇒e. Traffic or road markers, including cones, barrels, drums or posts.	
156603	NOTE—Applies on poultry watering systems consisting of pipe, plastic drinkers, water filtering, metering or regulating devices and equipment necessary for installation, with or without other components or accessories.	
156604	NOTE—Does not apply on any commodity which is defined and specified as medical waste in Federal regulations. For applicable class, see item 101682.	

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES GROUP: subject to item 156500	
156620	Aprons or Bibs , plastic film, expendable, etc	⇒Cancel; see item 49880
156630	Bands , elastic, including Rubber Bands , etc	⇒Cancel; see item 156600
156640	Bars, Blocks or Rods , NOI, etc	⇒Cancel; see item 156600
156642	Baskets, Holders or Filters , coffee, automatic coffee maker, plastic and cloth combined, etc	⇒Cancel; see item 156600
156643	Bends, Elbows or Sweeps , electrical conduit, not exceeding four inches in diameter, etc	⇒Cancel; see item 63160
156644	Blanks , button, plastic, etc	⇒Cancel; believed to be obsolete
156645	Blocks or Spacers , floor mat, etc	⇒Cancel; see item 156600
156647	Boards or Blocks , cutting, etc	⇒Cancel; see item 156600
156648	Bodies , electric interrupter, glass fiber and plastic, see Note, item 156649, etc	⇒Cancel; believed to be obsolete
156649	NOTE—⇒Cancel; no further application.	
156650	Bolting Cloth Cleaners or Sieve Frame Liners , etc	⇒Cancel; believed to be obsolete
156652	Bodies , shotgun shell, not exceeding ¾ inch in diameter, etc.....	⇒Cancel; see item 156600
156660	Bumpers or Springs , NOI, combined or not combined with steel, see Note, item 156661, etc.....	⇒Cancel; see item 156600
156661	NOTE—⇒Cancel; no further application.	
156680	Carriers , bottle or can, etc	⇒Cancel; see item 156600
156690	Chocks , wheel, molded solid rubber or laminated sections of old tires, etc	⇒Cancel; see item 156600
156700	Coasters , tableware, nested, etc	⇒Cancel; see item 156600
156705	Compounds , molding, containing chopped fiberglass, filler and resin, see Note, item 156707, etc	⇒Cancel; see item 156600
156707	NOTE—⇒Cancel; no further application.	

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES GROUP: subject to item 156500	
156730	Containers , refuse, salvage or waste, conveying or dumping type, for use with hoists or lift trucks, nested, in nests having a density in pounds per cubic foot of 8 or greater, see Notes, items 156731 and 156732.....	⇒Cancel; see item 156600
156731	NOTE—⇒Cancel; no further application.	
156732	NOTE—⇒Cancel; no further application.	
156740	Cores , wire rope or cable, etc	⇒Cancel; see item 156600
156750	Covers or Jackets , flowerpot or plantpot, plastic film, separate or combined with other materials, etc.....	⇒Cancel; see item 156600
156760	Covers or Protectors , plant, nested, etc.....	⇒Cancel; see item 156600
156780	Door Check Straps , etc.....	⇒Cancel; see item 156600
156790	Faucets, NOI, or Bibcocks , etc	⇒Cancel; see item 156600
156800	Fillers or Flats , egg case or egg carrier, nested solid, etc.....	⇒Cancel; see item 156600
156820	Film or Sheeting , flock coated or printed with flock, etc	⇒Cancel; see item 156830
156830	Film or Sheeting , NOI, see Note, item 156831, in boxes, crates, wrapped bundles or rolls, or Packages 2057, 2059 or 2221, see Note, item 156832:	
Sub 1	Food or pharmaceutical grade, see Note, item 156834, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 15	110
Sub 3	15 but less than 30	77.5
Sub 4	30 or greater.....	65
Sub 5	Other than food or pharmaceutical grade as defined in Note, item 156834, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 15	92.5
Sub 7	15 but less than 30	65
Sub 8	30 or greater.....	55
156831	NOTE—Does not apply on self-supporting (rigid) plastic sheet or plate. For applicable provisions, see item 156300.	

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES GROUP: subject to item 156500	
156832	NOTE—Film or sheeting tendered for shipment on lift truck skids or pallets must not overhang the skid or pallet deck, and all exposed surfaces and edges must be completely wrapped with plastic film or corrugated fiberboard. Film or sheeting stacked on lift truck skids or pallets must be secured to the lift truck skid or pallet by means necessary to withstand the normal rigors of the less-than-truckload environment.	
156834	NOTE—The term 'food or pharmaceutical grade' embraces film or sheeting that will be used in connection with food, foodstuffs, pharmaceuticals or other applications, and where exposure of the film or sheeting to hazardous materials, odor-emitting freight, debris or other contaminants will result in a claim for, or refusal of, all or part of the shipment. Bills of lading and shipping orders must be so notated, and shipping containers or packages must also be so marked.	
156845	Fingers , picking or stripping, for poultry processing equipment, etc	⇒Cancel; see item 133300
156860	Holders , telephone, etc.....	⇒Cancel; see item 178690 and provisions otherwise applicable
156870	Indicators or Signals , plant soil moisture, wick type, plastic, coated with water sensitive chemicals, etc.....	⇒Cancel; believed to be obsolete
156910	Lumber , in packages, having a density in pounds per cubic foot of 35 or greater, see Notes, items 156911 and 156912.....	55
156911	NOTE—Does not apply on finished articles, assembled or disassembled, fabricated from plastic lumber.	
156912	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 156600, ⇒'Plastic or Rubber Articles, NOI.' Upon submission of satisfactory proof of an actual density in pounds per cubic foot of 35 or greater, class will be adjusted accordingly.	
156920	Markers or Tags , plant or tree identification or plant care instruction, plastic film or sheeting, plain, printed or lithographed, etc ..	⇒Cancel; see item 156600
156950	Moldings, Channels, Splines or Strips , glass or screen cloth retaining, etc.....	⇒Cancel; see item 156600
156960	Netting , in tubular form, collapsed, etc.....	⇒Cancel; see item 156600

SUBJECT 2

Proposed Classification Provisions — Continued

Item	Description	Class
	PLASTIC OR RUBBER ARTICLES GROUP: subject to item 156500	
157020	Pumpkins, Pumpkin Lanterns (Jack-O'-Lanterns) or Pumpkin Toys, plastic, with or without components of other materials, etc	⇒Cancel; see items 56290, 84260, 109700 and 156600
157060	Rings, fruit jar, etc	⇒Cancel; believed to be obsolete
157130	Speed Bumps, etc	⇒Cancel; see item 156600
157160	Straps, Strapping, or Webbing, upholstery, etc	⇒Cancel; see item 156600 and provisions otherwise applicable
157170	Straps, Strips, Rope or Cord, NOI, lashing, tying or tightening, see Note, item 157172, etc	⇒Cancel; see item 156600
157172	NOTE—	⇒Cancel; no further application.
157190	Tape, carton sealing, polypropylene or polyester plastic film, adhesive coated, see Note, item 157192, etc	⇒Cancel; see item 156600
157192	NOTE—	⇒Cancel; no further application.
157205	Tips, crutch or furniture, etc	⇒Cancel; see item 156600
157215	Tire Patches, Plugs or Liners, etc	⇒Cancel; see item 156600
157242	Traffic or Road Markers, including Cones, Barrels, Drums or Posts, etc	⇒Cancel; see item 156600
157243	NOTE—	⇒Cancel; no further application.
157250	Wrappers, tubular, woven plastic film, etc	⇒Cancel; see item 156600
157300	PLASTIC OR RUBBER ARTICLES OR MATERIALS, EXPANDED, GROUP, etc	⇒Cancel; no further application
157302	NOTE—	⇒Cancel; no further application.
157320	Articles, Forms or Materials, etc	⇒Cancel; see items 53025, 103300 and 156600
157321	NOTE—	⇒Cancel; no further application.
157322	NOTE—	⇒Cancel; no further application.
157463	Film; Insulation, Pads or Padding, in sheet form; Sheets or Sheeting; polypropylene, polyethylene or polystyrene, in packages having a density of less than one pound per cubic foot	⇒Cancel; see items 103300, 149265 and 156600

SUBJECT 2

Proposed Classification Provisions — Concluded

Item	Description	Class
	STANDS: subject to item 178350	
178690	Stands, other than furniture, viz.: Stands, NOI; [Other Articles Listed—No Change.] In packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60

Analysis

Introduction

There are currently two separate generic headings for plastic or rubber articles—items 156500 and 157300—with the distinction being whether or not the articles are of foam, cellular, expanded or sponge construction. The general, “catch-all” items for the two groups—items 156600 and 157320, respectively—both assign the FCDC’s standard 11-subprovision density scale. Item 25328, naming “Bobbins; Cores, winding or filter; Cop Tubes; Dye Tubes; Pirns; Reels; or Spools; plastic,” which falls under neither generic heading, and item 157242, naming “Plastic or Rubber Traffic or Road Markers, including Cones, Barrels, Drums or Posts,” likewise assign the 11-subprovision density scale.

Additionally, a number of the provisions under items 156500 and 157300 can be difficult to interpret, apply or verify, and several appear to be obsolete. Also, some of the products named would be more-appropriately classified with other, related products elsewhere in the NMFC.

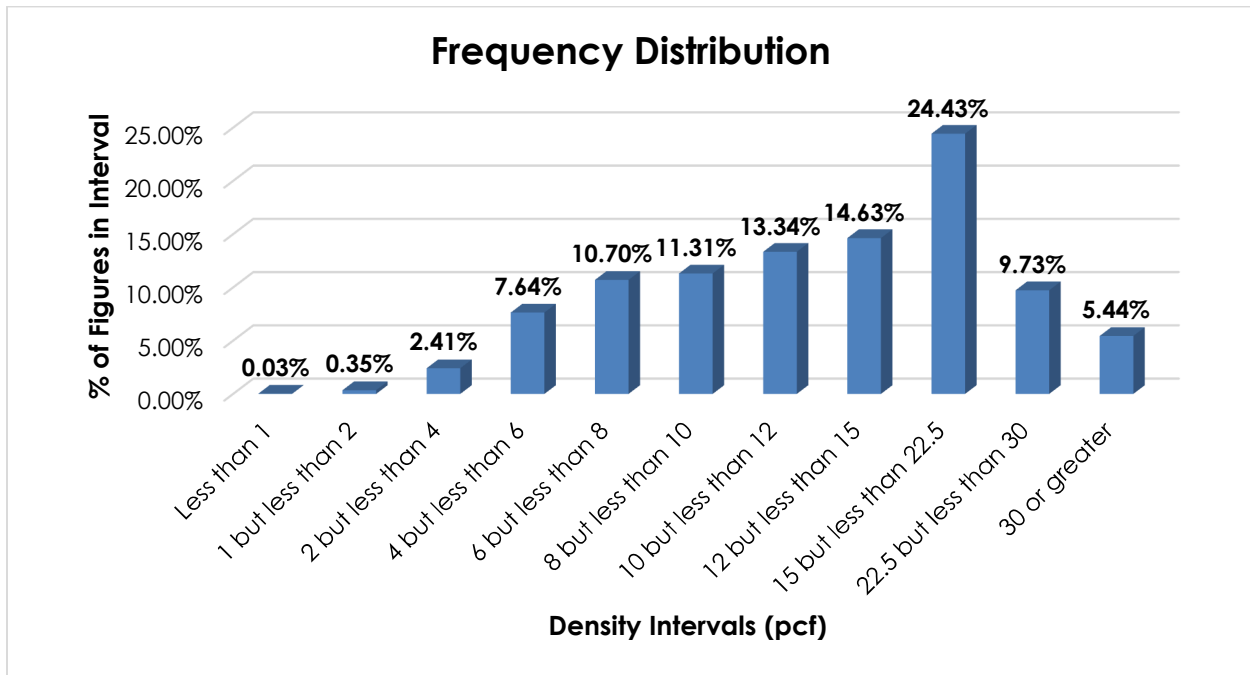
All this creates undue complexity.

Moreover, the involved products exhibit a wide range of densities. The following transportation characteristics relate to items 156620, 156630, 156640, 156642, 156643, 156645, 156647, 156652, 156660, 156680, 156690, 156700, 156705, 156730, 156740, 156750, 156760, 156780, 156790, 156800, 156820, 156845, 156860, 156920, 156950, 156960, 157020, 157130, 157160, 157170, 157190, 157205, 157215, 157250 and 157463, as shown in the Present Classification Provisions herein.

SUBJECT 2

Transportation Characteristics

Density—The information of record includes 91,587 density observations submitted by a carrier, collected during a dock survey and obtained from the FCDC’s Density Study¹. The densities range from 0.81 to 49.69 pcf, with an overall average density of 14.59 pcf. As shown in the graph below, the densities are widely distributed throughout most of the range.



Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

Conclusion

Based on the foregoing analysis, and to improve the usability of the NMFC, this proposal would: reclassify multiple plastic or rubber articles; cancel obsolete provisions; amend minimum packaging requirements, on the recommendation of the FCDC’s Packaging Manager; and make other changes in the interest of clarification, simplification and uniformity.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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SUBJECT 3

Re: Dental, Hospital or Medical Supply Group

Contact: Lisa K. O'Donnell Telephone — (703) 838-1838 odonnell@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	CABINETS, OR PARTS NAMED: subject to item 39200	
39270	Cabinets , NOI, with or without wheels, other than furniture, see Note, item 39272, in boxes, crates or Packages 1078 or 2520, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
39272	NOTE—Not Involved.	
56400	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: Articles consist of Dental, Hospital, Medical or Surgical Supplies, as described in items subject to this grouping, see Note, item 56401.	
56401	NOTE—Not Involved.	
56440	Apparatus , gas or oxygen administering, other than expendable breathing circuits or expendable administration sets, in boxes or crates.....	125
56445	Apparatus , pulmonary assistance, consisting of portable air compressor and nebulizer with tubing and mouthpiece.....	85
56533	Carts , medication storage and dispensing (Medication Carts) or patient treatment (Treatment Carts), metal or metal and plastic combined, see Note, item 56534, with or without complement of drawers, in boxes or doublewall corrugated fiberboard containers.....	150
56534	NOTE—Applies on carts designed with drawers for drugs or medicines, bandages or dressings, or other articles for the care and treatment of patients. Carts may have accessories such as cup dispensers, waste receptacles or lights.	
56540	Chests , X-ray film, sheet steel, lead lined, in boxes	85

SUBJECT 3

Present Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400	
56550	Commodes, Commode Chairs or Commode Stations, sanitary, with toilet seat or waste pail, in boxes:	
Sub 1	NOI.....	250
Sub 2	With steel framework, having a density in pounds per cubic foot of 12 or greater, see Note, item 56551	85
56551	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of sub 1, 'NOI.' Upon submission of satisfactory proof of an actual density in pounds per cubic foot of 12 or greater, class will be adjusted accordingly.	
56555	Concentrators, oxygen, see Note, item 56557, in boxes.....	100
56557	NOTE—Applies on mechanical devices designed to filter nitrogen and contaminants from ambient air to supply patient with oxygen.	
56560	Containers, blood collecting, glass, less than 1/2 pint capacity, with or without stoppers, empty, see Note, item 56562, in boxes	70
56562	NOTE—Also applies on accompanying accessorial bleeding sets, needles, needle guards, adapters, or holders with or without needles attached. The total weight of such named accessorial articles must not exceed 10 percent of the weight upon which charges are assessed.	
56600	Crutches, in packages.....	100
56620	Dental Cement, in boxes	110
56630	Dental Fountain Bowls or Cuspidors, in boxes or drums	125
56640	Dental Goods, NOI, other than plastic, in boxes.....	100
56660	Dental Impression Compound, in boxes or drums.....	85
56670	Dental Investment Compound or Dental Plaster, suitable for making casts or molds:	
Sub 1	In inner containers in boxes or drums.....	65
Sub 2	In bulk in drums or five-ply paper bags.....	55
56680*	Dental, Medical or Surgical Instruments or Machines, NOI, including Clinical Thermometers, see Note, item 56682, other than dental units, in boxes or Package 2376	150
56682	NOTE—Applies only on self-registering thermometers for determining the temperature of a human or animal body.	
56695	Dental Units, in boxes	100
56705	Dialyzers, artificial kidney machine, plastic, expendable, in boxes	100
56720	Driers, X-ray film, steel, in boxes or crates.....	85
56740	Droppers, medicine (Eyedroppers), or Medicine Droppers and Bottle Caps combined, in boxes:	
Sub 1	With plastic tubes.....	175
Sub 2	With glass tubes	70

*Published in Supplement 4 to NMF 100-AV, effective December 17, 2022.

SUBJECT 3

Present Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400	
56750	Electrodes , patient monitoring or testing instrument or device, plastic and metal combined, expendable, in boxes 125	125
56760	Electro-therapeutic Cabinets or Plates , table or wall, or Electro-therapeutic or Diathermic Instruments or Apparatus , NOI, in boxes or crates 100	100
56765	Forceps , suture, disposable, steel, in bulk in boxes..... 70	70
56770	Frames , fracture treatment, overhead or lateral, metal or wood, KD, in boxes..... 85	85
56775	Kits , enema, expendable, consisting of plastic containers, administering apparatus and chemical compounds, in boxes:	
Sub 1	Containing 10 ounces or more of barium sulfate compound per kit 60	60
Sub 2	NOI..... 65	65
56785	Kits or Sets , patient care, comfort or treatment, viz.:	
	Kits , maternity, see Note, item 56787;	
	Kits or Sets , expendable aspirating, administration or transference, see Note, item 56788;	
	Kits , patient care or treatment, NOI, see Note, item 56789;	
	Kits , personal care or comfort, see Note, item 56786;	
	In boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1 400	400
Sub 2	1 but less than 2..... 300	300
Sub 3	2 but less than 4..... 250	250
Sub 4	4 but less than 6..... 175	175
Sub 5	6 but less than 8..... 125	125
Sub 6	8 but less than 10..... 100	100
Sub 7	10 but less than 12..... 92.5	92.5
Sub 8	12 but less than 15..... 85	85
Sub 9	15 but less than 22.5..... 70	70
Sub 10	22.5 but less than 30..... 65	65
Sub 11	30 or greater..... 60	60
56786	NOTE—Applies on kits for use in hospitals, clinics, nursing homes or other medical institutions consisting of a mixture of three or more of the following: toilet preparations, toothbrush, toothpaste, bar soap, facial tissues, washcloth, comb or other articles for the personal care or comfort of the individual.	
56787	NOTE—Applies on kits consisting of bottles, maternity garments, sanitary pads or related accessories.	
56788	NOTE—Kits or sets may include empty collecting or holding containers.	

SUBJECT 3

Present Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400	
56789	NOTE—Applies on kits for use in doctors' offices, hospitals, clinics, nursing homes or other medical institutions consisting of a mixture of three or more of the following: expendable medical instruments, expendable medical treatment accessories, or other articles for the care or treatment of the individual; with or without chemicals, drugs or medicines, other than narcotics.	
56795	Kits , X-ray, upper digestive tract analysis, consisting of plastic cup with lid containing six ounces or more of dry barium sulfate compound, with or without drinking straw, in boxes.....	70
56820	Limbs , artificial or prosthetic, in boxes	300
56828*	Medical Supplies, viz.: Bandages or Dressings , NOI; Blankets , emergency first aid for burn victims; Braces or Supports , ankle, knee, joint or leg; Collars , cervical; Compresses , hot or cold, NOI; Pads , lap; Splints , NOI; Sponges , dental, medical or surgical, NOI; Trusses , medical or surgical, or Hernia Belts; In boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
56833	Machines , surgical suturing or stapling, in boxes.....	150
56835	Pads or Swabs , saturated with rubbing alcohol, in moisture-proof inner containers, in boxes.....	70
56837	Processors , blood cell, centrifugal, in Package 2250.....	150
56860	Respirators , mechanical, in boxes or crates	110
56880	Safes , X-ray film, cast iron, in boxes	85
56890	Seals , ostomy, karaya gum and natural gums combined, in boxes	85

*Published in Supplement 4 to NMF 100-AV, effective December 17, 2022.

SUBJECT 3

Present Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400	
56910	☉ Sets , oxygen administration, consisting of oxygen in steel cylinders not over 240 cubic inches capacity, plastic tubing and plastic administering mask, with or without regulators, see Note, item 56911, in boxes.....	70
56911	NOTE—Does not apply on recreational oxygen in handheld canisters or containers. For applicable provisions, see item 86070.	
56920	Stretchers or Litters , ambulance, emergency response, patient transport or hospital:	
Sub 1	Other than wheeled:	
Sub 2	SU, not nested, in packages.....	200
Sub 3	SU, nested, in packages.....	100
Sub 4	KD, in packages.....	85
Sub 5	Wheeled, in boxes, crates or Package 2233.....	175
56940	Sutures , surgical, with or without accompanying wound closure material, other than wound stapling devices, with or without needles, in boxes.....	100
56950	Swabs, Swab Sticks or Swab-type Applicators , consisting of paper, plastic or wood sticks with cotton or synthetic fiber tips, single- or double-tipped, not saturated nor medicated, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8.....	175
Sub 2	8 or greater.....	100
56960	Syringes , administration, expendable, plastic, with or without needles, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
56970	Tape , adhesive, in roll form in inner containers in boxes.....	77.5
56980	Tongue Depressing Blades or Swab Applicators , wood, paper or plastic, in boxes.....	70
57010	Tubes , integrated, blood serum separator, glass, see Note, item 57011, in boxes.....	85

SUBJECT 3

Present Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400	
57011	NOTE—Applies only on tubes with stoppers, less than 1/2 pint capacity, containing plastic inserts, glass particles and silica gel, for laboratory testing of blood.	
57020	Vaporizers , other than electric, with or without medicine, in boxes.....	100
57060	Walkers , tubular metal, wheeled or not wheeled, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
57075	Wheelchairs , other than motor-propelled, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 4	300
Sub 2	4 or greater	125
	VEHICLES, OTHER THAN SELF-PROPELLED: subject to item 188500	
188560	Barrows, Carts, Trucks, Wagons or Wheelbarrows , NOI, hand, in packages, see Note, item 188561, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
188561	NOTE—Not Involved.	

SUBJECT 3

Present Classification Provisions — Concluded

Package 2233

Stretchers may be packed in full overlap half-slotted (FOLHSC) doublewall (DW) corrugated fiberboard boxes with singlewall (SW) corrugated fiberboard covers as follows:

Gross Weight Not Exceeding	United Inches Not Exceeding	Box Body	Box Cover 9 Inch Depth
275 pounds	135	275 pound test	275 pound test
375 pounds	145	500 pound test	275 pound test

Clearance of not less than one inch must be maintained between bottom of stretcher and inside of box.

Package 2250

SHIPPING CONTAINER:

Box—Double cover (DC) corrugated fiberboard box constructed of the following components.

Tube—Full-height doublewall corrugated fiberboard testing 275 pounds.

Tube Liners—Two each full-height doublewall corrugated fiberboard testing 275 pounds.

Cap—Common top and bottom of corrugated fiberboard testing 275 pounds.

Corner Posts—Six L-shaped cornerposts constructed of solid fiberboard testing 275 pounds.

Base—Packed unit must be double strapped in two directions to a pallet type base.

GROSS WEIGHT: Not to exceed 600 pounds.

Package 2376

Wheeled portable ECG analysis machines may be packed as follows:

SHIPPING CONTAINER:

Body—Half-slotted container (HSC) of triplewall corrugated fiberboard testing 1,100 puncture units. When gross weight does not exceed 280 pounds, HSC may be constructed of doublewall corrugated fiberboard testing 1,000 puncture units.

Inner Sleeve—Vertical full height sleeve of doublewall corrugated fiberboard testing 275 pounds having a clearance between itself and inside walls of body of not less than 2 inches maintained by wooden blocks attached to base.

Inner Cap—Unit must be capped with an inner form covering top of unit and extending down sides of sleeve not less than 10 inches. A clearance of not less than 2 inches between sleeve and inner walls of body must be maintained at top by expanded foam plastic pads.

Base—Packed unit must be double strapped in two directions to a pallet type base having skid runners of expanded foam plastic.

GROSS WEIGHT: Must not exceed 350 pounds.

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Proposed Classification Provisions

Item	Description	Class
	CABINETS, OR PARTS NAMED: subject to item 39200	
39270	Cabinets , NOI, with or without wheels, other than furniture, see Note, item 39272, in boxes, crates or Packages 1078 or 2520, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
39272	NOTE—No Change.	
⇒56400	DENTAL, HOSPITAL, MEDICAL OR SURGICAL SUPPLY GROUP: see Note, item 56401	
56401	NOTE—No Change.	
56440	Apparatus , gas or oxygen administering, other than expendable breathing circuits or expendable administration sets, etc.... ⇒Cancel; see item E-NEW	
56445	Apparatus , pulmonary assistance, consisting of portable air compressor and nebulizer with tubing and mouthpiece, etc..... ⇒Cancel; see item E-NEW	
56533	Carts , medication storage and dispensing (Medication Carts) or patient treatment (Treatment Carts), metal or metal and plastic combined, see Note, item 56534, with or without complement of drawers, etc ⇒Cancel; see item 188560	
56534	NOTE—⇒Cancel; no further application.	
56540	Chests , X-ray film, sheet steel, lead lined, etc..... ⇒Cancel; see item 39270	
56550	Commodes, Commode Chairs or Commode Stations , sanitary, with toilet seat or waste pail, etc..... ⇒Cancel; see item B-NEW	
56551	NOTE—⇒Cancel; no further application.	
56555	Concentrators , oxygen, see Note, item 56557, etc ⇒Cancel; see item E-NEW	
56557	NOTE—⇒Cancel; see Note, item G-NEW.	
56560	Containers , blood collecting, glass, less than 1/2 pint capacity, with or without stoppers, empty, see Note, item 56562, etc ⇒Cancel; see item B-NEW	
56562	NOTE—⇒Cancel; no further application.	

SUBJECT 3

Proposed Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL, MEDICAL OR SURGICAL SUPPLY GROUP: subject to item 56400	
56600	Crutches, etc	⇒Cancel; see item D-NEW
56620	Dental Cement, etc	⇒Cancel; see item A-NEW
⇒A-NEW	Dental Cement, Plaster or Compounds, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10	125
Sub 2	10 but less than 15	85
Sub 3	15 but less than 30	70
Sub 4	30 or greater	55
56630	Dental Fountain Bowls or Cuspidors, etc	⇒Cancel; see item B-NEW
56640	Dental Goods, NOI, other than plastic, etc	⇒Cancel; see item B-NEW
⇒B-NEW	Dental, Hospital, Medical or Surgical Apparatus, Instruments, Machines or Supplies, NOI, see Note, item C-NEW, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60

SUBJECT 3

Proposed Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL, MEDICAL OR SURGICAL SUPPLY GROUP: subject to item 56400	
⇒C-NEW	<p>NOTE—Provisions for dental, hospital, medical or surgical apparatus, instruments, machines or supplies include, but are not limited to:</p> <p>Bandages or Dressings, NOI;</p> <p>Blankets, emergency first aid for burn victims;</p> <p>Braces, Collars, Splints or Supports;</p> <p>Clinical Thermometers;</p> <p>Commodes, Commode Chairs or Commode Stations, sanitary;</p> <p>Compresses, hot or cold, NOI;</p> <p>Containers, blood collecting;</p> <p>Dental Units;</p> <p>Dental Fountain Bowls or Cuspidors;</p> <p>Dialyzers, artificial kidney machine;</p> <p>Driers, X-ray film;</p> <p>Droppers, medicine (Eyedroppers), or Medicine Droppers and Bottle Caps combined;</p> <p>Electrodes, patient monitoring or testing instrument or device;</p> <p>Kits or Sets, expendable aspirating, administration or transference;</p> <p>Kits or Sets, patient care, comfort or treatment, consisting of articles for the personal care or comfort of the patient;</p> <p>Limbs, artificial or prosthetic;</p> <p>Medical Treatment Accessories, with or without chemicals, drugs or medicines, other than narcotics;</p> <p>Pads or Sponges, dental, medical or surgical, NOI;</p> <p>Processors, blood cell, centrifugal;</p> <p>Safes, X-ray film;</p> <p>Stretchers or Litters;</p> <p>Surgical Stapling Machines (Staplers) or Suturing Machines;</p> <p>Swabs, Swab Sticks or Swab-type Applicators;</p> <p>Tape, adhesive;</p> <p>Trusses, medical or surgical, or Hernia Belts.</p>	
56660	Dental Impression Compound , etc.....	⇒Cancel; see item A-NEW
56670	Dental Investment Compound or Dental Plaster , etc.....	⇒Cancel; see item A-NEW
56680	Dental, Medical or Surgical Instruments or Machines , etc	⇒Cancel; see item B-NEW
56682	NOTE—⇒Cancel; no further application.	
56695	Dental Units , etc.....	⇒Cancel; see item B-NEW
56705	Dialyzers , artificial kidney machine, plastic, expendable, etc.....	⇒Cancel; see item B-NEW

SUBJECT 3

Proposed Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL, MEDICAL OR SURGICAL SUPPLY GROUP: subject to item 56400	
56720	Driers , X-ray film, steel, etc.....	⇒Cancel; see item B-NEW
56740	Droppers , medicine (Eyedroppers), or Medicine Droppers and Bottle Caps combined , etc	⇒Cancel; see item B-NEW
56750	Electrodes , patient monitoring or testing instrument or device, plastic and metal combined, expendable, etc	⇒Cancel; see item B-NEW
56760	Electro-therapeutic Cabinets or Plates , table or wall, or Electro-therapeutic or Diathermic Instruments or Apparatus , NOI, etc	⇒Cancel; see item B-NEW
56765	Forceps , suture, disposable, steel, etc.....	⇒Cancel; see item B-NEW
56770	Frames , fracture treatment, overhead or lateral, etc.....	⇒Cancel; see item B-NEW
56775	Kits , enema, expendable, consisting of plastic containers, administering apparatus and chemical compounds, etc	⇒Cancel; see item B-NEW
56785	Kits or Sets , patient care, comfort or treatment, etc	⇒Cancel; see item B-NEW
56786	NOTE—⇒Cancel; no further application.	
56787	NOTE—⇒Cancel; no further application.	
56788	NOTE—⇒Cancel; no further application.	
56789	NOTE—⇒Cancel; no further application.	
56795	Kits , X-ray, etc	⇒Cancel; see item B-NEW
56820	Limbs , artificial or prosthetic, etc	⇒Cancel; see item B-NEW
56828	Medical Supplies , etc	⇒Cancel; see item B-NEW
56833	Machines , surgical suturing or stapling, etc	⇒Cancel; see item B-NEW
⇒D-NEW	Mobility Aids , NOI, other than self-propelled, including Crutches, Walkers or Wheelchairs , in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 5	250
Sub 2	5 or greater	150
56835	Pads or Swabs , saturated with rubbing alcohol, etc.....	⇒Cancel; see item B-NEW
56837	Processors , blood cell, centrifugal, etc	⇒Cancel; see Item B-NEW

SUBJECT 3

Proposed Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL, MEDICAL OR SURGICAL SUPPLY GROUP: subject to item 56400	
56860	Respirators , mechanical, etc	⇒Cancel; see item E-NEW
⇒E-NEW	Respiratory Therapy Aids, viz.: Apparatus or Sets , gas or oxygen administration, other than expendable breathing circuits or administration sets, see Note, item F-NEW; Apparatus , pulmonary assistance, consisting of portable air compressor and nebulizer with tubing and mouthpiece; Oxygen Concentrators , see Note, item G-NEW; Respirators , mechanical; Vaporizers , other than electric, with or without medicine; In boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	200
Sub 2	6 but less than 10.....	125
Sub 3	10 or greater.....	85
⇒F-NEW	NOTE—Does not apply on recreational oxygen in handheld canisters or containers. For applicable provisions, see item 86070.	
⇒G-NEW	NOTE—Applies on mechanical devices designed to filter nitrogen and contaminants from ambient air to supply patient with oxygen.	
56880	Safes , X-ray film, cast iron, etc.....	⇒Cancel; see item B-NEW
56890	Seals , ostomy, karaya gum and natural gums combined, etc.....	⇒Cancel; see item B-NEW
56910	Sets , oxygen administration, consisting of oxygen in steel cylinders not over 240 cubic inches capacity, plastic tubing and plastic administering mask, with or without regulators, see Note, item 56911, etc	⇒Cancel; see item E-NEW
56911	NOTE—⇒Cancel; see Note, item F-NEW.	
56920	Stretchers or Litters , ambulance, emergency response, patient transport or hospital, etc	⇒Cancel; see item B-NEW
56940	Sutures , surgical, with or without accompanying wound closure material, other than wound stapling devices, etc.....	⇒Cancel; see item B-NEW
56950	Swabs, Swab Sticks or Swab-type Applicators , consisting of paper, plastic or wood sticks with cotton or synthetic fiber tips, single- or double-tipped, not saturated nor medicated, etc	⇒Cancel; see item B-NEW

SUBJECT 3

Proposed Classification Provisions — Continued

Item	Description	Class
	DENTAL, HOSPITAL, MEDICAL OR SURGICAL SUPPLY GROUP: subject to item 56400	
56960	Syringes , administration, expendable, plastic, with or without needles, etc	⇒Cancel; see item B-NEW
56970	Tape , adhesive, etc	⇒Cancel; see item B-NEW
56980	Tongue Depressing Blades or Swab Applicators , wood, paper or plastic, etc.....	⇒Cancel; see item B-NEW
57010	Tubes , integrated, blood serum separator, glass, see Note, item 57011, etc	⇒Cancel; see item B-NEW
57011	NOTE—⇒Cancel; no further application.	
57020	Vaporizers , other than electric, with or without medicine, etc	⇒Cancel; see item E-NEW
57060	Walkers , tubular metal, wheeled or not wheeled, etc	⇒Cancel; see item D-NEW
57075	Wheelchairs , other than motor-propelled, etc.....	⇒Cancel; see item D-NEW
	VEHICLES, OTHER THAN SELF-PROPELLED: subject to item 188500	
188560	Barrows, Carts, Trucks, Wagons or Wheelbarrows , NOI, hand, in packages, see Note, item 188561, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
188561	NOTE—No Change.	

Package 2233

⇒Cancel; no further application.

SUBJECT 3

Proposed Classification Provisions — Concluded

Package 2250

⇒Cancel; no further application.

Package 2376

⇒Cancel; no further application.

Analysis

Introduction

There are currently four items in the Dental, Hospital or Medical Supply Group—items 56785, 56828, 56960 and 57060, as shown in the Present Classification Provisions herein—that assign the FCDC’s standard 11-subprovision density scale. This creates undue complexity.

There are also numerous other items in the Dental, Hospital or Medical Supply Group that name specific dental, hospital, medical or surgical apparatus, instruments, machines or supplies, and these provisions can be difficult to interpret, apply or verify. While many of the involved commodities exhibit a wide range of densities, other commodities such as dental cement, plaster or compounds, as named in items 56620, 56660 and 56670, mobility aids, as named in items 56600, 57060 and 57075, and respiratory therapy aids, as named in items 56440, 56445, 56555, 56860, 56910 and 57020, exhibit narrower density distributions. The transportation characteristics below relate to the items shown in the Present Classification Provisions herein.

Transportation Characteristics

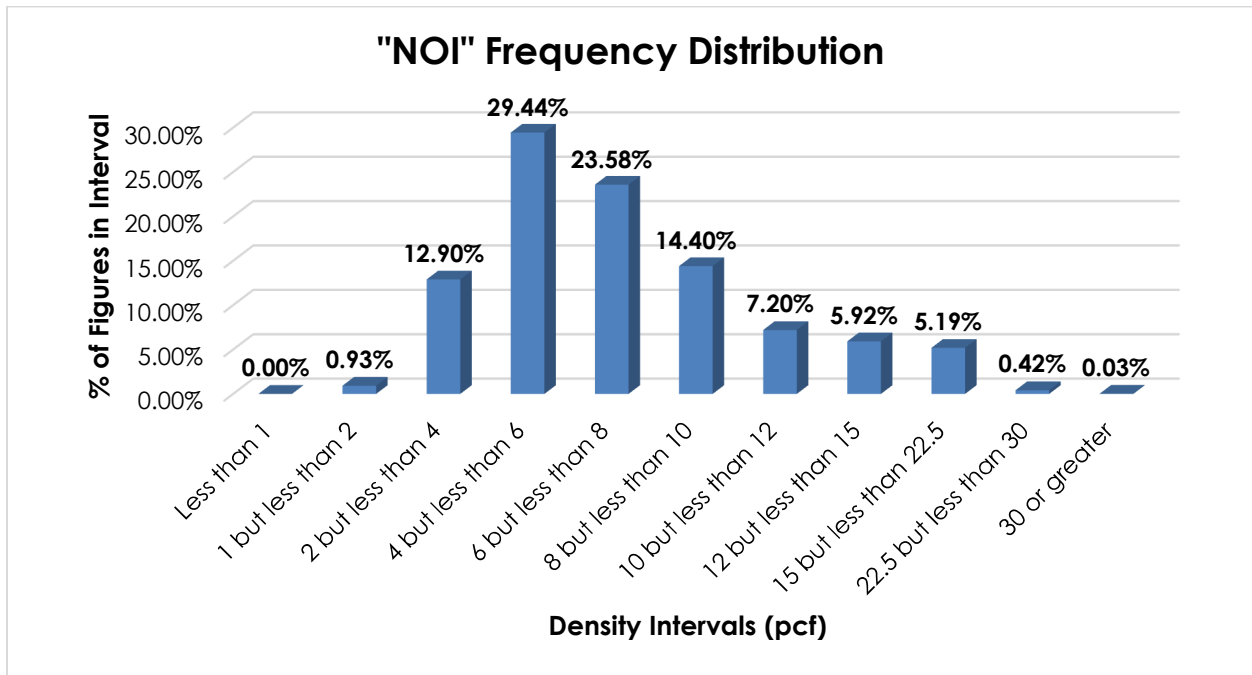
Density—The information of record includes 173,452 density observations obtained from the FCDC’s Density Study¹. The densities range from 1.01 to 71.65 pcf, with an overall average density of 7.59 pcf.

The graphs and the tables on the following pages show the frequency distributions, density ranges, averages and concentrations of density observations for the proposed provisions.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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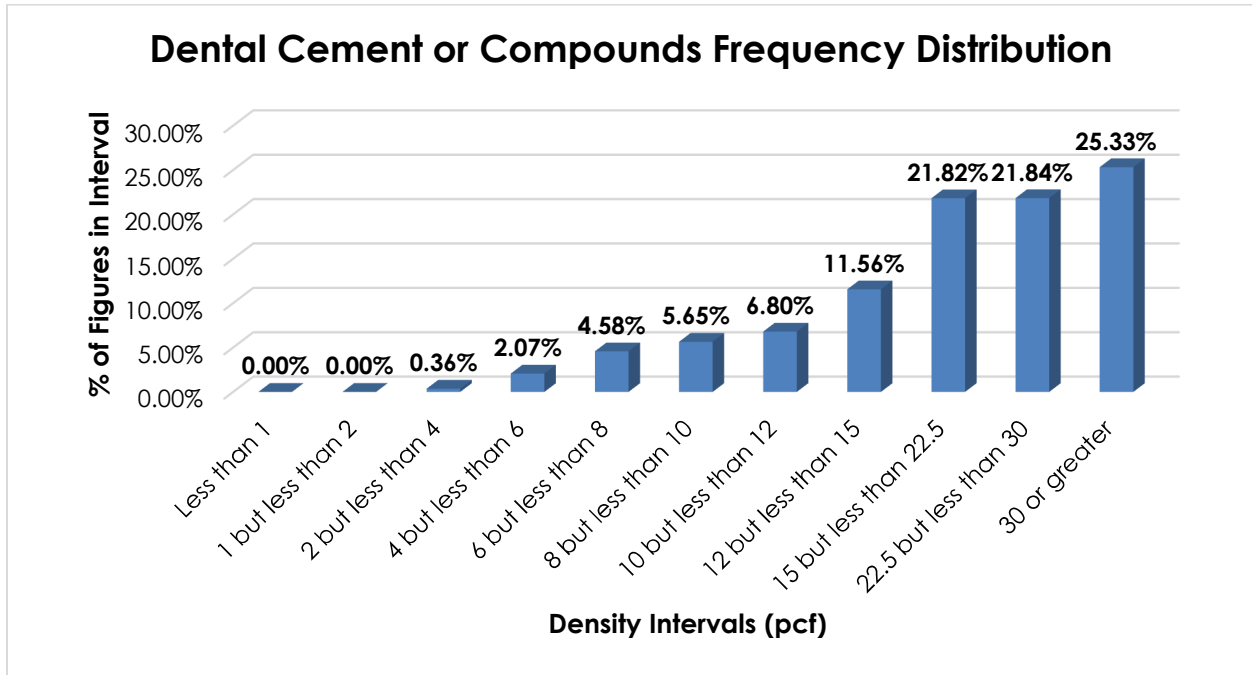
The information of record on commodities moving under items 56533, 56540, 56550, 56560, 56630, 56640, 56680, 56695, 56705, 56720, 56740, 56750, 56760, 56765, 56770, 56775, 56785, 56795, 56820, 56828, 56833, 56835, 56837, 56880, 56890, 56920, 56940, 56950, 56960, 56970, 56980 and 57010 includes 139,293 density observations. The densities range from 1.01 to 50.00 pcf, with an overall average density of 7.43 pcf. As shown in the graph below, the densities are widely distributed throughout most of the range.



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SUBJECT 3

The information of record on commodities moving under items 56620, 56660 and 56670 includes 5,224 density observations. The densities range from 2.29 to 71.65 pcf, with an overall average density of 22.14 pcf. As shown in the graph below, the density distribution is skewed left, with approximately 69% of the figures 15 pcf or greater. Density breaks at 10, 15 and 30 pcf reflect the modality and distribution of figures.

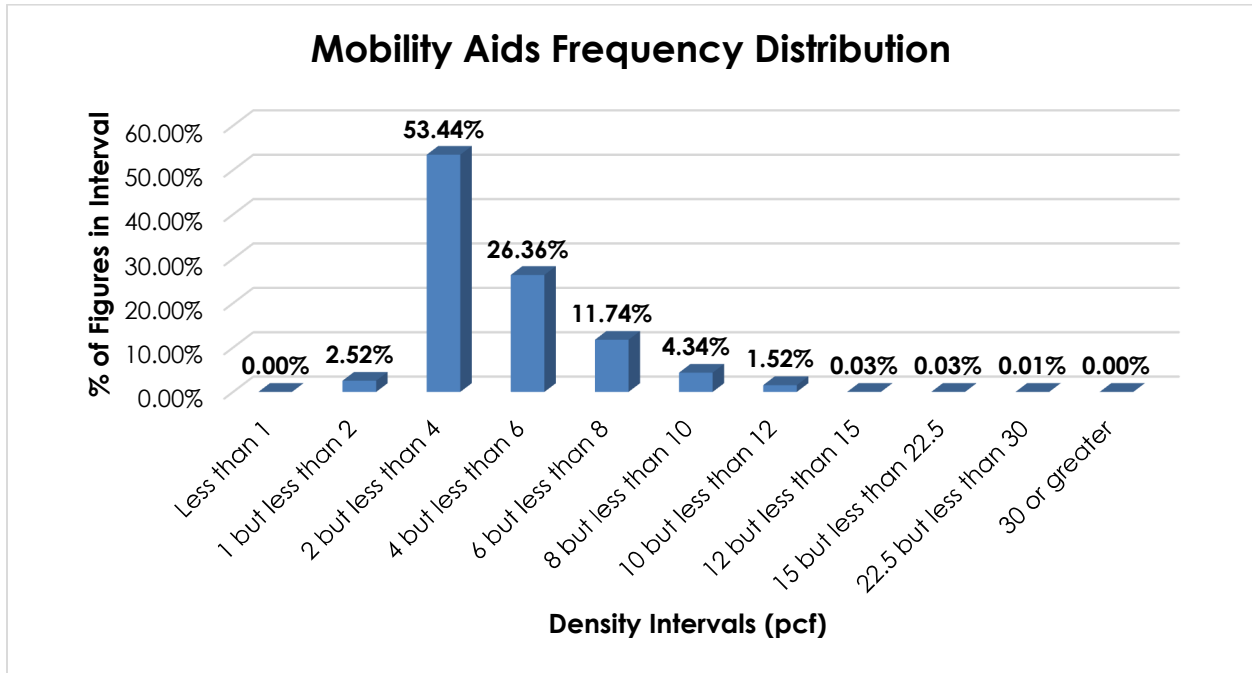


When the data is evaluated based on the proposed density breaks at 10, 15 and 30 pcf, the density ranges and averages shown in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 10	2.29 – 9.99	7.55
10 but less than 15	10.00 – 14.98	12.51
15 but less than 30	15.00 – 29.99	22.21
30 or greater	30.00 – 71.65	36.29

SUBJECT 3

The information of record on commodities moving under items 56600, 57060 and 57075 includes 23,640 density observations. The densities range from 1.04 to 25.20 pcf, with an overall average density of 4.32 pcf. As shown in the graph below, the distribution is clustered around the average density, but the average density is not reflected in the predominant peak. A density break at 5 pcf more closely represents the modality and distribution of the figures.

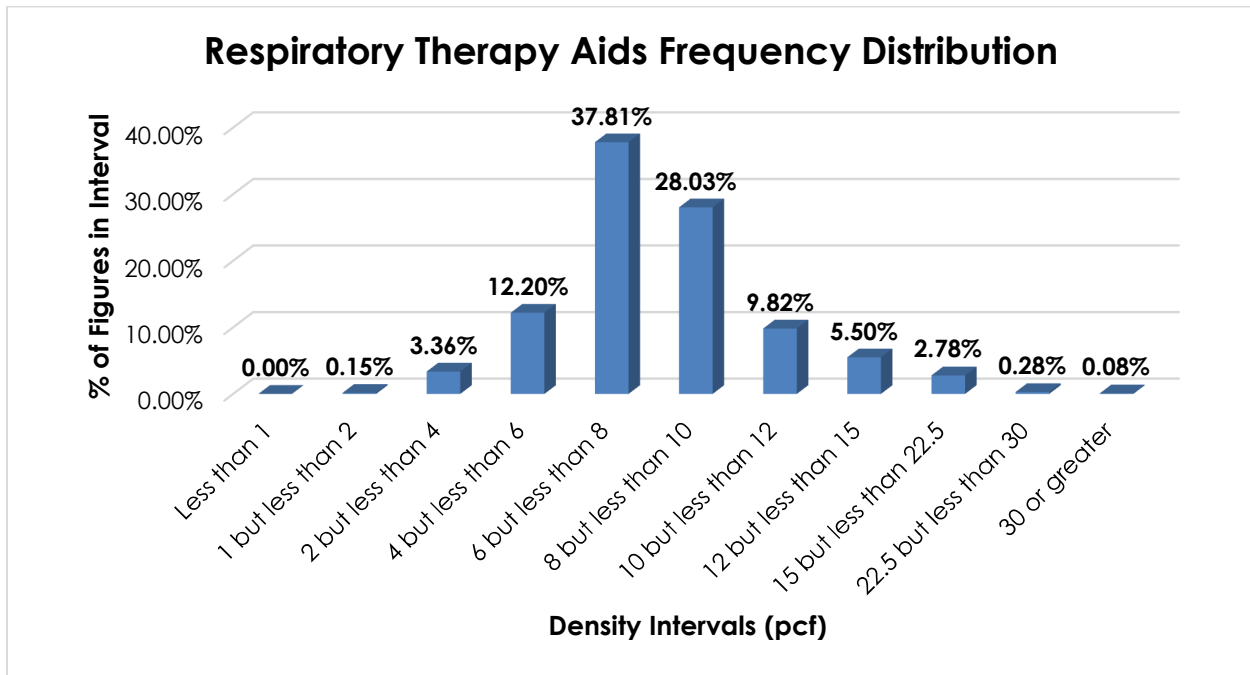


When the data is evaluated based on the proposed density break at 5 pcf, the density ranges and averages shown in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 5	1.04 – 4.99	3.31
5 or greater	5.00 – 25.20	6.85

SUBJECT 3

The information of record on commodities moving under items 56440, 56445, 56555, 56860, 56910 and 57020 includes 5,295 density observations. The densities range from 1.07 to 45.10 pcf, with an overall average density of 8.23 pcf. As shown in the graph below, most of the figures are clustered between 4 and 12 pcf, but the average density is not reflected in the predominant peak. Density breaks at 6 and 10 pcf more closely represent the modality and distribution of the data.



When the data is evaluated based on the proposed density breaks at 6 and 10 pcf, the density ranges and averages shown in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 6	1.07 – 5.99	4.68
6 but less than 10	6.00 – 9.99	7.80
10 or greater	10.00 – 45.10	12.81

Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

Conclusion

Based on the foregoing analysis, it is proposed to cancel items 56533, 56540, 56550, 56560, 56630, 56640, 56680, 56695, 56705, 56720, 56740, 56750, 56760, 56765, 56770, 56775, 56785, 56795, 56820, 56828, 56833, 56835, 56837, 56880, 56890, 56920, 56940, 56950, 56960, 56970, 56980 and 57010 with reference to a new item, naming “Dental, Hospital, Medical or Surgical Apparatus, Instruments, Machines or Supplies, NOI,” with classes predicated on the

SUBJECT 3

FCDC’s standard 11-subprovision density scale². Item 56533 would be canceled with reference to 188560, and item 56540 would be canceled with reference to item 39270.

It is proposed to cancel items 56620, 56660 and 56670, with reference to a new item, naming “Dental Cement, Plaster or Compounds,” with classes predicated on density breaks at 10, 15 and 30 pcf³, as shown in the table below.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 10	7.55	7	125
10 but less than 15	12.51	12	85
15 but less than 30	22.21	15	70
30 or greater	36.29	35	55

It is proposed to cancel items 56600, 57060 and 57075, with reference to a new item, naming “Mobility Aids, NOI, other than self-propelled, including Crutches, Walkers or Wheelchairs,” with classes predicated on a density break at 5 pcf³, as shown in the table below.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 5	3.31	3	250
5 or greater	6.85	6	150

It is proposed to cancel items 56440, 56445, 56555, 56860, 56910 and 57020, with reference to a new “viz.” item for “Respiratory Therapy Aids,” with classes predicated on density breaks at 6 and 10 pcf³, as shown in the table below.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 6	4.68	4	200
6 but less than 10	7.80	7	125
10 or greater	12.81	12	85

Other changes are proposed in the interest of clarification, simplification and uniformity.

Additionally, on the recommendation of the FCDC’s Packaging Manager, Packages 2233, 2250 and 2376 would be canceled with no further application.

² The FCDC’s standard 11-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.

³ The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 4

Re: Cabinets, or Parts Named

Contact: Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
39200	CABINETS, OR PARTS NAMED:	
39210	Air Conditioning , metal or wood, or metal and wood combined, without air conditioning equipment:	
Sub 1	SU, in boxes, crates or Package 1078	110
Sub 2	KD, in boxes or crates	85
39230	Cabinets , bathroom medicine or toilet, other than plastic, see Note, item 39232, with or without integral lighting fixtures, in boxes or Packages 1F, 3F or 5F	175
39232	NOTE—Applies only on cabinets designed to be hung from or recessed in upper walls.	
39235	Cabinets , hardware or small parts storage, other than furniture, metal or metal with plastic components, with plastic drawers, in boxes.....	92.5
39237	Cabinets , lock key storage or control, wall mounting, 18 gauge or thicker steel, see Note, item 39238, in boxes	77.5
39238	NOTE—Also applies on complement of accessories, such as key tags, key receipt tags, key loan registers, key collection envelopes or index cards or forms, when shipped within the cabinets.	
39240	Cabinets , outdoor household utility storage, steel, KD in panels, with or without fiberboard wallboard panels for hanging fixtures, in boxes	77.5
39245	Cabinets , radio, phonograph, tape player or recorder, television, amplifier or loudspeaker, NOI, separate or combined, without mechanism or electrical apparatus, see Note, item 39247:	
Sub 1	SU:	
Sub 2	Box type or portable, in Packages 3F, 5F, 25F, 829 or 1078	150
Sub 3	Console, in Packages 1F, 2F, 3F, 5F, 829 or 1078	200
Sub 4	KD, in Packages 1F, 3F or 5F.....	85
39247*	NOTE—The terms of paragraphs (c) and (d) of Note, item 79022 need not be complied with.	
39250	Cabinets , with pumps, grease guns or hose, with or without detached background or side panels, in boxes or crates	100

*Published in Supplement 4 to NMF 100-AV, effective December 17, 2022.

SUBJECT 4

Present Classification Provisions — Continued

Item	Description	Class
	CABINETS, OR PARTS NAMED: subject to item 39200	
39270	Cabinets , NOI, with or without wheels, other than furniture, see Note, item 39272, in boxes, crates or Packages 1078 or 2520, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
39272	NOTE—Provisions also apply on cabinets equipped with interior electric heaters.	
39280	Cabinets or Enclosures , piping system protection, including the Hot Box® , see Note, item 39281, aluminum or fiberglass (glass-fiber reinforced plastic), insulated, with or without internal heaters:	
Sub 1	SU; not nested, in boxes; or nested, in packages	250
Sub 2	KD, in packages	110
	Hot Box® is a registered trade name of Northeast Florida Enterprises, Inc.	
39281	NOTE—Applies on cabinets or enclosures to protect exposed (above-ground) components or sections of underground piping systems, such as backflow prevention assemblies, pumps, meters or control valves.	
39300	Compressed-Gas Cylinder , iron or steel, with or without regulators, in packages:	
Sub 1	SU	175
Sub 2	KD.....	85
39315	Computer Component Security , lockable, metal, with or without components of other materials, in boxes	150
39320	Door or Wall Insert , milk or package receiver:	
Sub 1	With cast iron doors and frames, in boxes or crates.....	77.5
Sub 2	Other than with cast iron doors and frames, in boxes or crates.....	92.5
39330	Fire Hose or Fire Extinguisher Storage , separate or combined, with or without glass, in boxes or crates	150
39342	Loudspeaker , wood particleboard, with or without facings of plastic or wood, SU, box type or portable, without mechanism or electrical apparatus, having a density of 15 pounds or greater per cubic foot, see Note, item 39345, in Packages 3F, 5F, 25F, 829 or 1078.....	70

SUBJECT 4

Present Classification Provisions — Concluded

Item	Description	Class
	CABINETS, OR PARTS NAMED: subject to item 39200	
39345	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, charges will initially be assessed under the provisions of item 39245, naming 'Cabinets, loudspeaker, NOI.' Upon satisfactory proof of actual density, freight charges will be adjusted accordingly.	
39350	Loudspeaker , wooden, KD, not further finished than primed, without fittings or electrical connections, see Note, item 39352, in boxes or crates.....	70
39352	NOTE—Tops may be of plastic-faced wood.	
39370	Parts , cabinet, radio, phonograph, television, loudspeaker, or tape player or recorder, fiberboard, wallboard or hardboard, separate or combined with cloth, see Note, item 39372, in boxes.....	70
39372	NOTE—Parts may be equipped with wood reinforcement, screws or bolts, providing they project less than 3/4 of an inch.	
39390	Postal Meter , iron, with or without electric motors, in boxes or crates.....	85
39400	Poultry Chilling, Picking or Scalding , separate or combined, SU, with or without motors, in boxes or crates.....	100

Package 2520

SHIPPING CONTAINER: Electronic enclosure cabinet, frame or rack must be wrapped in an inner plastic-film bag, strapped securely to wooden pallet, protected by fiberboard top corner pads, a fiberboard sleeve and top cap.

Inner Packaging—Article must be covered by a plastic-film bag and banded to pallet. Fiberboard pads must be held in place at top corners.

Body—The bottom section must be made of a fiberboard sleeve testing not less than 350 pounds held in place to a wooden base. The top section must consist of a half-slotted container (HSC) testing not less than 350 pounds and must overlap bottom section not less than four inches.

Base—A wooden pallet of sound construction.

GROSS WEIGHT: Not to exceed 350 pounds.

Proposed Classification Provisions

Item	Description	Class
39200	CABINETS, OR PARTS NAMED:	⇒Cancel; no further application
39210	Air Conditioning , metal or wood, or metal and wood combined, without air conditioning equipment, etc.....	⇒Cancel; see item A-NEW

SUBJECT 4

Proposed Classification Provisions — Continued

Item	Description	Class
	CABINETS, OR PARTS NAMED: subject to item 39200	
39230	Cabinets , bathroom medicine or toilet, other than plastic, see Note, item 39232, with or without integral lighting fixtures, etc.....	⇒Cancel; see item A-NEW
39232	NOTE—⇒Cancel; no further application.	
39235	Cabinets , hardware or small parts storage, other than furniture, metal or metal with plastic components, with plastic drawers, etc	⇒Cancel; see item A-NEW
39237	Cabinets , lock key storage or control, wall mounting, 18 gauge or thicker steel, etc.....	⇒Cancel; see item A-NEW
39238	NOTE—⇒Cancel; no further application.	
39240	Cabinets , outdoor household utility storage, steel, KD in panels, with or without fiberboard wallboard panels for hanging fixtures, etc	⇒Cancel; see item A-NEW
39245	Cabinets , radio, phonograph, tape player or recorder, television, amplifier or loudspeaker, NOI, separate or combined, without mechanism or electrical apparatus, etc	⇒Cancel; see item A-NEW
39247	NOTE—⇒Cancel; no further application.	
39250	Cabinets , with pumps, grease guns or hose, with or without detached background or side panels, etc.....	⇒Cancel; believed to be obsolete
39270	Cabinets , NOI, with or without wheels, other than furniture, etc	⇒Cancel; see item A-NEW
39272	NOTE—⇒Cancel; see Note, item B-NEW.	
39280	Cabinets or Enclosures , piping system protection, including the Hot Box® , see Note, item 39281, aluminum or fiberglass (glass-fiber reinforced plastic), insulated, with or without internal heaters, etc	⇒Cancel; see item A-NEW
39281	NOTE—⇒Cancel; see Note, item C-NEW.	
39300	Compressed-Gas Cylinder , iron or steel, with or without regulators, etc.....	⇒Cancel; see item A-NEW
39315	Computer Component Security , lockable, metal, with or without components of other materials, etc	⇒Cancel; see item A-NEW

SUBJECT 4

Proposed Classification Provisions — Continued

Item	Description	Class
39320	CABINETS, OR PARTS NAMED: subject to item 39200 Door or Wall Insert, milk or package receiver, etc	⇒Cancel; see item A-NEW
39330	Fire Hose or Fire Extinguisher Storage, separate or combined, with or without glass, etc.....	⇒Cancel; see item A-NEW
39342	Loudspeaker, wood particleboard, with or without facings of plastic or wood, SU, box type or portable, without mechanism or electrical apparatus, having a density of 15 pounds or greater per cubic foot, etc	⇒Cancel; believed to be obsolete
39345	NOTE—⇒Cancel; no further application	
39350	Loudspeaker, wooden, KD, not further finished than primed, without fittings or electrical connections, etc	⇒Cancel; believed to be obsolete
39352	NOTE—⇒Cancel; no further application.	
39370	Parts, cabinet, radio, phonograph, television, loudspeaker, or tape player or recorder, fiberboard, wallboard or hardboard, separate or combined with cloth, etc	⇒Cancel; believed to be obsolete
39372	NOTE—⇒Cancel; no further application.	
39390	Postal Meter, iron, with or without electric motors, etc	⇒Cancel; believed to be obsolete
39400	Poultry Chilling, Picking or Scalding, separate or combined, SU, with or without motors, etc	⇒Cancel; see item A-NEW

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SUBJECT 4

Proposed Classification Provisions — Concluded

Item	Description	Class
⇒A-NEW	<p>Cabinets, with or without wheels, other than furniture, viz.: Bathroom Medicine or Toilet Cabinets; Cabinets, NOI, see Note, item B-NEW; Compressed-Gas Cylinder Cabinets; Computer Component Security Cabinets; Fire Hose or Fire Extinguisher Cabinets; Piping System Protection Cabinets or Enclosures, including the Hot Box®, see Note, item C-NEW: In boxes, crates or Package 1078, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60

Hot Box® is a registered trade name of Northeast Florida Enterprises, Inc.

⇒B-NEW NOTE—Also applies on cabinets equipped with interior electric heaters.

⇒C-NEW NOTE—Applies on cabinets or enclosures to protect exposed (above-ground) components or sections of underground piping systems, such as backflow prevention assemblies, pumps, meters or control valves.

Package 2520

⇒Cancel; no further application.

Analysis

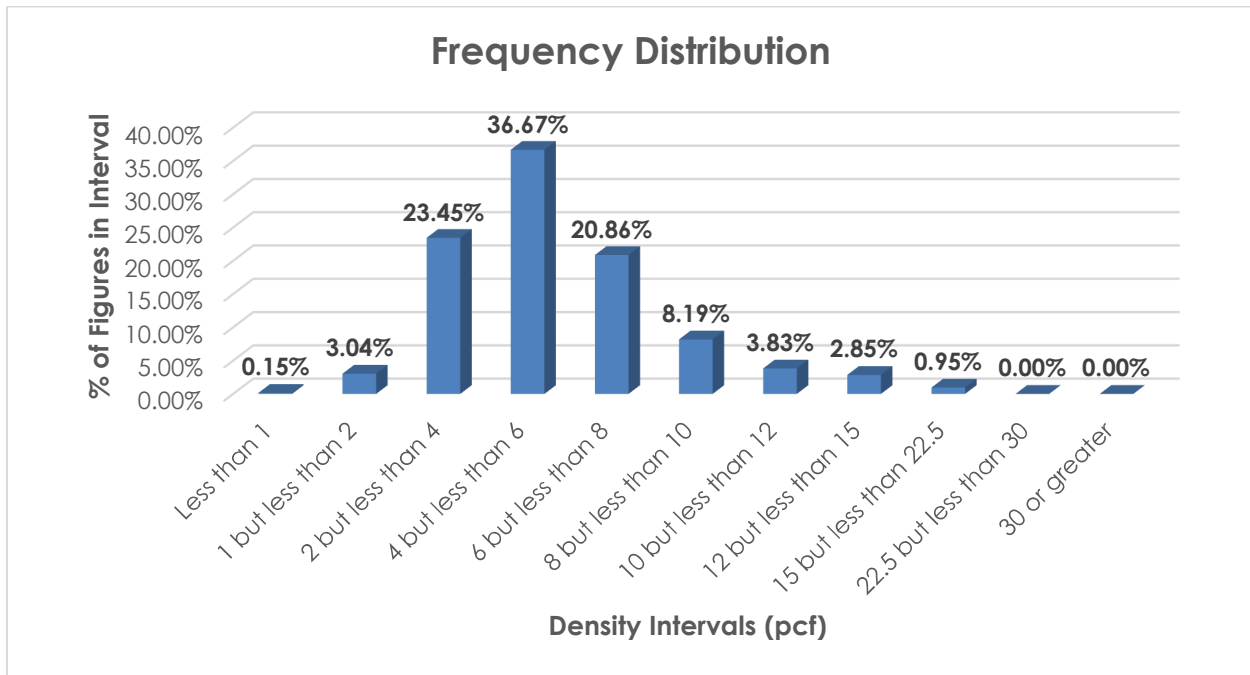
Introduction

There are numerous items subject to the Cabinets, or Parts Named generic heading, item 39200, that name particular types of cabinets or cabinet parts, which can be difficult to interpret, apply or verify, and several appear to be obsolete. The following transportation characteristics relate to items 39210, 39230, 39235, 39237, 39240, 39245, 39280, 39300, 39315, 39320, 39330 and 39400, as shown in the Present Classification Provisions herein.

SUBJECT 4

Transportation Characteristics

Density—The information of record includes 22,435 density observations obtained from the FCDC’s Density Study¹. The densities range from 0.20 to 16.68 pcf, with an overall average density of 5.68 pcf. As shown in the graph below, the density distribution is right-skewed, with the majority of the figures concentrated between 2 and 8 pcf.



Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

Conclusion

Based on the foregoing analysis, items 39210, 39230, 39235, 39237, 39240, 39245, 39270, 39280, 39300, 39315, 39320, 39330 and 39400 would be canceled with reference to a new item, naming “Cabinets, with or without wheels, other than furniture,” which would have a “viz.” format and provide the FCDC’s standard 11-subprovision density scale². While the density distribution shown herein does not indicate a uniform distribution of densities throughout the range, these proposed changes would foster clarification and simplification. Items 39250, 39342, 39350, 39370 and 39390 would be canceled as obsolete, again in the interest of clarification and simplification.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

² The FCDC’s standard 11-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 4

Notes, items 39272 and 39281 would be canceled and reestablished as attendant Notes to the new item. Numerous Notes would be canceled as having no further application. Also, the generic heading, item 39200, would be canceled with no further application.

The FCDC's Packaging Manager has reviewed the proposed minimum packaging requirements, i.e. "in boxes, crates or Package 1078," and determined that they are appropriate for the LTL environment. Additionally, Package 2520 would be canceled with no further application.

SUBJECT 5

Re: Pipe or Tubing, or Pipe or Tubing Fittings, metal

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
51120	Finned Pipe or Tubing , in packages:	
Sub 1	Steel pipe or tubing with sheet metal fins.....	60
Sub 2	Brass, bronze or copper pipe or tubing with sheet metal fins.....	85
Sub 3	Metal, NOI, with sheet metal fins.....	100
51220	Pipe , iron or steel, covered or lined with:	
	Cement Mortar;	
	Composition , other than plastic;	
	Enamel;	
	Lead;	
	Plastic or Rubber , other than cellular, expanded or foam plastic or rubber, or sponge rubber;	
	Porcelain;	
	Tin;	
	Wood;	
Sub 1	In boxes or crates.....	50
Sub 2	Secured to lift truck skids or pallets, or in bundles	77.5
Sub 3	Loose.....	100
51280	Pipe , lead, plain or wire covered, in packages.....	60
51290	Pipe , sewer or drain, without couplings or fittings attached, or Sewer or Drain Pipe Fittings , see Note, item 51292, mineral and resin composition combined, see Note, item 51294, loose or in packages..	77.5
51292	NOTE—Shipments of sewer or drain pipe fittings must be made in packages.	
51294	NOTE—Resin composition content of the pipe or fittings must not exceed 20 percent by weight.	
51320	Pipe , surface irrigation, steel, 24 gauge or thicker, not over 12 inches in diameter	85
51410	Pipe Fittings , magnesium or magnesium alloy, with or without covering or lining of brass, copper or steel, in boxes, crates or drums.....	100
51420	Pipe Fittings , NOI, see Note, item 51432:	
51432	NOTE—Will apply on gaskets or washers not in excess of the equipment for pipe fittings which they accompany.	
51450	Cupro-nickel or nickel-copper, plated or not plated, in boxes or drums ...	77.5
51540	Lead, in packages.....	60
51550	Nickel-plated, in boxes or drums.....	77.5
51560	Silver-plated, in boxes or drums.....	100

SUBJECT 5

Present Classification Provisions — Continued

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
51900	Pipe or Tubing , brass, bronze or copper, insulated or jacketed with cellular, expanded or foam plastic or rubber, combined or not combined with other materials, see Notes, items 51901 and 51902, in coils, in boxes .175	
51901	NOTE—Applies on insulated or jacketed pipe or tubing used in air conditioning, refrigeration or similar applications.	
51902	NOTE—Also applies on Line Sets consisting of two lengths of coiled brass, bronze or copper pipe or tubing, one or both lengths insulated or jacketed, with or without fittings, charged or not charged with nitrogen or refrigerant gas.	
51920	Pipe or Tubing , cupro-nickel, in boxes, crates or drums.....	60
52110	Pipe or Tubing , magnesium or magnesium alloy, with or without covering or lining of brass, copper or steel, in packages.....	92.5
52130	Pipe or Tubing; nickel or nickel-copper; or nickel-iron-chromium alloy, see Note, item 52132; in packages.....	85
52132	NOTE—Applies only on pipe or tubing made of nickel-iron-chromium alloy containing 50 percent or more of nonferrous metals.	
52135	Pipe or Tubing , nickel-silver, in boxes, crates or drums, or on reels.....	60
52175	Pipe, Tubing, or Pipe or Tubing Fittings , aluminum, combined or not combined with other materials, NOI, in packages:	
Sub 1	Greatest dimension exceeding 288 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 15	250
Sub 3	15 or greater.....	100
Sub 4	Greatest dimension exceeding 192 inches but not exceeding 288 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 15	200
Sub 6	15 or greater.....	92.5
Sub 7	Greatest dimension exceeding 96 inches but not exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 8	Less than 15	125
Sub 9	15 or greater.....	77.5
Sub 10	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 11	Less than 15	110
Sub 12	15 or greater.....	65

SUBJECT 5

Present Classification Provisions — Concluded

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
52185	Pipe, Tubing, or Pipe or Tubing Fittings , brass, bronze or copper, combined or not combined with other materials, NOI, in packages:	
Sub 1	Greatest dimension exceeding 192 inches.....	100
Sub 2	Greatest dimension exceeding 96 inches but not exceeding 192 inches.....	85
Sub 3	Greatest dimension not exceeding 96 inches	70
52190	Pipe, Tubing, or Pipe or Tubing Fittings , iron or steel, combined or not combined with other materials, NOI, loose or in packages or Package 2130:	
Sub 1	Greatest dimension exceeding 288 inches.....	100
Sub 2	Greatest dimension exceeding 192 inches but not exceeding 288 inches.....	85
Sub 3	Greatest dimension exceeding 96 inches but not exceeding 192 inches	70
Sub 4	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 30	70
Sub 6	30 or greater.....	50

Proposed Classification Provisions

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
51120	Finned Pipe or Tubing , etc	⇒Cancel; see item A-NEW
51220	Pipe , iron or steel, covered or lined with: Cement Mortar; Composition , other than plastic; Enamel; Lead; Plastic or Rubber , other than cellular, expanded or foam plastic or rubber, or sponge rubber; Porcelain; Tin; Wood; etc.....	⇒Cancel; see item A-NEW
51280	Pipe , lead, plain or wire covered, etc	⇒Cancel; see item A-NEW
51290	Pipe , sewer or drain, without couplings or fittings attached, or Sewer or Drain Pipe Fittings , etc.....	⇒Cancel; see item A-NEW
51292	NOTE—⇒Cancel; no further application.	
51294	NOTE—⇒Cancel; no further application.	

SUBJECT 5

Proposed Classification Provisions — Continued

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
51320	Pipe , surface irrigation, steel, etc	⇒Cancel; see item A-NEW
51410	Pipe Fittings , magnesium or magnesium alloy, etc	⇒Cancel; see item A-NEW
51420	Pipe Fittings , NOI, etc	⇒Cancel; see item A-NEW
51432	NOTE—⇒Cancel; no further application.	
51450	Cupro-nickel or nickel-copper, plated or not plated, etc	⇒Cancel; see item A-NEW
51540	Lead, etc	⇒Cancel; see item A-NEW
51550	Nickel-plated, etc.....	⇒Cancel; see item A-NEW
51560	Silver-plated, etc.....	⇒Cancel; see item A-NEW
51900	Pipe or Tubing , brass, bronze or copper, insulated or jacketed with cellular, expanded or foam plastic or rubber, etc	⇒Cancel; see item A-NEW
51901	NOTE—⇒Cancel; no further application.	
51902	NOTE—⇒Cancel; see item B-NEW.	
51920	Pipe or Tubing , cupro-nickel, etc	⇒Cancel; see item A-NEW
52110	Pipe or Tubing , magnesium or magnesium alloy, etc	⇒Cancel; see item A-NEW
52130	Pipe or Tubing ; nickel or nickel-copper; or nickel-iron-chromium alloy, etc.....	⇒Cancel; see item A-NEW
52132	NOTE—⇒Cancel; no further application.	
52135	Pipe or Tubing , nickel-silver, etc	⇒Cancel; see item A-NEW
52175	Pipe, Tubing, or Pipe or Tubing Fittings , aluminum, etc	⇒Cancel; see item A-NEW
52185	Pipe, Tubing, or Pipe or Tubing Fittings , brass, bronze or copper, etc.....	⇒Cancel; see item A-NEW
52190	Pipe, Tubing, or Pipe or Tubing Fittings , iron or steel, etc.....	⇒Cancel; see item A-NEW

SUBJECT 5

Proposed Classification Provisions — Concluded

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
⇒A-NEW	Pipe, Tubing, or Pipe or Tubing Fittings , metal, combined or not combined with other materials, NOI, see Note, item B-NEW, in packages or Package 2130:	
Sub 1	Greatest dimension exceeding 288 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 15	250
Sub 3	15 but less than 22.5.....	125
Sub 4	22.5 but less than 30.....	110
Sub 5	30 or greater.....	92.5
Sub 6	Greatest dimension exceeding 192 inches but not exceeding 288 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 15	175
Sub 8	15 but less than 22.5.....	100
Sub 9	22.5 but less than 30.....	92.5
Sub 10	30 or greater.....	77.5
Sub 11	Greatest dimension exceeding 96 inches but not exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 12	Less than 15	125
Sub 13	15 but less than 22.5.....	85
Sub 14	22.5 but less than 30.....	77.5
Sub 15	30 or greater.....	65
Sub 16	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 17	Less than 15	100
Sub 18	15 but less than 22.5.....	70
Sub 19	22.5 but less than 30.....	65
Sub 20	30 or greater.....	55
⇒B-NEW	NOTE—Also applies on Line Sets consisting of two lengths of coiled brass, bronze or copper pipe or tubing, one or both lengths insulated or jacketed, with or without fittings, charged or not charged with nitrogen or refrigerant gas.	

SUBJECT 5

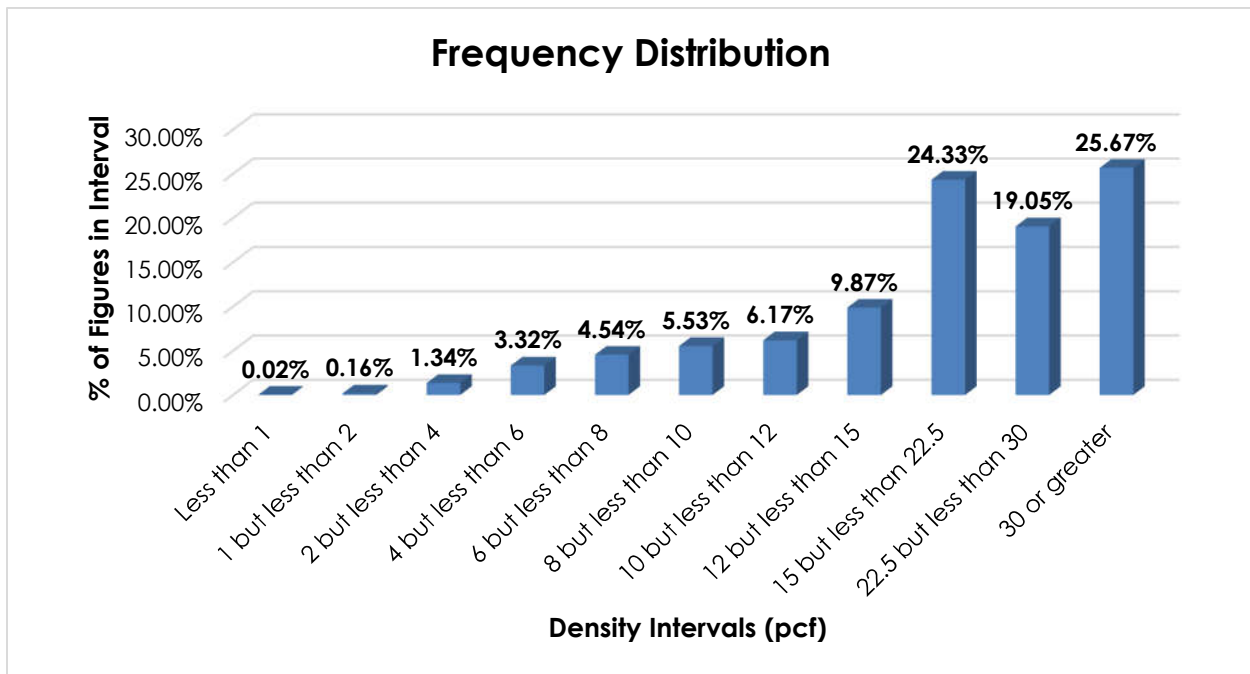
Analysis

Introduction

There are numerous items in the Conduits, Other than Earthen, Group that name particular types of metal pipe or tubing, or pipe or tubing fittings, and these provisions can be difficult to interpret, apply or verify. The transportation characteristics below relate to items 51120, 51220, 51280, 51290, 51320, 51410, 51420, 51450, 51540, 51550, 51560, 51900, 51920, 52110, 52130, 52135, 52175, 52185 and 52190, as shown in the Present Classification Provisions herein.

Transportation Characteristics

Density—The information of record includes 241,911 density observations obtained from the FCDC’s Density Study¹. The densities range from 0.42 to 85.35 pcf, with an overall average density of 24.09 pcf. As shown in the graph below, the density distribution is left-skewed, with just over 69% of the figures 15 pcf or greater.



When the data is evaluated based on the proposed density breaks at 15, 22.5 and 30 pcf, the density ranges and averages shown in the table on the following page emerge.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 5

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 15	0.42 – 14.99	9.82
15 but less than 22.5	15.00 – 22.49	18.63
22.5 but less than 30	22.50 – 29.99	26.04
30 or greater	30.00 – 85.35	45.04

Handling—Pipe, tubing and fittings vary greatly in size, with reported lengths² up to 324 inches (27 feet). As the length increases, the handling into and out of the vehicle becomes considerably more difficult, and certain equipment, or additional personnel, may be necessary to safely handle long shipments. Furthermore, as the length increases, cross-dock operations can be significantly affected. Often there is not enough room at carrier facilities to safely or easily handle and maneuver excessively long pipe or tubing.

When secured to a lift truck skid or pallet the freight may be handled more readily with mechanical equipment since there is clearance for the fork tines to get under and lift them. However, when the length exceeds 96 inches, even palletized shipments can be difficult to safely handle with mechanical equipment. The level of difficulty increases as the length of the article increases, even if fork extensions are available and used. Pipe or tubing tendered in bundles require extra care and attention during handling, as there is often no clearance under the bundle for fork tines.



Stowability—Fittings and shorter lengths of pipe or tubing may be tendered in boxes, often unitized on lift truck skids or pallets, while longer pieces may be tendered in boxes, bundles or crates. When tendered in boxes or crates the shipments generally provide a flat load-bearing surface.

Excessively long pipe or tubing tendered in boxes, bundles or crates may be difficult to stow with other general freight and will typically require floor loading. When floor loaded, it may be difficult to stow adjacent freight, and those tendered in bundles do not provide a flat load-bearing surface, which reduces or complicates the carrier's ability to load freight on top and maximize vehicle utilization. Depending on the length of the handling unit, the carrier will have to ensure that the freight will fit in the vehicle.

Liability—Pipe, tubing or fittings may damage other freight if not stowed properly within the vehicle and may be at risk for some damage from handling, particularly when the length exceeds 96 inches. In this regard, Note, item 50752, which is referenced by the generic heading, item 50750, provides specific packaging requirements for pipe, tubing and fittings having surfaces or ends liable to damage.

² While the proposed provisions are based on greatest dimension, the information of record shows that the largest dimension for most handling units of pipe or tubing is the length.

SUBJECT 5

Conclusion

Based on the foregoing analysis, items 51120, 51220, 51280, 51290, 51320, 51410, 51420, 51450, 51540, 51550, 51560, 51900, 51920, 52110, 52130, 52135, 52175, 52185 and 52190 would be canceled with reference to a new item, naming “Pipe, Tubing, or Pipe or Tubing Fittings, metal, combined or not combined with other materials, NOI.” As proposed, the new item would have classes predicated on greatest dimension and density³. Due to the identified negative handling, stowability and liability characteristics, this proposal would assign classes higher than those called for under FCDC’s density guidelines as greatest dimension increases. The table below shows the associated average densities for each density group and respective proposed classes based on greatest dimension.

Density Group (pcf)	Average Density (pcf)	Class When Greatest Dimension Does Not Exceed 96”	Class Adjustment When Greatest Dimension Exceeds 96” But Does Not Exceed 192”	Class Adjustment When Greatest Dimension Exceeds 192” But Does Not Exceed 288”	Class Adjustment When Greatest Dimension Exceeds 288”
Less than 15	9.82	100	125	175	250
15 but less than 22.5	18.63	70	85	100	125
22.5 but less than 30	26.04	65	77.5	92.5	110
30 or greater	45.04	55	65	77.5	92.5

Note, item 51902 would be canceled and reestablished as a new Note referenced by the new item. Notes, items 51292, 51294, 51432, 51901 and 52132 would be canceled with no further application.

³ The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 6

Re: Pipe, Tubing or Pipe Fittings, NOI, mineral and resin composition combined — Item 52250

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
52250	Pipe, Tubing or Pipe Fittings , NOI, walls more than 1/4 inch thick, mineral and resin composition combined, see Note, item 52252; in boxes or bundles, see Note, item 52254	70
52252	NOTE—Resin content of the pipe, tubing or pipe fittings must exceed 20 percent but not exceed 50 percent by weight. Also applies on accompanying connector articles of metal construction necessary for installation not to exceed 10 percent of the weight on which charges are assessed.	
52254	NOTE—Shipments of pipe fittings and connector articles must be made in boxes. Shipments of pipe or tubing in tied bundles must have ends of pipe or tubing protected.	
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
156600*	Articles, viz.: Pipe or Pipe Fittings; Tubing , NOI, other than flexible; [Other Articles Listed—Not Involved.] In boxes, crates, drums or Packages 1078, 1241, 1273 or 2213, see Note, item 156602, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
156602	NOTE—Not Involved.	
156603	NOTE—Not Involved.	
156604	NOTE—Not Involved.	

*Published in Supplement 1 to NMF 100-AV, effective April 9, 2022.

SUBJECT 6

Proposed Classification Provisions

Item	Description	Class
52250	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750 Pipe, Tubing or Pipe Fittings, NOI, walls more than 1/4 inch thick, mineral and resin composition combined, etc	⇒Cancel; see item 156600
52252	NOTE—⇒Cancel; no further application.	
52254	NOTE—⇒Cancel; no further application.	
156600	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500 Articles, viz.: Pipe or Pipe Fittings; Tubing, NOI, other than flexible; [Other Articles Listed—No Change.] In boxes, crates, drums or Packages 1078, 1241, 1273 or 2213, see Note, item 156602, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
156602	NOTE—No Change.	
156603	NOTE—No Change.	
156604	NOTE—No Change.	

Analysis

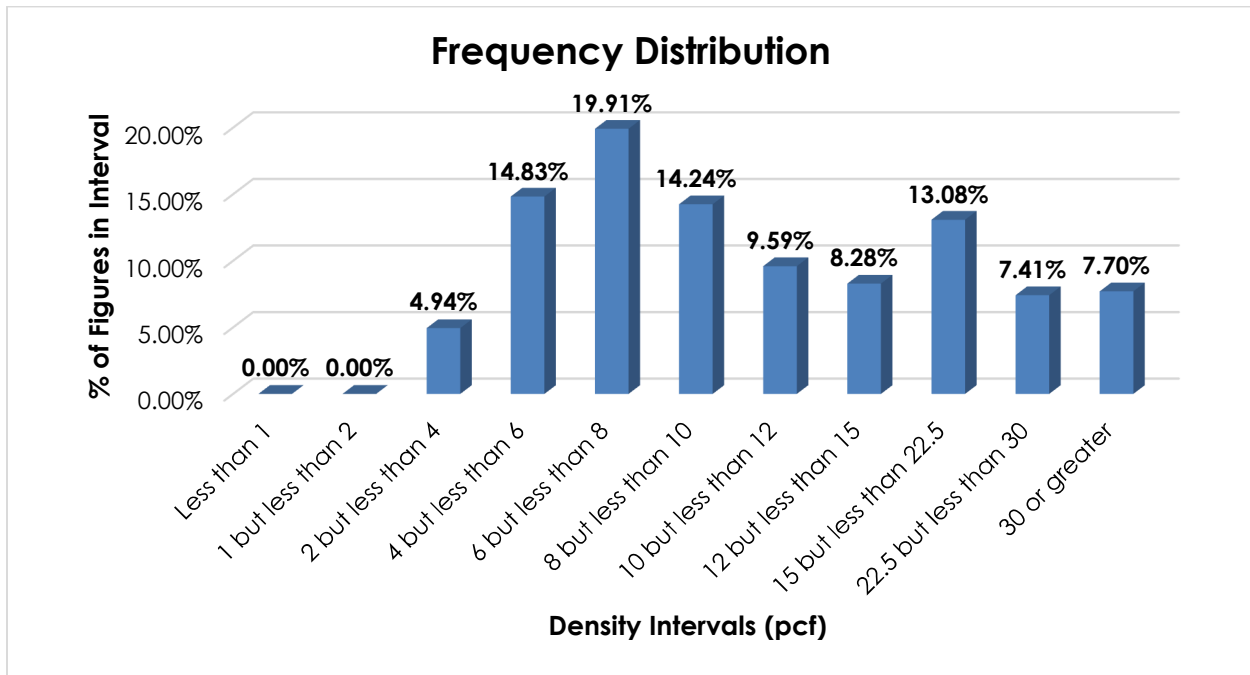
Introduction

Item 52250 applies on pipe, tubing or pipe fittings made of mineral and resin composition combined and having walls more than 1/4 inch thick. Note, item 52252 provides further requirements/restrictions as to when item 52250 applies. When the specific conditions of this item are not met, item 156600, which names plastic pipe, tubing or pipe fittings, would be applicable.

SUBJECT 6

Transportation Characteristics

Density—The information of record includes 688 density observations obtained from the FCDC’s Density Study¹. The densities range from 2.26 to 45.86 pcf, with an overall average density of 12.92 pcf. As shown in the graph below, the densities are distributed throughout the range.



Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

Conclusion

Based on the foregoing analysis, item 52250 would be canceled with reference to the full-scale density-based provisions of item 156600². Concurrently, Notes, items 52252 and 52254 would be canceled as having no further application.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

² Item 156600 provides the FCDC’s standard 11-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 7

Re: Foodstuffs, other than frozen

Contact: Allison L. Austin Telephone — (703) 838-8864 austin@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
72738	Cones , ice cream, molded cookie, with candy or chocolate chip bits, having a density of 10 pounds or greater per cubic foot, see Note, item 72739, in boxes	92.5
72739	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 72795, naming 'Dishes, Bowls, Ice Cream Cones or Shells, edible, NOI, including Croustade Shells.' Upon satisfactory proof of actual density, class will be adjusted accordingly.	
72740	Cones , ice cream, rolled, not molded, nested, in boxes or Package 2371 ...	100
72745	Crusts , pie or tart, other than frozen, in aluminum pans, nested, in boxes.....	70
72750	Dessert Mixes , in inner containers with spoons, cups and cup lids, in boxes ...	85
72760*	Dessert Preparations , such as ice cream, jelly, pie or pudding preparations, other than frozen, NOI, see Note, item 72762, in bags, boxes, drums or pails:	
Sub 1	Sweetened, other than with sugar.....	92.5
Sub 2	Unsweetened; or sweetened with sugar	60
72762	NOTE—Inner containers may contain a small quantity of dry or liquid flavoring.	
72795	Dishes, Bowls, Ice Cream Cones or Shells , edible, NOI, including Croustade Shells , in boxes or Package 2371.....	150
72800	Dough , prepared, other than frozen, see Note, item 72802, in boxes	77.5
72802	NOTE—Applies also when containing other ingredients or an accompanying complement of ingredients or icing or topping.	

*Published in Supplement 1 to NMF 100-AV, effective April 9, 2022.

SUBJECT 7

Present Classification Provisions — Continued

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
73260**	Foodstuffs , other than frozen, Group IV, viz.: Bakery Goods , NOI, also in Packages 128 or 2428; Coffee, Tea or Herbal Tea , NOI, see Note, item 73261, also in Packages 128, 2330 or 2380; Cookies or Crackers , NOI, also in Packages 128 or 2428; Foodstuffs , NOI; Hot Chocolate or Hot Cocoa Mixes; Sauces or Toppings , ice cream or dessert, NOI, in other than pressurized containers, including Marshmallow Creme, Nuts (Nutmeats) in Syrup, or Sprinkles; Snack Foods , NOI; In bags, boxes, drums or Packages 1000, 1400, 2404, 2414 or 2416, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
73261	NOTE—Not Involved.	
73370	Gelatine Dessert , in metal cans, in boxes	65
74445	Potatoes , cooked and powdered, other than frozen, with other ingredients and aluminum foil baking cups in same inner retail package, in boxes or in Package 128.....	85
74450	Potatoes , cooked or dried and diced, powdered, shredded or sliced, see Note, item 74451, without other ingredients, or with other ingredients in same inner retail package, in bags, boxes or Packages 128 or 2185	65
74451	NOTE—Does not apply on potato chips, crisps or sticks. For applicable provisions, see item 73260.	

**Published in Supplement 4 to NMF 100-AV, effective December 17, 2022.

SUBJECT 7

Present Classification Provisions — Continued

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
74455	Potatoes , cooked and flaked but not sliced, without other ingredients, or with other ingredients in same inner retail package:	
Sub 1	In inner containers less than 2 ¹ / ₄ pounds each gross weight, in boxes or drums	85
Sub 2	In bulk in bags; or in inner containers not less than 2 ¹ / ₄ pounds each gross weight, in boxes.....	65
74495	Prepared Foods , cooked or not cooked, dry or other than dry, viz.: Bouillon, Broths or Cooking Stock; Pasta or Noodles , including Chow Mein Noodles, Macaroni, Spaghetti or Vermicelli , with or without other ingredients; Quinoa; Rice , cleaned or prepared, NOI, with or without other ingredients, also in bags; Soups or Soup Mixes , including Chowders; Stews , including Chili; In boxes, drums or Packages 128, 223, 510, 1000, 1500, 2093, 2231, 2421, 2425, 2463, 2498, 2499, 2500 or 2507, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8	175
Sub 2	8 but less than 12.....	100
Sub 3	12 but less than 22.5.....	70
Sub 4	22.5 or greater.....	60

Package 2185

SHIPPING CONTAINER:

Box—Half-slotted container (HSC) of 275 pound test corrugated fiberboard.

Liner—Full-height 1-piece doublewall 350 pound test corrugated fiberboard tube securely glued to inside panels of box.

Inner Liner—2 mil polyethylene film bag.

Cap—Design-style, flanged, corrugated fiberboard testing 275 pounds securely fastened to box.

Base—Container must be securely glued or strapped by not less than 2 straps to a double-faced wooden pallet.

GROSS WEIGHT: Not to exceed 600 pounds.

All fiberboard must meet the requirements of Item 222, Secs. 2 and 3. All strapping must meet the requirements of Item 680, Sec. 9(b).

SUBJECT 7

Present Classification Provisions — Concluded

Package 2371

UNIT CONTAINER: Solid fiberboard or chipboard folding cartons (18 point thickness).

SHIPPING CONTAINER: Shrink wrapped corrugated fiberboard tray(s).

Tray—Corrugated fiberboard of 125 pound test having a minimum flange height of not less than 1/4 the height of the inner cartons.

Film—Heat shrinkable low density polyethylene film of 3 mil thickness or heat shrinkable polyvinyl chloride film of 1 1/2 mil thickness, preferentially oriented machine and transverse direction to effect a tightly shrunk package. Film must completely enclose tray(s) and contents, including ends. Package must be sealed by means of a four sided heat seal, side seal mechanically heat welded longitudinally continuous to package and must have a cross-sectional tensile strength (ASTM D882-A) of not less than 60 percent of the original film after shrinkage.

UNITED INCHES: Not to exceed 45 united inches (length, width and depth added).

GROSS WEIGHT: Not to exceed 15 pounds.

All fiberboard must meet the requirements of Item 222, Secs. 2 and 3.

Proposed Classification Provisions

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
72738	Cones , ice cream, molded cookie, with candy or chocolate chip bits, having a density of 10 pounds or greater per cubic foot, etc	⇒Cancel; see item 73260
72739	NOTE—⇒Cancel; no further application.	
72740	Cones , ice cream, rolled, not molded, nested, etc.....	⇒Cancel; see item 73260
72745	Crusts , pie or tart, other than frozen, in aluminum pans, nested, etc.....	⇒Cancel; see item 73260
72750	Dessert Mixes , in inner containers with spoons, cups and cup lids, etc.....	⇒Cancel; see item 73260
72760	Dessert Preparations , such as ice cream, jelly, pie or pudding preparations, other than frozen, NOI, etc	⇒Cancel; see item 73260
72762	NOTE—⇒Cancel; no further application.	
72795	Dishes, Bowls, Ice Cream Cones or Shells , edible, NOI, including Croustade Shells , etc.....	⇒Cancel; see item 73260
72800	Dough , prepared, other than frozen, etc.....	⇒Cancel; see item 73260
72802	NOTE—⇒Cancel; no further application.	

SUBJECT 7

Proposed Classification Provisions — Continued

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
73260	<p>Foodstuffs, other than frozen, Group IV, viz.: Bakery Goods, NOI, also in ⇨Package 2428; Coffee, Tea or Herbal Tea, NOI, see Note, item 73261, also in ⇨Packages 2330 or 2380; Cookies or Crackers, NOI, also in ⇨Package 2428; ⇨Desserts, Dessert Toppings or Related Foods, NOI, see Note, item NEW; Foodstuffs, NOI; Hot Chocolate or Hot Cocoa Mixes; ⇨Pasta or Noodles, with or without other ingredients; ⇨Rice, cleaned or prepared, NOI, with or without other ingredients; ⇨Sauces or Toppings, ice cream or dessert, NOI, in other than pressurized containers, including Marshmallow Creme, Nuts (Nutmeats) in Syrup, or Sprinkles; Snack Foods, NOI; ⇨Soups or Soup Mixes; In bags, boxes, drums or ⇨Packages 128, 223, 510, 1000, 1400, 1500, 2093, 2231, 2404, 2414, 2416, 2421, 2425, 2463, 2498, 2499, 2500 or 2507, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
73261	NOTE—No Change.	
⇨NEW	<p>NOTE—Provisions for desserts, dessert toppings or related foods include, but are not limited to: Crusts, pie or tart; Dessert Mixes or Preparations, NOI; Dishes, Bowls, Ice Cream Cones or Shells, edible, NOI; Dough, prepared; Gelatine Dessert; Sauces or Toppings, ice cream or dessert, NOI, in other than pressurized containers, including Marshmallow Creme, Nuts (Nutmeats) in Syrup, or Sprinkles.</p>	
73370	Gelatine Dessert , in metal cans, etc.....	⇨Cancel; see item 73260

SUBJECT 7

Proposed Classification Provisions — Concluded

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
74445	Potatoes , cooked and powdered, other than frozen, with other ingredients and aluminum foil baking cups in same inner retail package, etc.....	⇒Cancel; see item 73260
74450	Potatoes , cooked or dried and diced, powdered, shredded or sliced, see Note, item 74451, without other ingredients, or with other ingredients in same inner retail package, etc	⇒Cancel; see item 73260
74451	NOTE—⇒Cancel; no further application.	
74455	Potatoes , cooked and flaked but not sliced, without other ingredients, or with other ingredients in same inner retail package, etc	⇒Cancel; see item 73260
74495	Prepared Foods , cooked or not cooked, dry or other than dry, etc	⇒Cancel; see item 73260

Package 2185

⇒Cancel; no further application.

Package 2371

⇒Cancel; no further application.

Analysis

Introduction

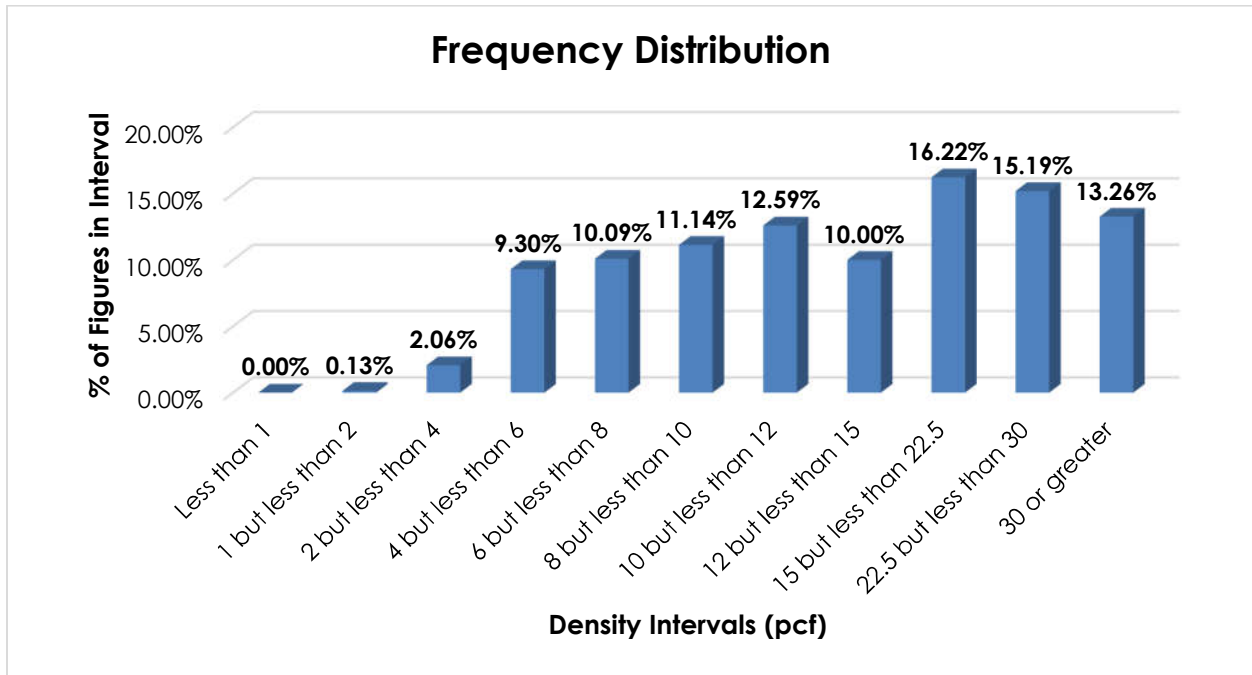
This proposal addresses the transportation characteristics of various foodstuffs, as shown in the Present Classification Provisions herein, as well as potential interpretive issues related to those provisions.

Transportation Characteristics

Density—The information of record includes 29,512 density observations obtained from the FCDC's Density Study¹. The densities range from 1.06 to 76.50 pcf, with an overall average density of 16.79 pcf. As shown in the graph on the following page, the densities are widely distributed throughout most of the range.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 7



Handling, Stowability and Liability—Care must be taken to avoid stowing the involved commodities with hazardous materials or other freight that may pose a contamination risk. They may also be damaged by freight with which stowed or by the elements. However, there have been no reports of unusual or significant handling, stowability or liability issues.

Conclusion

Based on the foregoing analysis, items 72738, 72740, 72745, 72750, 72760, 72795, 72800, 73370, 74445, 74450, 74455 and 74495 would be canceled with reference to the full-scale, density-based provisions of item 73260².

Notes, items 72739, 72762, 72802 and 74451 would be canceled as having no further application.

Concurrently, this proposal would amend the “viz.” listing in item 73260 in the interest of clarification and simplification, and a new attendant Note would be established to further clarify the application of item 73260.

Moreover, to ensure that the commodities are adequately protected so as to withstand the normal rigors of the less-than-truckload environment, and pursuant to the recommendation of the FCDC’s Packaging Manager, the minimum packaging requirements in item 73260 would be amended, and Packages 2185 and 2371 would be canceled with no further application.

² Item 73260 provides the FCDC’s standard 11-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 8

Re: Sugar

Contact: Allison L. Austin

Telephone — (703) 838-8864

austin@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
73150*	Flour or Meal, viz.: Flour , NOI; Meal , NOI, including Corn Meal ; Mixes , baking, NOI, including Bread, Brownie, Cake, Cookie, Muffin, Pancake or Waffle Mixes , see Note, item 73151; Mixes , batter, breading or coating, NOI; In bags, boxes, drums or Packages 128 or 2456, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10	125
Sub 2	10 but less than 15.....	85
Sub 3	15 but less than 30.....	70
Sub 4	30 or greater.....	55
73151	NOTE—Not Involved.	
74900	Sugar , beet or cane, raw, in bags or drums	55
74910	Sugar , beet or cane, other than raw, in bags, boxes or Packages 969 or 1350	55
74940	Sugar , cane and maple combined, in lump, bricks or cakes, in boxes, drums or pails	65
74960	Sugar , corn, sorghum grain or wheat, granulated or powdered, in bags, boxes or drums.....	55
74970	Sugar , corn, sorghum grain or wheat, other than granulated or powdered, in boxes, drums, cloth or five-ply paper bags, or in blocks, fused or machine pressed, weighing each 40 pounds or over, in packages.....	55
74990	Sugar , spiced, in bags, boxes or drums	65
75010	Sugar , invert, in boxes or drums.....	55
75030	Sugar , liquid, in inner containers in boxes, or in bulk in drums	55
75050	Sugar , maple, in bags, boxes, drums or pails.....	70

*Published in Supplement 4 to NMF 100-AV, effective December 17, 2022.

SUBJECT 8

Present Classification Provisions — Concluded

Package 969

Sugar in tablet form in inner cartons testing not less than 40 pounds enclosed in fiberboard boxes meeting requirements of Item 222, except minimum combined weight of facings must be 116 pounds and minimum test of combined board must be 300 pounds. Gross weight must not exceed 75 pounds.

Package 1350

In inner containers in singlewall corrugated fiberboard boxes complying with all requirements of Item 222 for boxes testing not less than 200 pounds, except that one score line of box may be perforated, provided the strength of the box is not materially affected. Gross weight must not exceed 26½ pounds.

Proposed Classification Provisions

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
73150	Flour, Meal ⇨ or Sugar, viz.: Flour , NOI; Meal , NOI, including Corn Meal ; Mixes , baking, NOI, including Bread, Brownie, Cake, Cookie, Muffin, Pancake or Waffle Mixes , see Note, item 73151; Mixes , batter, breading or coating, NOI; ⇨ Sugar , NOI; In bags, boxes, drums or Packages 128 or 2456, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10	125
Sub 2	10 but less than 15.....	85
Sub 3	15 but less than 30.....	70
Sub 4	30 or greater.....	55
73151	NOTE—No Change.	
74900	Sugar , beet or cane, raw, etc.....	⇨Cancel; see item 73150
74910	Sugar , beet or cane, other than raw, etc.....	⇨Cancel; see item 73150
74940	Sugar , cane and maple combined, in lump, bricks or cakes, etc ..	⇨Cancel; see item 73150
74960	Sugar , corn, sorghum grain or wheat, granulated or powdered, etc.....	⇨Cancel; see item 73150
74970	Sugar , corn, sorghum grain or wheat, other than granulated or powdered, etc.....	⇨Cancel; see item 73150

SUBJECT 8

Proposed Classification Provisions — Concluded

Item	Description	Class
	FOODSTUFFS GROUP: subject to item 72000	
74990	Sugar, spiced, etc	⇒Cancel; see item 73150
75010	Sugar, invert, etc	⇒Cancel; see item 73150
75030	Sugar, liquid, etc	⇒Cancel; see item 73150
75050	Sugar, maple, etc	⇒Cancel; see item 73150

Package 969

⇒Cancel; no further application.

Package 1350

⇒Cancel; no further application.

Analysis

Introduction

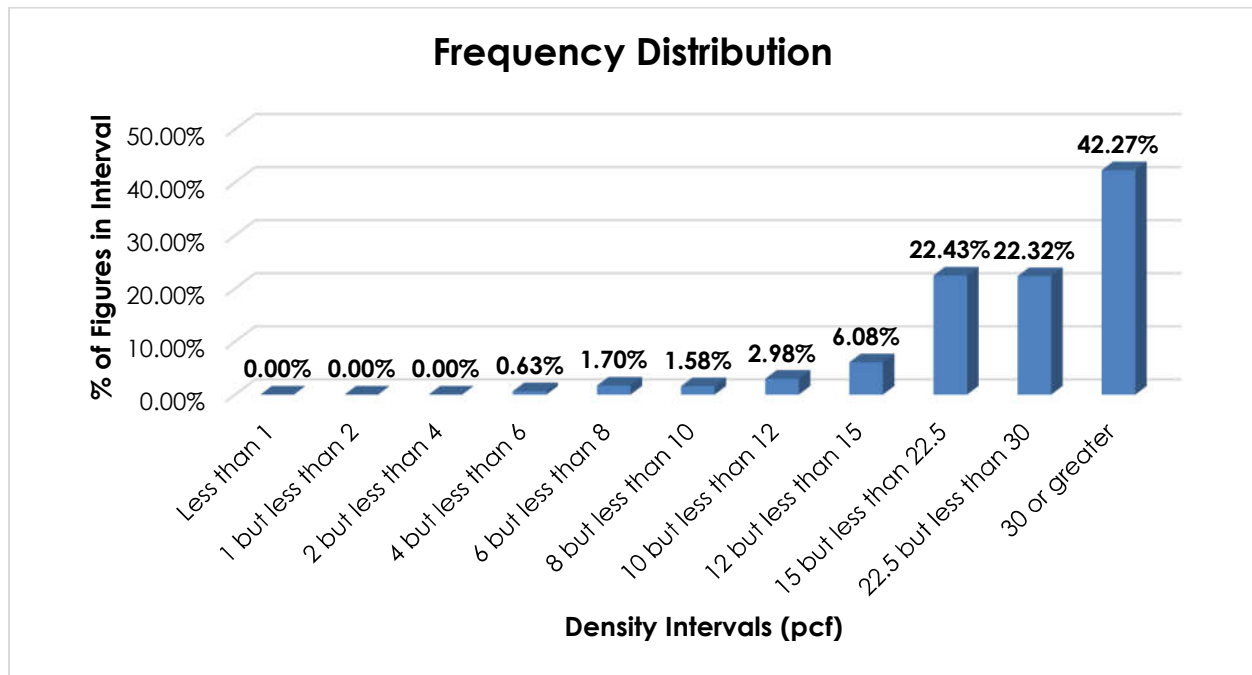
This proposal addresses the transportation characteristics of sugar, as embraced by items 74900 through 75050, as well as potential interpretive issues related to these commodities.

Transportation Characteristics

Density—The information of record includes 7,007 density observations obtained from the FCDC’s Density Study¹. The densities range from 4.15 to 95.57 pcf, with an overall average density of 28.68 pcf. As shown in the graph on the following page, the density distribution is left-skewed, with the highest peak in the 30 pcf or greater interval and secondary clustered peaks around the average. Density breaks at 10, 15 and 30 pcf address the spread and modality of the distribution.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 8



When the data is evaluated based on the proposed density breaks, the density ranges and averages in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 10	4.15 – 9.99	7.46
10 but less than 15	10.00 – 14.99	12.77
15 but less than 30	15.00 – 29.99	22.32
30 or greater	30.00 – 95.57	40.79

Handling, Stowability and Liability—Care must be taken to avoid stowing the involved commodities with hazardous materials or other freight that may pose a contamination risk. They may also be damaged by freight with which stowed or by the elements. However, there have been no reports of unusual or significant handling, stowability or liability issues.

Conclusion

Based on the foregoing analysis, items 74900, 74910, 74940, 74960, 74970, 74990, 75010, 75030 and 75050 would be canceled with reference to the provisions of item 73150, which currently assigns classes predicated on density breaks at 10, 15 and 30 pcf², consistent with the respective average densities of the involved products, as shown in the table on the following page.

² The density provisions include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 8

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 10	7.46	7	125
10 but less than 15	12.77	12	85
15 but less than 30	22.32	15	70
30 or greater	40.79	35	55

This proposal would group the involved products with related commodities possessing comparable transportation characteristics. Concurrently, the "viz." listing in item 73150 would be amended to include "Sugar, NOI," to foster clarification.

Moreover, to ensure that the commodities are adequately protected so as to withstand the normal rigors of the less-than-truckload environment, and pursuant to the recommendation of the FCDC's Packaging Manager, Packages 969 and 1350 would be canceled with no further application.

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SUBJECT 9

Re: Pads, Padding and Related Articles Group

Contact: Adam C. Mercer Telephone — (703) 838-1911 mercer@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
149020	PADS, PADDING AND RELATED ARTICLES GROUP: subject to item 149000 Batting, Batts, Pads, Padding, Wads or Wadding , consisting of cotton fibers or consisting predominantly by weight of cotton fibers, see Note, item 149021, not exceeding 1 inch in thickness, see Note, item 149022, in packages.....	125
149021	NOTE—The term 'cotton' as used herein refers to cotton fiber in any of its forms, such as cotton linters, cotton waste, cotton motes or cotton card sweepings.	
149022	NOTE—Will also apply when: Glazed or having a surface binder; Backed or faced with paper, paperboard or cellulose or plastic film; Backed or faced with open-mesh fabric such as cheesecloth; Stitched with stitches not closer than 3 inches. Will not apply when: Backed or faced with fabrics other than open-mesh fabrics or material other than paper, paperboard or cellulose or plastic film; Of knitted or woven construction.	
149030*	Batting, Batts, Wadding or Mattress Felt or Padding , NOI, cotton, jute or sisal, see Note, item 149031, subject to Item 170:	
Sub 1	In bags or boxes, or in bales not compressed or bales compressed to less than 6 pounds per cubic foot	200
Sub 2	In bales compressed to 6 pounds per cubic foot but less than 12 pounds per cubic foot.....	100
Sub 3	In bales compressed to 12 pounds or greater per cubic foot.....	85
149031	NOTE—Will not apply on finished pads nor on material which is knitted, quilted or stitched.	
149080	Cloths or Mats or Cloth or Matting , filter press:	
Sub 1	Cotton, in bales or boxes	70
Sub 2	Hair or wool, new or used, not worn-out, in bags, bales or boxes.....	85
Sub 3	NOI, in bales or boxes.....	100

*Published in Supplement 1 to NMF 100-AV, effective April 9, 2022.

SUBJECT 9

Present Classification Provisions — Continued

Item	Description	Class
	PADS, PADDING AND RELATED ARTICLES GROUP: subject to item 149000	
149200	Mats or Matting , glass fiber or glass wool, not woven, with or without binder, other than insulating mats or matting and other than air filtering media, in packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
149220	Mats or Pads , stove or table, heat resistant, solid fiberboard, or fiberboard combined with metal or foil, in boxes.....	77.5
149225	Pads , cotton, with or without backing or facing of unwoven fiber, cut to specific size for insertion in jewelry boxes (Jewelers' Cotton), in boxes.....	250
149230	Pads , stove or table, NOI, in boxes	85
149250	Pads or Cushions , packing:	
149255	Chipboard, Fiberboard, Paper, Paperboard or Pulpboard , indented, in packages:	
Sub 1	Not wrapped in paper sleeves, with or without Kraft-paper facing or backing.....	125
Sub 2	Wrapped in paper sleeves.....	100
149260	Plastic Film , honeycombed with integrally formed cups or blisters, or laminated to form air-filled cells, including Bubble Wrap , see Note, item 149261, in boxes or bundles, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 2	400
Sub 2	2 or greater.....	250
149261	NOTE—Applies on packing pads or cushions in the form of sheets or continuous lengths. Also applies on Bags, Packets, Pouches or Sleeves intended for use as inner packaging material.	
149263	Rubber or Rubber Composition , other than foam rubber, in boxes.....	85

SUBJECT 9

Present Classification Provisions — Concluded

Item	Description	Class
149265	<p>PADS, PADDING AND RELATED ARTICLES GROUP: subject to item 149000</p> <p>Pads, Padding, Cushions or Pillows, see Note, item 149269, viz.:</p> <p>Berms, spill containment;</p> <p>Booms, Pads, Sweeps or Other Forms or Shapes, chemical or oil absorption;</p> <p>Cushions, aircraft seat or railway car seat;</p> <p>Cushions, automotive safety restraint system, cloth (Air Bag Inflator Cushions);</p> <p>Cushions, NOI;</p> <p>Excelsior, NOI; or Shredded Paper Packing Material;</p> <p>Futons;</p> <p>Packing Material, loosefill, NOI, including Packing Peanuts, Pellets, Disks or Other Forms or Shapes;</p> <p>Pads, mattress;</p> <p>Pads or Cushions, packing; excelsior, grass, hay, straw or shredded or macerated paper;</p> <p>Pads or Padding, NOI;</p> <p>Pillows or Pillow Forms (Unfinished Pillows), NOI;</p> <p>Seat Backs, railway car, upholstered or padded;</p> <p>In packages, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
149269	NOTE—Does not apply on polypropylene in sheet form, polyethylene in sheet form or polystyrene in sheet form when the packaged density as shipped is less than one pound per cubic foot. Such articles are classified in item 157463.	
149270	Pads, Padding, Wads or Wadding, creped paper, wood fiber, or cellulose other than synthetic fibers, with or without backing or facing of other materials, see Note, item 149271, in sheets or rolls, in packages	175
149271	NOTE—Provisions do not apply on meat, fish or poultry fluid absorbency pads or padding. For classes applicable to these pads, see item 149265.	

SUBJECT 9

Proposed Classification Provisions

Item	Description	Class
	PADS, PADDING AND RELATED ARTICLES GROUP: subject to item 149000	
149020	Batting, Batts, Pads, Padding, Wads or Wadding , consisting of cotton fibers or consisting predominantly by weight of cotton fibers, see Note, item 149021, not exceeding 1 inch in thickness, see Note, item 149022, etc	⇒Cancel; see item 149265
149021	NOTE—⇒Cancel; no further application.	
149022	NOTE—⇒Cancel; no further application.	
149030	Batting, Batts, Wadding or Mattress Felt or Padding , NOI, cotton, jute or sisal, see Note, item 149031, etc	⇒Cancel; see item 149265
149031	NOTE—⇒Cancel; no further application.	
149080	Cloths or Mats or Cloth or Matting , filter press, etc	⇒Cancel; see item 149265
149200	Mats or Matting , glass fiber or glass wool, not woven, with or without binder, other than insulating mats or matting and other than air filtering media, etc	⇒Cancel; see item 149265
149220	Mats or Pads , stove or table, heat resistant, solid fiberboard, or fiberboard combined with metal or foil, etc	⇒Cancel; see item 149265
149225	Pads , cotton, with or without backing or facing of unwoven fiber, cut to specific size for insertion in jewelry boxes (Jewelers' Cotton), etc	⇒Cancel; see item 149265
149230	Pads , stove or table, NOI, etc	⇒Cancel; see item 149265
149250	Pads or Cushions , packing:	⇒Cancel; no further application
149255	Chipboard, Fiberboard, Paper, Paperboard or Pulpboard , indented, etc	⇒Cancel; see item 149265
149260	Plastic Film , honeycombed with integrally formed cups or blisters, or laminated to form air-filled cells, including Bubble Wrap , see Note, item 149261, etc	⇒Cancel; see item 149265
149261	NOTE—⇒Cancel; no further application.	
149263	Rubber or Rubber Composition , other than foam rubber, etc ...	⇒Cancel; see item 149265

SUBJECT 9

Proposed Classification Provisions — Continued

Item	Description	Class
149265	<p>PADS, PADDING AND RELATED ARTICLES GROUP: subject to item 149000</p> <p>Pads, Padding, Cushions or Pillows, see Note, item 149269, viz.:</p> <p>⇒Batts or Batting, NOI;</p> <p>Berms, spill containment;</p> <p>Booms, Pads, Sweeps or Other Forms or Shapes, chemical or oil absorption;</p> <p>Cushions, aircraft seat or railway car seat;</p> <p>Cushions, automotive safety restraint system, cloth (Air Bag Inflator Cushions);</p> <p>Cushions, NOI;</p> <p>Excelsior, NOI; or Shredded Paper Packing Material;</p> <p>Futons;</p> <p>⇒Mats or Matting, NOI;</p> <p>Packing Material, loosefill, NOI, including Packing Peanuts, Pellets, Disks or Other Forms or Shapes;</p> <p>Pads, mattress;</p> <p>⇒Pads or Cushions, packing, NOI, including Bubble Wrap, see Note, item NEW;</p> <p>Pads or Padding, NOI;</p> <p>⇒Pads, stove or table, NOI;</p> <p>Pillows or Pillow Forms (Unfinished Pillows), NOI;</p> <p>Seat Backs, railway car, upholstered or padded;</p> <p>⇒Wads or Wadding, NOI;</p>	
	<p>In packages, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1 400	
Sub 2	1 but less than 2..... 300	
Sub 3	2 but less than 4..... 250	
Sub 4	4 but less than 6..... 175	
Sub 5	6 but less than 8..... 125	
Sub 6	8 but less than 10..... 100	
Sub 7	10 but less than 12..... 92.5	
Sub 8	12 but less than 15..... 85	
Sub 9	15 but less than 22.5..... 70	
Sub 10	22.5 but less than 30..... 65	
Sub 11	30 or greater..... 60	
149269	<p>NOTE—Does not apply on polypropylene in sheet form, polyethylene in sheet form or polystyrene in sheet form when the packaged density as shipped is less than one pound per cubic foot. Such articles are classified in item 157463.</p>	
⇒NEW	<p>NOTE—Also applies on Bags, Packets, Pouches or Sleeves for use as inner packaging material.</p>	

SUBJECT 9

Proposed Classification Provisions — Concluded

Item	Description	Class
149270	<p>PADS, PADDING AND RELATED ARTICLES GROUP: subject to item 149000</p> <p>Pads, Padding, Wads or Wadding, creped paper, wood fiber, or cellulose other than synthetic fibers, with or without backing or facing of other materials, see Note, item 149271, in sheets or rolls, etc</p>	⇒Cancel; see item 149265
149271	NOTE—⇒Cancel; no further application.	

Analysis

Introduction

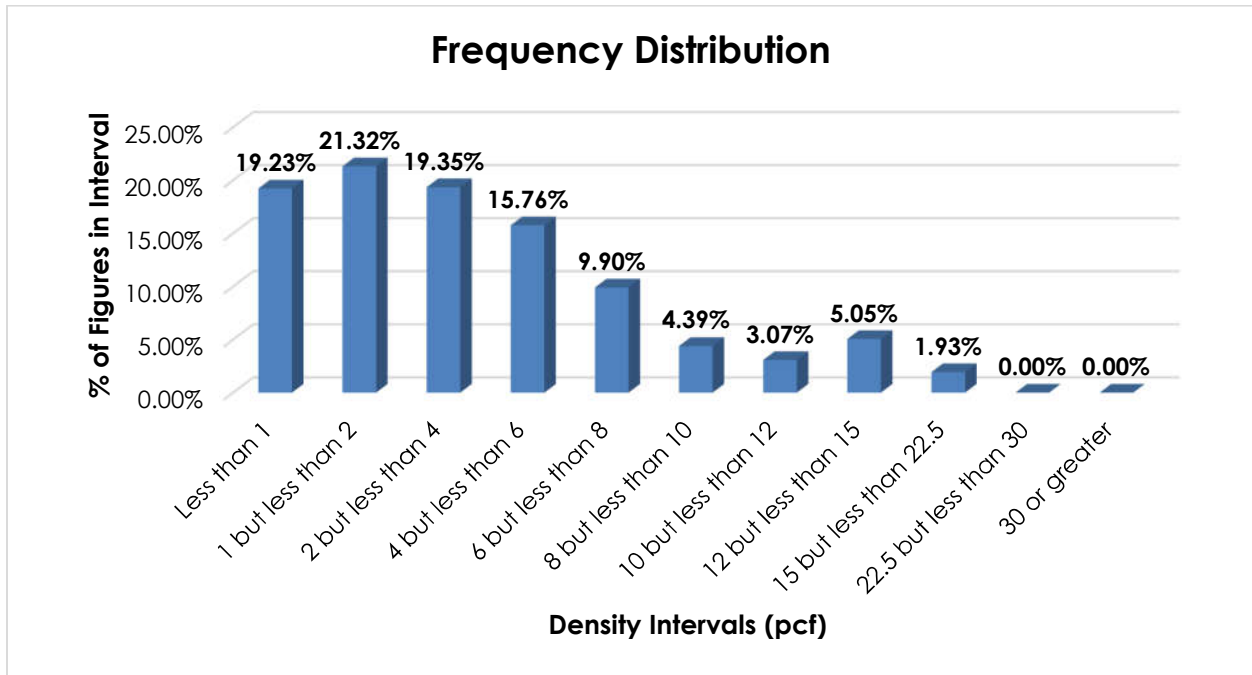
There are numerous items subject to the Pads, Padding and Related Articles Group, item 149000, that name particular types of pads or padding, and these provisions can be difficult to interpret, apply or verify. Moreover, the involved commodities exhibit a wide range of densities. The transportation characteristics below relate to items 149020, 149030, 149080, 149200, 149220, 149225, 149230, 149255, 149260, 149263 and 149270, as shown in the Present Classification Provisions herein.

Transportation Characteristics

Density—The information of record includes 13,220 density observations obtained from the FCDC’s Density Study¹. The densities range from 0.10 to 19.70 pcf, with an overall average density of 4.18 pcf. As shown in the graph on the following page, the density distribution is right-skewed with figures distributed throughout the range.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 9



Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

Conclusion

Based on the foregoing analysis, items 149020, 149030, 149080, 149200, 149220, 149225, 149230, 149255, 149260, 149263 and 149270 would be canceled with reference to the full-scale, density-based provisions of item 149265².

Notes, items 149021, 149022, 149031, 149261 and 149271 would be canceled as having no further application, as would item 149250.

Concurrently, in the interest of clarification, this proposal would amend the “viz.” listing in item 149265 to include: “Batts or Batting, NOI,” “Mats or Matting, NOI,” “Pads or Cushions, packing, NOI, including Bubble Wrap,” “Pads, stove or table, NOI,” and “Wads or Wadding, NOI.”

A new attendant Note would be established to clarify the application of item 149265.

² Item 149265 provides the FCDC’s standard 11-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 10

Re: Brooms Group

Contact: Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
32770	BROOMS GROUP: Articles consist of Brooms, Brushes or Mops, or Parts Named, as described in items subject to this grouping.	
32810	Broom Clamps , steel, in boxes or drums.....	70
32890	Broom Heads , broom corn, in boxes, wrapped bundles, or crates	100
32970	Broom Splints , vegetable fiber or wood, in bales, boxes or crates	70
32990	Brooms , bahia palm and bassine (bass) fiber combined, in packages.....	85
33010	Brooms , NOI, or Floor Brushes , in packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
33050	Brooms , wire, in boxes.....	85
33055	Brushes , acid, flux, glue or pipe dope, steel handle with horsehair bristles, in bulk in boxes.....	70
33060	Brushes , chimney, wire bristle, with or without operating rods or handle, in packages	200
33070	Brushes or Brooms , street or industrial sweeping machine, or Parts thereof , NOI, see Note, item 33075, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6, in packages.....	150
Sub 2	6 but less than 12, in packages	100
Sub 3	12 or greater, loose or in packages	70
33075	NOTE—Old worn-out brooms or brushes, having value for reconditioning or salvage purposes only, may be shipped loose.	
33090	Brushes , floor waxing, with cast iron tops, handles detached, in packages	70

SUBJECT 10

Present Classification Provisions — Concluded

Item	Description	Class
	BROOMS GROUP: subject to item 32770	
33100	Brushes , NOI, other than floor, see Note, item 33163, in packages or Package 2213, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	200
Sub 2	6 but less than 10	110
Sub 3	10 or greater	70
33163	NOTE—Hand roller or pad-type paint applicators, with or without pans or trays, may be packed in the same container with brushes providing the weight thereof does not exceed 25 percent of the weight of the brushes.	
33180	Brushes , silver trimmed, see Note, item 33182, in boxes.....	150
33182	NOTE—Brushes with sterling silver backs or handles not taken.	
33200	Brush Strips , vacuum cleaner, other than vacuum cleaner tools, in boxes	85
33210	Frames , mop or wax applicator, steel wire, without fittings or connectors, in boxes.....	60
33220	Handles and Holders combined , brush or mop, in packages.....	77.5
33225	Handles , broom, wooden, and metal Broom Holders combined , in boxes or crates	85
33240	Mops , NOI, or Mop Heads, Pads or Refills , in packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 4	250
Sub 2	4 but less than 8	175
Sub 3	8 but less than 12	100
Sub 4	12 or greater	77.5
33260	Mops , synthetic resin, with soap impregnated paper heads, in boxes	100
33270	Rollers , sponge mop wringer mechanism, plastic, other than cellular, expanded or foam, in bulk in boxes	55
33280	Sponge Mops , dish, bottle or glassware, cellulose or plastic, with handles attached:	
Sub 1	Dry, in boxes	300
Sub 2	Other than dry, in plastic bags, in boxes	150

Proposed Classification Provisions

Item	Description	Class
32770	BROOMS GROUP , etc	⇒Cancel; no further application
32810	Broom Clamps , steel, etc.....	⇒Cancel; see item A-NEW

SUBJECT 10

Proposed Classification Provisions — Continued

Item	Description	Class
	BROOMS GROUP: subject to item 32770	
32890	Broom Heads , broom corn, etc	⇒Cancel; see item A-NEW
32970	Broom Splints , vegetable fiber or wood, etc	⇒Cancel; see item A-NEW
32990	Brooms , bahia palm and bassine (bass) fiber combined, etc	⇒Cancel; see item A-NEW
33010	Brooms , NOI, or Floor Brushes , etc	⇒Cancel; see item A-NEW
33050	Brooms , wire, etc	⇒Cancel; see item A-NEW
33055	Brushes , acid, flux, glue or pipe dope, steel handle with horsehair bristles, etc	⇒Cancel; see item A-NEW
33060	Brushes , chimney, wire bristle, with or without operating rods or handle, etc	⇒Cancel; see item A-NEW
33070	Brushes or Brooms , street or industrial sweeping machine, or Parts thereof , NOI, etc	⇒Cancel; see item A-NEW
33075	NOTE—⇒Cancel; no further application.	
33090	Brushes , floor waxing, with cast iron tops, handles detached, etc .	⇒Cancel; see item A-NEW
33100	Brushes , NOI, other than floor, etc	⇒Cancel; see item A-NEW
33163	NOTE—⇒Cancel; no further application.	
33180	Brushes , silver trimmed, etc	⇒Cancel; see item A-NEW
33182	NOTE—⇒Cancel; no further application.	
33200	Brush Strips , vacuum cleaner, other than vacuum cleaner tools, etc.....	⇒Cancel; see item A-NEW
33210	Frames , mop or wax applicator, steel wire, without fittings or connectors, etc	⇒Cancel; see item A-NEW
33220	Handles and Holders combined , brush or mop, etc	⇒Cancel; see item A-NEW
33225	Handles , broom, wooden, and metal Broom Holders combined , etc.....	⇒Cancel; see item A-NEW
33240	Mops , NOI, or Mop Heads, Pads or Refills , etc	⇒Cancel; see Item A-NEW
33260	Mops , synthetic resin, with soap impregnated paper heads, etc ...	⇒Cancel; see item A-NEW

SUBJECT 10

Proposed Classification Provisions — Concluded

Item	Description	Class
	BROOMS GROUP: subject to item 32770	
33270	Rollers , sponge mop wringer mechanism, plastic, other than cellular, expanded or foam, etc	⇒Cancel; see item A-NEW
33280	Sponge Mops , dish, bottle or glassware, cellulose or plastic, etc	⇒Cancel; see item A-NEW
⇒A-NEW	Brooms, Brushes or Mops, or Parts thereof , NOI, see Note, item B-NEW, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
⇒B-NEW	NOTE—Also applies on Mop Heads, Pads or Refills .	

Analysis

Introduction

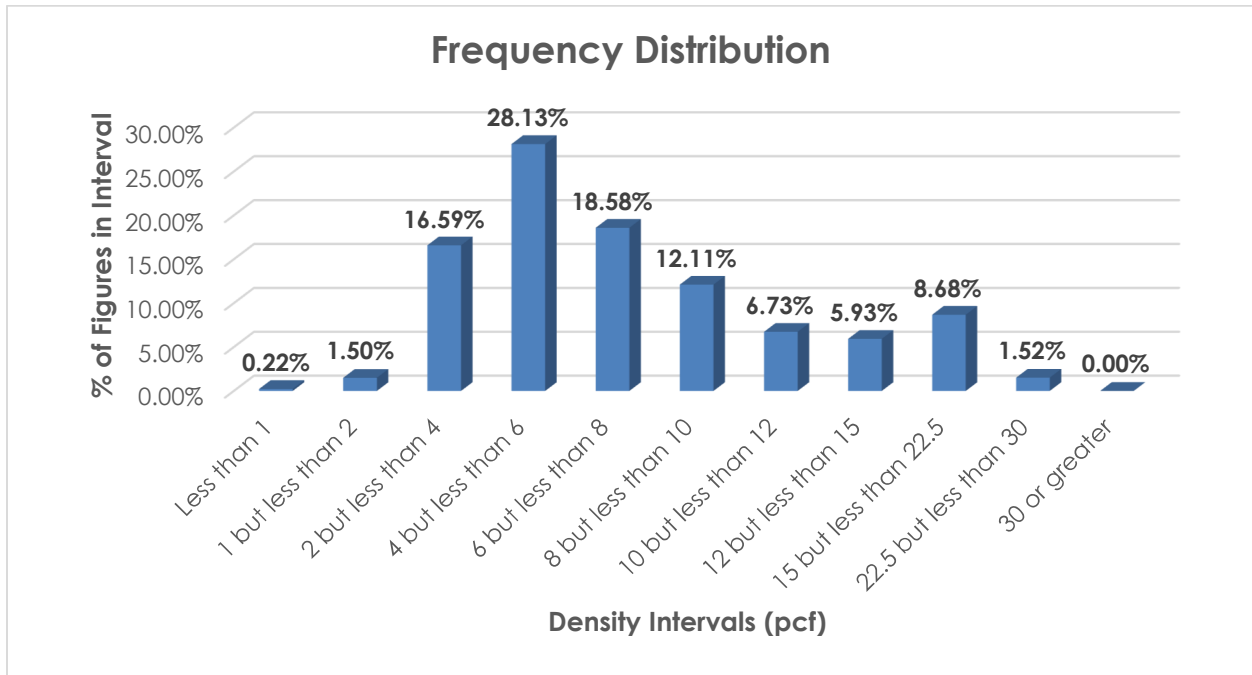
There are numerous items subject to the Brooms Group that name particular types of brooms, brushes or mops, or parts thereof, and these provisions can be difficult to interpret, apply or verify. Moreover, the involved commodities exhibit a wide range of densities. The transportation characteristics below relate to items 32810, 32890, 32970, 32990, 33010, 33050, 33055, 33060, 33070, 33090, 33100, 33180, 33200, 33210, 33220, 33225, 33240, 33260, 33270 and 33280, as shown in the Present Classification Provisions herein.

Transportation Characteristics

Density—The information of record includes 32,607 density observations obtained from the FCDC's Density Study¹. The densities range from 0.05 to 26.09 pcf, with an overall average density of 9.91 pcf. As shown in the graph on the following page, the densities are distributed throughout the range.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 10



Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

Conclusion

Based on the foregoing analysis, items 32810, 32890, 32970, 32990, 33010, 33050, 33055, 33060, 33070, 33090, 33100, 33180, 33200, 33210, 33220, 33225, 33240, 33260, 33270 and 33280 would be canceled with reference to a new item, naming “Brooms, Brushes or Mops, or Parts thereof, NOI,” with classes predicated on the FCDC’s standard 11-subprovision density scale².

A new attendant Note would be established to clarify the application of the new item.

The generic heading, item 32770, and Notes, items 33075, 33163 and 33182 would be canceled as having no further application.

The FCDC’s Packaging Manager has reviewed the proposed minimum packaging requirements, i.e., “in boxes or crates,” and determined that they are appropriate for the LTL environment.

² The FCDC’s standard 11-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 11

Re: Mirrors

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
79022	NOTE—Not Involved.	
137380*	Mirrors , plastic, not bent, in boxes, crates or Package 2187, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 12.....	125
Sub 2	12 but less than 15.....	85
Sub 3	15 but less than 30.....	70
Sub 4	30 but less than 40.....	60
Sub 5	40 or greater.....	55
137385	Mirrors , with wall sconces or wall consoles in same package, in boxes:	
Sub 1	NOI.....	200
Sub 2	KD flat.....	110
137400	Mirrors , NOI, see Notes, items 79022, 137452 and 137456:	
137420	Bent, in boxes:	
Sub 1	Not exceeding 15 feet in length nor 7½ feet in width.....	125
Sub 2	Exceeding 15 feet in length or 7½ feet in width.....	300
137440	Not bent, in boxes:	
Sub 1	120 united inches or under, also in Packages 1F, 5F, 6F, 52F, 61F, 79F, 93F, 115F or 139F.....	100
Sub 2	Exceeding 120 united inches, but not exceeding 15 feet in length nor 7½ feet in width.....	125
Sub 3	Exceeding 15 feet in length or 7½ feet in width.....	250
137452	NOTE—Shipments must be so packed and so loaded that glass rests on full flat edge.	
137456	NOTE—The term 'united inches' means the sum of the two greatest dimensions (length and width) of package.	

*Published in Supplement 2 to NMF 100-AV, effective August 13, 2022.

SUBJECT 11

Proposed Classification Provisions

Item	Description	Class
79022	NOTE—No Change.	
137380	Mirrors , plastic, not bent, etc	⇒Cancel; see item A-NEW
137385	Mirrors , with wall sconces or wall consoles in same package, etc	⇒Cancel; see item A-NEW and provisions otherwise applicable
137400	Mirrors , NOI, etc.....	⇒Cancel; see item A-NEW
137420	Bent, etc.....	⇒Cancel; see item A-NEW
137440	Not bent, etc	⇒Cancel; see item A-NEW
137452	NOTE—⇒Cancel; no further application.	
137456	NOTE—⇒Cancel; no further application.	
⇒A-NEW	Mirrors , NOI, in boxes, see Notes, items 79022 and B-NEW:	
Sub 1	Greatest dimension exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4.....	500
Sub 3	4 but less than 7	250
Sub 4	7 or greater	125
Sub 5	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 4.....	400
Sub 7	4 but less than 7	200
Sub 8	7 or greater	110
⇒B-NEW	NOTE—Mirrors must be protected by packing forms or other packaging materials necessary to afford adequate protection against damage.	

Analysis

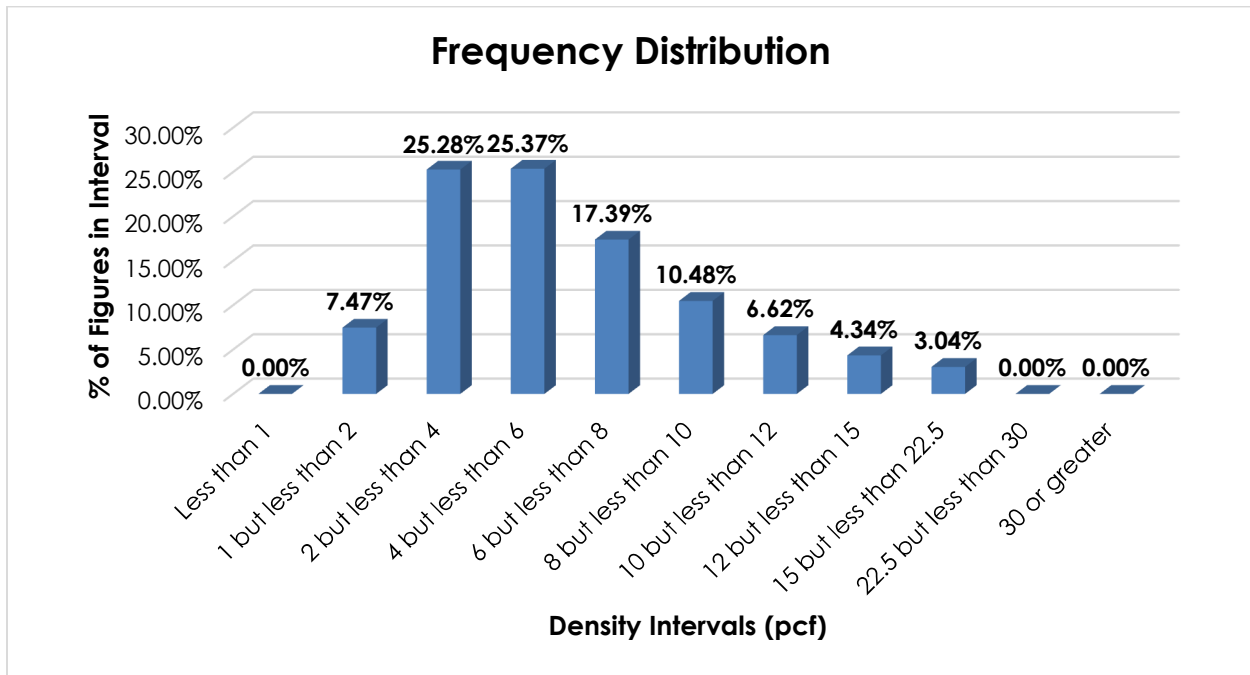
Introduction

This proposal is based on the information developed during Research Project 1510, which was initiated to review the transportation characteristics of mirrors, as named in items 137380 through 137440. The current provisions are out-of-date, are cumbersome to apply, and are based on a variety of factors, such as length and width, density and form of shipment.

SUBJECT 11

Transportation Characteristics

Density—The information of record includes 16,742 density observations obtained from the FCDC’s Density Study¹. The densities range from 1.01 to 22.35 pcf, with an overall average density of 6.09 pcf. As shown in the graph below, the density distribution is right-skewed, with just over 68% of the figures between 2 and 8 pcf.



When the data is evaluated based on the proposed density breaks at 4 and 7 pcf, the density ranges and averages shown in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 4	1.01 – 3.99	2.61
4 but less than 7	4.00 – 6.99	5.41
7 or greater	7.00 – 22.35	10.38

Handling—Mirrors are generally tendered in boxes, which may or may not be secured on lift truck skids or pallets. These articles vary greatly in size, and when the data of record is evaluated based on greatest dimension, where known, it is found that numerous observations exceed 96 inches (8 feet) in greatest dimension². As greatest dimension increases, the handling into and out of the vehicle becomes considerably more difficult, and certain

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

² Item (Rule) 568, “Heavy or Bulky Freight—Loading or Unloading,” employs the threshold limit of exceeding 8 feet (96 inches) in greatest dimension as the measurement at which freight becomes more difficult to load and unload when compared to general boxed freight.

SUBJECT 11

equipment, or additional personnel, may be necessary to safely handle the longer/larger units. Furthermore, as the greatest dimension increases, cross-dock operations can be significantly affected. Moreover, due to their inherent fragility, these commodities, regardless of size, require extra care and attention when handling.

Stowability—Regardless of greatest dimension, stowing these articles presents problems due to their fragility. Extra care and attention must be taken to only stow compatible freight adjacent to and on top of the involved commodities. Additionally, shipments of the involved products exceeding 96 inches in greatest dimension present additional stowing issues as their size further complicates the carrier’s ability to structure a load and maximize vehicle utilization.

Liability—The involved commodities are not perishable, hazardous in nature, nor likely to damage other freight. However, these articles do have an increased propensity to damage due to their inherent fragility.

Conclusion

Based on the foregoing analysis, this proposal would cancel items 137380, 137385, 137400, 137420 and 137440 with reference to a new item, naming “Mirrors, NOI,” in the interest of clarification and simplification³. As proposed, the new item would have classes predicated on greatest dimension and density⁴. Due to the identified negative handling, stowability and liability characteristics, this proposal would assign classes higher than those called for under FCDC’s density guidelines. The table below shows the associated average densities for each density group, the guideline classes and the respective proposed classes based on greatest dimension.

Density Group (pcf)	Average Density (pcf)	Guideline Class	Class Adjustment When Greatest Dimension Does Not Exceed 96”	Class Adjustment When Greatest Dimension Exceeds 96”
Less than 4	2.61	300	400	500
4 but less than 7	5.41	175	200	250
7 or greater	10.38	100	110	125

Furthermore, the new item would require packaging “in boxes.” A new Note providing additional packaging requirements would also be established.

³ Item 137385, which applies on mirrors with wall sconces or wall consoles, would be canceled also with reference to provisions otherwise applicable.

⁴ The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 12

Re: Chemicals, NOI — Item 43940

Contact: Lisa K. O'Donnell Telephone — (703) 838-1838 odonnell@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	CHEMICALS GROUP: subject to item 42600	
43940*	☛ Chemicals , NOI, see Note, item 43942:	
Sub 1	In glass carboys.....	100
Sub 2	In bags, boxes, drums or Packages 2258, 2456 or 2499.....	85
43942	NOTE—Also applies on accompanying accessorial bleeding sets or holders with or without needles attached. The total weight of such named accessorial articles must not exceed 10 percent of the weight upon which charges are assessed.	

*Published in Supplement 4 to NMF 100-AV, effective December 17, 2022.

Proposed Classification Provisions

Item	Description	Class
	CHEMICALS GROUP: subject to item 42600	
⇒43940	☛ Chemicals , NOI, see Note, item NEW, in bags, boxes, drums, pails, intermediate bulk containers (IBCs) or Packages 2258, 2456 or 2499, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10.....	125
Sub 2	10 but less than 15.....	85
Sub 3	15 but less than 30.....	70
Sub 4	30 or greater.....	55
43942	NOTE—⇒Cancel; no further application.	
⇒NEW	NOTE—Unless otherwise provided, also applies on materials regulated by the U.S. Department of Transportation as Combustible Liquids in containers with a maximum capacity of 119 gallons or less, as defined in 49 CFR §173.120, and on materials moving under a limited quantity exception, as defined in 49 CFR Part 173, Subpart B.	

SUBJECT 12

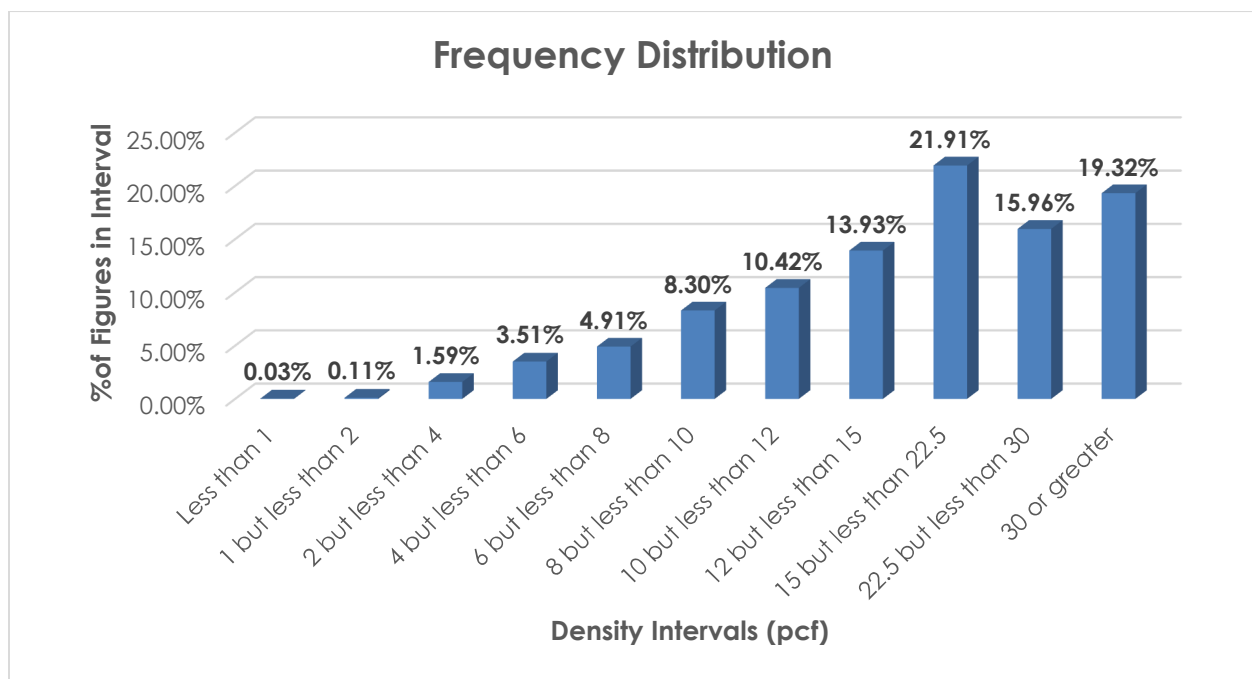
Analysis

Introduction

This proposal is based on information developed through Research Project 1494, which was initiated to review item 43940, naming “Chemicals, NOI.” Item 43940 serves as the general, “catch-all” entry for chemicals.

Transportation Characteristics

Density—The information of record includes 124,412 density observations submitted by carriers, a shipper and obtained from the FCDC's Density Study¹. The densities range from 0.11 to 74.09 pcf, with an overall average density of 20.32 pcf. As shown in the graph below, the density distribution is left-skewed, with clustered peaks around the average, and a secondary peak in the 30 pcf or greater interval. Density breaks at 10, 15 and 30 pcf address the spread and modality of the distribution.



When the data is evaluated on the basis of the four proposed density groupings to reflect the distribution of densities, the ranges and averages on the following page are calculated.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 12

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 10	0.11 – 9.99	7.22
10 but less than 15	10.00 – 14.99	12.40
15 but less than 30	15.00 – 29.99	21.36
30 or greater	30.00 – 74.09	40.77

Handling, Stowability and Liability—Care must be taken to avoid stowing some chemicals with food or feed or other freight that may be contaminated. However, there have been no reports of unusual or significant handling, stowability or liability issues.

Conclusion

Based on the foregoing analysis, this proposal would amend item 43940 by assigning classes predicated on density, with breaks at 10, 15, and 30 pcf². The table below relates the information of record to the proposed density groupings and FCDC guidelines.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 10	7.22	7	125
10 but less than 15	12.40	12	85
15 but less than 30	21.36	15	70
30 or greater	40.77	35	55

A new Note would be established stating that, unless otherwise provided, item 43940 also applies on materials regulated by the U.S. Department of Transportation as Combustible Liquids in containers with a maximum capacity of 119 gallons or less, as defined in 49 CFR §173.120, and on materials moving under a limited quantity exception, as defined in 49 CFR Part 173, Subpart B.

Note, item 43942 would be canceled with no further application.

The FCDC's Packaging Manager has reviewed the proposed minimum packaging requirements and determined that they are appropriate for the LTL environment.

² The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 13

Re: Pesticides, including Insect Paper, and Flypaper

Contact: Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	PESTICIDES GROUP: subject to item 155000	
155045	Paper , insect (paper treated with insecticides or insect repellents), in boxes.....	100
155047	Paper , sticky fly, in rolled tape form.....	70
155050	Pesticides , NOI, including Defoliants, Fungicides, Herbicides or Insecticides , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 155051 and 155054, in bags, boxes, crates, drums, pails or Packages 602, 2257, 2341 or 2479, see Note, item 155052:	
Sub 1	Actual value per pound not exceeding \$20.00, see Note, item 155053, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 5	200
Sub 3	5 but less than 15	92.5
Sub 4	15 but less than 25	70
Sub 5	25 but less than 35	65
Sub 6	35 or greater.....	55
Sub 7	Actual value per pound exceeding \$20.00, see Note, item 155053, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 8	Less than 5	250
Sub 9	5 but less than 15	100
Sub 10	15 but less than 25	77.5
Sub 11	25 but less than 35	70
Sub 12	35 or greater.....	60
155051	NOTE—One hand sprayer, other than plastic, or plastic having a liquid capacity of one quart or less, may be included in the same shipping container for each inner container, at the provisions applicable herein.	
155052	NOTE—Insecticides or fungicides may be shipped in pails as provided for in Item 258 except that the gross weight may be increased to 62 pounds in 5-gallon size.	
155053	NOTE—Shipper must certify on shipping orders and bills of lading at time of shipment the actual value per pound of the property or the value group embracing the actual value per pound of the property. If the shipper fails to so certify the actual value, shipment will not be accepted, but if the shipment is inadvertently accepted, class will initially be assessed on the basis of the highest valuation provided. Upon proof of lower actual value, class will be adjusted accordingly.	

SUBJECT 13

Present Classification Provisions — Concluded

Item	Description	Class
155054	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
187120	Traps , animal, bird, fish or insect, NOI, including Electric Insect-Killing Devices , in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60

Proposed Classification Provisions

Item	Description	Class
	PESTICIDES GROUP: subject to item 155000	
155045	Paper , insect (paper treated with insecticides or insect repellents), etc.....	⇒Cancel; see item 155050
155047	Paper , sticky fly, in rolled tape form.....	⇒Cancel; see item 187120

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SUBJECT 13

Proposed Classification Provisions — Concluded

Item	Description	Class
	PESTICIDES GROUP: subject to item 155000	
⇒155050	Pesticides , NOI, including Defoliants, Fungicides, Herbicides or Insecticides , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 155054 and NEW, in bags, boxes, drums, pails, intermediate bulk containers (IBCs) or Package 2479, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
155051	NOTE—⇒Cancel; no further application.	
155052	NOTE—⇒Cancel; no further application.	
155053	NOTE—⇒Cancel; no further application.	
155054	NOTE—No Change.	
⇒NEW	NOTE—Also applies on paper treated or impregnated with insecticides or insect repellents.	
187120	Traps , animal, bird, fish or insect, NOI, including ⇒ Flypaper or Electric Insect-Killing Devices , in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60

SUBJECT 13

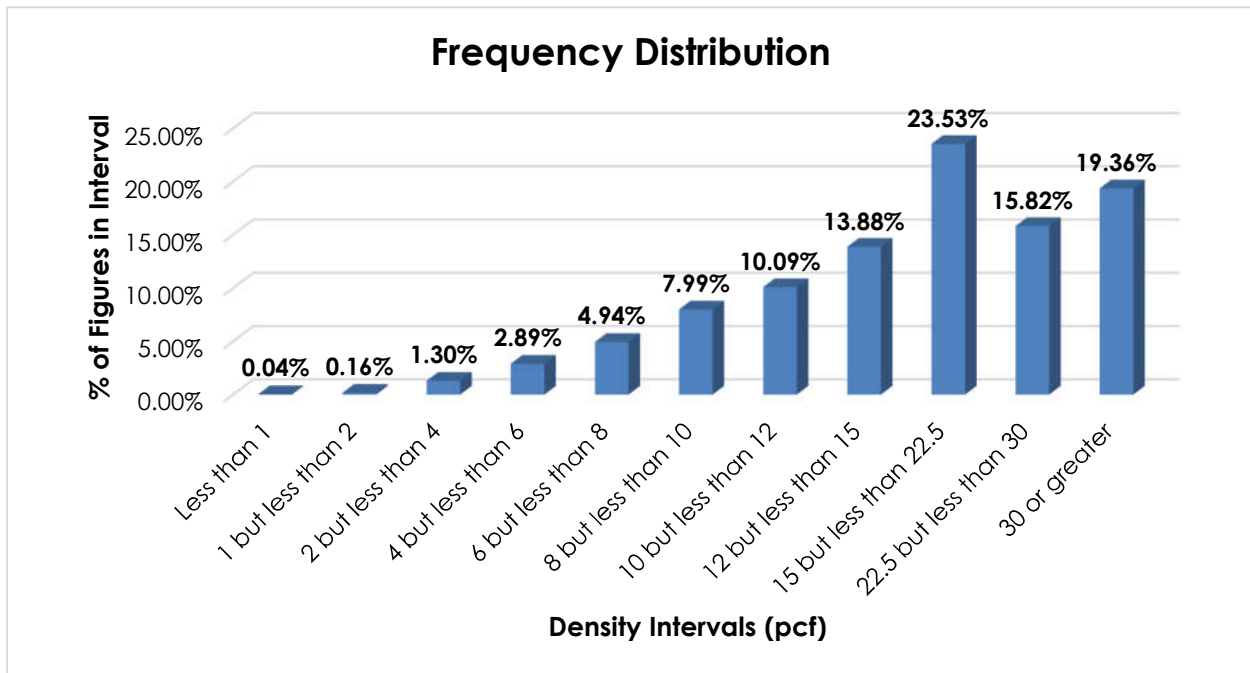
Analysis

Introduction

This proposal is based on the information developed through Research Project 1502, which was initiated to review the transportation characteristics of insect paper or flypaper, as embraced by items 155045 and 155047, respectively. During the course of research, the project was expanded to include pesticides, NOI, as named in item 155050.

Transportation Characteristics

Density—The information of record includes 127,833 density observations obtained from the FCDC’s Density Study¹. The densities range from 0.49 to 76.80 pcf, with an overall average density of 20.13 pcf. As shown in the graph below, the densities are left-skewed but widely distributed throughout the range.



Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 13**Conclusion**

Based on the foregoing analysis, item 155047 would be canceled with reference to the full-scale, density-based provisions of item 187120², and the description of item 187120 would be amended to include “Flypaper.”

Additionally, item 155045 would be canceled with reference to item 155050. Concurrently, item 155050 would be amended to provide the FCDC’s standard 11-subprovision density scale³. A new attendant Note would be established to clarify the application of item 155050, and Notes, items 155051 and 155053 would be canceled with no further application.

Moreover, to ensure that the commodities are adequately protected so as to withstand the normal rigors of the less-than-truckload environment, and pursuant to the recommendation of the FCDC’s Packaging Manager, crates would be removed from, and intermediate bulk containers (IBCs) would be added to, the minimum packaging requirements of item 155050. References to Packages 602, 2257 and 2341 would also be removed, and Note, item 155052 would be canceled with no further application.

² Item 187120 provides the FCDC’s standard 11-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.

³ The FCDC’s standard 11-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 14

Re: Carts, Wagons or Wheeled Trays, food or beverage preparation, serving or vending — Items 81570 and 188950

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
81570	Serving Wagons, Carts or Trays, wheeled, household, with or without cooling or heating devices:	
Sub 1	Steel, completely disassembled, in Packages 1F, 3F, 5F or 25F	85
Sub 2	NOI:	
Sub 3	SU, in Packages 1F, 3F, 5F, 21F or 22F.....	125
Sub 4	KD, in Packages 1F, 3F, 5F or 25F.....	100
	VEHICLES, OTHER THAN SELF-PROPELLED: subject to item 188500	
188950	Carts or Wagons, food or beverage preparation, serving or vending, commercial or institutional, with or without cooking, cooling or serving equipment, in packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	250
Sub 2	6 or greater	100

Proposed Classification Provisions

Item	Description	Class
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
81570	Serving Wagons, Carts or Trays, wheeled, household, with or without cooling or heating devices, etc.....	⇒Cancel; see item NEW
	VEHICLES, OTHER THAN SELF-PROPELLED: subject to item 188500	
188950	Carts or Wagons, food or beverage preparation, serving or vending, commercial or institutional, with or without cooking, cooling or serving equipment, etc.....	⇒Cancel; see item NEW

SUBJECT 14

Proposed Classification Provisions — Concluded

Item	Description	Class
	VEHICLES, OTHER THAN SELF-PROPELLED: subject to item 188500	
⇒NEW	Carts, Wagons or Wheeled Trays, food or beverage preparation, serving or vending, with or without cooking, cooling or heating devices or equipment, in boxes or crates:	
Sub 1	Greatest dimension exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4	400
Sub 3	4 but less than 6	250
Sub 4	6 or greater.....	150
Sub 5	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 4	300
Sub 7	4 but less than 6	200
Sub 8	6 or greater.....	125

Analysis

Introduction

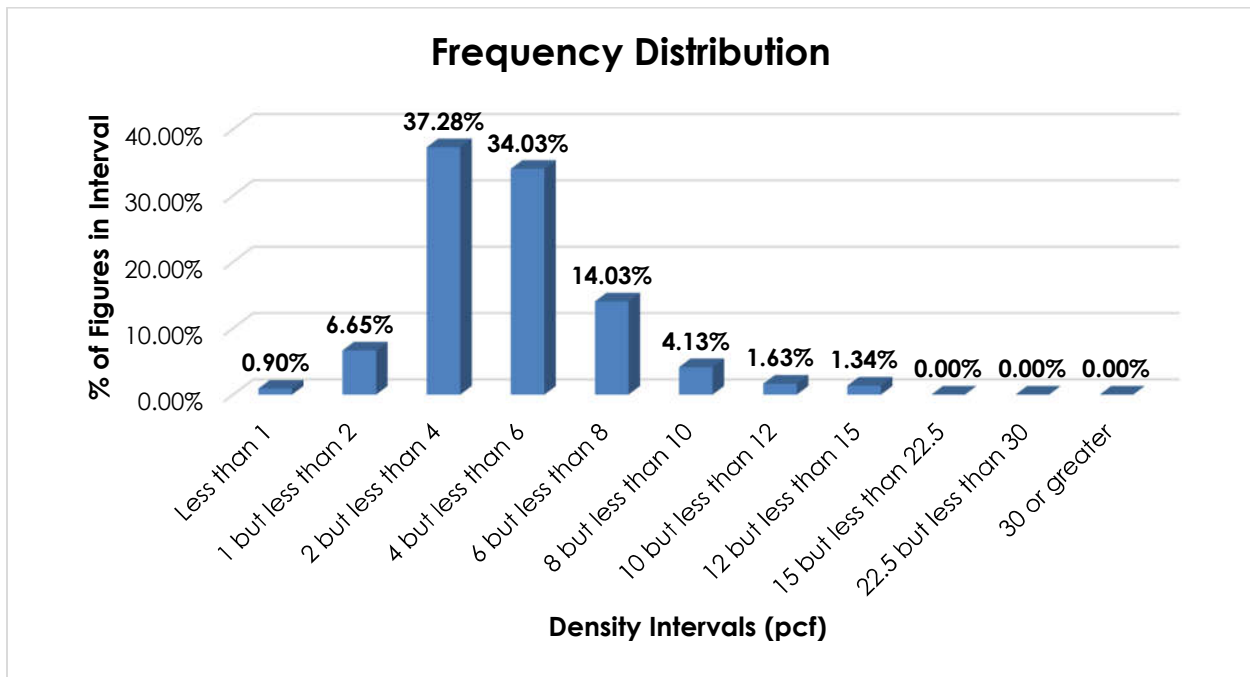
This proposal is in response to indications that the current provisions of items 81570 and 188950, as shown in the Present Classification Provisions herein, are not consistent with the transportation characteristics of the involved products and may present interpretation issues.

Transportation Characteristics

Density—The information of record includes 8,345 density observations submitted by a carrier and obtained from the FCDC’s Density Study¹. The densities range from 0.51 to 14.33 pcf, with an overall average density of 4.58 pcf. As shown in the graph on the following page, the density distribution is right-skewed, with nearly 79% of the figures less than 6 pcf. Density breaks at 4 and 6 pcf address the modality and distribution of the data.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 14



When the data is evaluated based on the proposed density breaks at 4 and 6 pcf, the density ranges and averages shown in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 4	0.51 – 3.99	2.74
4 but less than 6	4.00 – 5.99	4.94
6 or greater	6.00 – 14.33	7.91

Handling—The involved commodities vary greatly in size, with reported lengths² up to 147 inches (12.25 feet). As the length/size increases, the handling into and out of the vehicle becomes considerably more difficult, and certain equipment, or additional personnel, may be necessary to safely handle long/large handling units. Furthermore, as the length/size increases, cross-dock operations can be significantly affected. Often there is not enough room at carrier facilities to safely or easily handle and maneuver excessively long/large units.

The involved carts, wagons or wheeled trays are generally tendered in boxes secured on lift truck skids or pallets, or in crates. When tendered secured to lift truck skids or pallets, or in crates, the freight may be handled more readily with mechanical equipment since there is clearance for the fork tines to get under and lift them. However, when greatest dimension exceeds 96 inches, even palletized or crated shipments can be difficult to safely handle with mechanical equipment. The level of difficulty increases as the length/size of the article increases, even if fork extensions are available and used.

² While the proposed provisions are based on greatest dimension, the information of record shows that the largest dimension for most handling units of the involved commodities is the length.

SUBJECT 14

Stowability—When the involved commodities are tendered in boxes or crates, a flat load-bearing surface for top freight and lateral support for adjacent freight will generally be present. However, excessively long/large handling units may be difficult to stow with other general freight and will typically require floor loading. This makes it more difficult and time consuming for the carrier to properly structure the load and maximize vehicle utilization.

Liability—There is no indication that the involved carts, wagons or wheeled trays are unusually susceptible to damage, or likely to damage other freight, when tendered in boxes or crates.

Conclusion

Based on the foregoing analysis, items 81570 and 188950 would be canceled with reference to a new item, naming “Carts, Wagons or Wheeled Trays, food or beverage preparation, serving or vending, with or without cooking, cooling or heating devices or equipment.” As proposed, the new item would have classes predicated on greatest dimension and density³. Due to the identified negative handling and stowability characteristics, this proposal would assign classes higher than those called for under FCDC’s density guidelines as greatest dimension increases. The table below shows the associated average densities for each density group and respective proposed classes based on greatest dimension.

Density Group (pcf)	Average Density (pcf)	Class When Greatest Dimension Does Not Exceed 96”	Class Adjustment When Greatest Dimension Exceeds 96”
Less than 4	2.74	300	400
4 but less than 6	4.94	200	250
6 or greater	7.91	125	150

³ The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 15

Re: Wheels or Wheel Blanks

Contact: Adam C. Mercer Telephone — (703) 838-1911 mercer@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	AUTOMOBILE PARTS GROUP: subject to item 17800	
20020	Wheel Parts , steel, see Notes, items 20021 and 20022, viz.: Bases , tire; Bands ; Clamps , rim; Discs ; Felloes ; Flanges ; Flanges , hub; Locks , tire bead; Rims ; Rings , side or locking; Wedges , rim; In boxes.....	60
20021	NOTE—Provisions do not apply on assembled or one-piece automobile wheels. For provisions applicable to assembled or one-piece automobile wheels, see item 197592, 'Wheels, NOI, requiring or suitable for use with tires.'	
20022	NOTE—Not Involved. PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
157230	Tires , pneumatic, other than mounted on wheels, see Notes, items 157231 and 157234.....	110
157231	NOTE—For provisions applicable to pneumatic tires mounted on wheels, see items 12420, 197590, 197592 and 197597, with the final determination of item dependent upon the involved wheel and tire combination.	
157234	NOTE—Not Involved.	
197240	WHEELS OR WHEEL BLANKS:	
197260	Wheel Blanks , built-up wood, in boxes or crates	70
197270	Wheel Blanks , cog, gear, pinion or sprocket:	
Sub 1	Brass or bronze, rough cast, or machine finished but with teeth uncut, in boxes or crates	77.5
Sub 2	Iron cast or forged and fiber combined, not further finished than rough machined, in packages	77.5
Sub 3	Iron, not further finished than rough machined	60
Sub 4	Iron, with machine finish but with teeth uncut	70
197330	Wheel Blanks , iron or steel, NOI, cast or forged, not further finished than rough machined.....	60

SUBJECT 15

Present Classification Provisions — Continued

Item	Description	Class
	WHEELS OR WHEEL BLANKS: subject to item 197240	
197337	Wheels, cog, gear, pinion or sprocket:	
Sub 1	Brass or bronze, in boxes, crates or drums	92.5
Sub 2	Fiber or plastic, with or without hubs, in boxes or drums	100
197339	Wheels, cog, gear or pinion, iron or steel, in packages.....	65
197350	Wheels, bogie or idler, NOI, army tractor tank, see Note, item 197352.....	70
197352	NOTE—Will also apply on rubber tired bogie or idler wheels but not on rubber tires mounted on steel rims or bases.	
197390	Wheels, caster, in bags, boxes or drums; or loose if diameter is 12 inches or over.....	65
197417	Wheels, horse-drawn vehicle:	
Sub 1	Wire, in boxes or crates	150
Sub 2	Iron or steel, NOI	85
197440	Wheels, idler, crawler-type tractor, other than army tractor tank, iron or steel, in packages.....	65
197460	Wheels, irrigation pipeline, spoke type, aluminum:	
Sub 1	SU	500
Sub 2	Taken apart, sections nested, see Note, item 197462	300
197462	NOTE—Item 110, Sec. 13(a), will govern, except that the words 'two or more' may be substituted for 'three or more.'	
197465	Wheels, irrigation pipeline, spoke type, iron or steel:	
Sub 1	SU	500
Sub 2	In half sections, sections nested, see Note, item 197462.....	300
Sub 3	Rims removed and nested and hub-spoke sections taken apart and spokes interlaced.....	300
197480	Wheels, motorcycle or motorcycle sidecar, in boxes or crates	125
197520	Wheels, roller skate, composition with metal race, in boxes	85
197560	Wheels, toy vehicle, rubber or composition, other than hollow molded, in boxes.....	70
197583	Wheels, NOI, not requiring nor suitable for use with tires:	
Sub 1	Brass or bronze, in boxes, crates or drums	92.5
Sub 2	Iron or steel, further finished than hubs machined, with or without bearings, lubricators or bearing races, see Note, item 197586.....	77.5
Sub 3	Iron or steel, not machined or not further finished than hubs machined, with or without lubricators or bearing races, see Note, item 197586	70
Sub 4	Wooden:	
Sub 5	Loose.....	150
Sub 6	In boxes or crates.....	100
197586	NOTE—Also applies on the following accompanying wheel attachments: bolts, nuts, lugs, rings, hub extensions, counterweights, rims, rim tools, hubcaps, wrenches or hub and drum assembly.	

SUBJECT 15

Present Classification Provisions — Concluded

Item	Description	Class
	WHEELS OR WHEEL BLANKS: subject to item 197240	
197590	Wheels , spoked, with or without tires, other than automobile, motorcycle, motorcycle sidecar or agricultural implement wheels, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8.....	200
Sub 2	8 or greater	85
197592	Wheels , NOI, requiring or suitable for use with tires, with mounted tires or without tires, see Note, item 197586:	
Sub 1	Metal, other than iron or steel, or metal combined with iron or steel, in boxes, see Note, item 197593.....	85
Sub 2	Iron, steel or wood.....	70
197593	NOTE—Wheels over 10 inches in diameter may be shipped loose.	
197597	Wheels , NOI, or Wheel Blanks , plastic, other than hollow molded, in boxes:	
Sub 1	Without tires.....	100
Sub 2	With mounted tires.....	70

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SUBJECT 15

Proposed Classification Provisions

Item	Description	Class
	AUTOMOBILE PARTS GROUP: subject to item 17800	
20020	Wheel Parts , steel, see Notes, items 20021 and 20022, etc	No Change
20021	NOTE—Provisions do not apply on assembled or one-piece automobile wheels. For provisions applicable to assembled or one-piece automobile wheels, see item ⇨A-NEW.	
20022	NOTE—No Change.	
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
157230	Tires , pneumatic, other than mounted on wheels, see Notes, items 157231 and 157234.....	No Change
157231	NOTE—For provisions applicable to pneumatic tires mounted on wheels, see items 12420 and ⇨A-NEW, with the final determination of item dependent upon the involved wheel and tire combination.	
157234	NOTE—No Change.	
197240	WHEELS OR WHEEL BLANKS: ⇨Cancel; no further application.	
⇨A-NEW	Wheels or Wheel Blanks , NOI, see Note, item B-NEW, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
⇨B-NEW	NOTE—Applies on wheels or wheel blanks whether or not requiring or suitable for use with tires, and whether or not with tires mounted.	

SUBJECT 15

Proposed Classification Provisions — Continued

Item	Description	Class
	WHEELS OR WHEEL BLANKS: subject to item 197240	
197260	Wheel Blanks , built-up wood, etc	⇒Cancel; see item A-NEW
197270	Wheel Blanks , cog, gear, pinion or sprocket, etc	⇒Cancel; see item A-NEW
197330	Wheel Blanks , iron or steel, NOI, etc	⇒Cancel; see item A-NEW
197337	Wheels , cog, gear, pinion or sprocket, etc	⇒Cancel; see item A-NEW
197339	Wheels , cog, gear or pinion, iron or steel, etc	⇒Cancel; see item A-NEW
197350	Wheels , bogie or idler, NOI, army tractor tank, etc.....	⇒Cancel; see item A-NEW
197352	NOTE—⇒Cancel; no further application.	
197390	Wheels , caster, etc.....	⇒Cancel; see item A-NEW
197417	Wheels , horse-drawn vehicle, etc.....	⇒Cancel; see item A-NEW
197440	Wheels , idler, crawler-type tractor, other than army tractor tank, iron or steel, etc	⇒Cancel; see item A-NEW
197460	Wheels , irrigation pipeline, spoke type, aluminum, etc	⇒Cancel; see item A-NEW
197462	NOTE—⇒Cancel; no further application.	
197465	Wheels , irrigation pipeline, spoke type, iron or steel, etc.....	⇒Cancel; see item A-NEW
197480	Wheels , motorcycle or motorcycle sidecar, etc	⇒Cancel; see item A-NEW
197520	Wheels , roller skate, composition with metal race, etc	⇒Cancel; see item A-NEW
197560	Wheels , toy vehicle, rubber or composition, other than hollow molded, etc	⇒Cancel; see item A-NEW
197583	Wheels , NOI, not requiring nor suitable for use with tires, etc.....	⇒Cancel; see item A-NEW
197586	NOTE—⇒Cancel; no further application.	
197590	Wheels , spoked, with or without tires, other than automobile, motorcycle, motorcycle sidecar or agricultural implement wheels, etc	⇒Cancel; see item A-NEW
197592	Wheels , NOI, requiring or suitable for use with tires, with mounted tires or without tires, etc.....	⇒Cancel; see item A-NEW
197593	NOTE—⇒Cancel; no further application.	

SUBJECT 15

Proposed Classification Provisions — Concluded

Item	Description	Class
197597	<p>WHEELS OR WHEEL BLANKS: subject to item 197240 Wheels, NOI, or Wheel Blanks, plastic, other than hollow molded, etc</p>	⇒Cancel; see item A-NEW

Analysis

Introduction

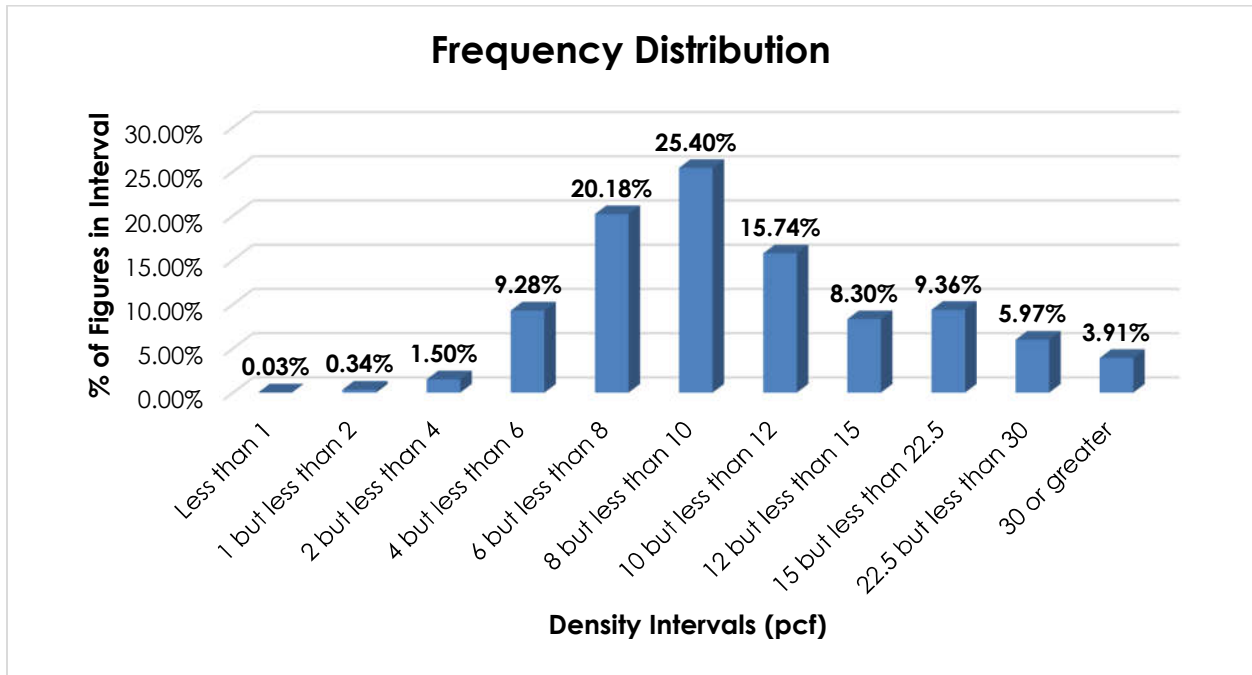
This proposal is based on the information developed through Research Project 1485, which was initiated to review the transportation characteristics of wheels, NOI, as embraced by item 197592. The project was later expanded to include the entirety of the Wheels or Wheel Blanks generic heading, item 197240, that names various types of wheels or wheel blanks. These provisions can be difficult to interpret, apply or verify. Moreover, the involved commodities exhibit a wide range of densities. The transportation characteristics below relate to items 197260, 197270, 197330, 197337, 197339, 197350, 197390, 197417, 197440, 197460, 197465, 197480, 197520, 197560, 197583, 197590, 197592 and 197597, as shown in the Present Classification Provisions herein.

Transportation Characteristics

Density—The information of record includes 54,309 density observations submitted by carriers and obtained from the FCDC’s Density Study¹. The densities range from 0.47 to 37.21 pcf, with an overall average density of 11.61 pcf. As shown in the graph on the following page, the density distribution is center-peaked, with figures distributed throughout the range.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 15



Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

Conclusion

Based on the foregoing analysis, this proposal would cancel items 197260, 197270, 197330, 197337, 197339, 197350, 197390, 197417, 197440, 197460, 197465, 197480, 197520, 197560, 197583, 197590, 197592 and 197597 with reference to a new item, naming “Wheels or Wheel Blanks, NOI,” with classes predicated on the FCDC’s standard 11-subprovision density scale².

A new attendant Note would be established to clarify the application of the new item.

Notes, items 197352, 197462, 197586 and 197593 would be canceled as having no further application, as would the generic heading, item 197240.

Notes, items 20021 and 157231 would be amended for clarification.

The FCDC’s Packaging Manager has reviewed the proposed minimum packaging requirements, i.e. “in boxes or crates,” and determined that they are appropriate for the LTL environment.

² The FCDC’s standard 11-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 16

Re: Radiators, heating or cooling

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP: subject to item 25400	
26800*	Radiators , air heating or cooling, in boxes, crates or Package 1065:	
Sub 1	Aluminum, copper, brass or bronze	100
Sub 2	Iron or steel combined with other metal	85
26840	Radiators , hot water, steam or exhaust gas, iron, NOI; also tubular gas radiators.....	60
26860	Radiators , hot water or steam, with or without air filters, enclosed in cabinets or housings; or Windowsill Height Radiator or Ventilator Units; in boxes or crates	85
26865	Radiators , portable, electric, oil filled, see Note, item 26867, in boxes having a density in pounds per cubic foot of 15 or greater	70
26867	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, charges will initially be assessed under the provisions of item 62220, sub 1, naming 'Heaters, electric, portable, having a density in pounds per cubic foot of less than 10.' Upon satisfactory proof of actual density, freight charges will be adjusted accordingly.	
26880	Radiators , steam, electric, in boxes or crates	85
	ELECTRICAL EQUIPMENT GROUP: subject to item 60500	
62220	Heaters , portable, NOI, with or without blowers or fans, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10	150
Sub 2	10 or greater	85

*Published in Supplement 1 to NMF 100-AV, effective April 9, 2022.

Package 1065

In three-piece fiberboard boxes consisting of a tube and two end caps. Tube must overlap not less than 1 1/4 inches and be secured as specified in Item 222, Sec. 2. Caps must be inserted into box body not less than 2 inches and closed by paper tape extending not less than 3 inches down sides of box body.

For gross weights not exceeding 15 pounds, boxes must be made of fiberboard complying with Item 222, Secs. 2 and 3, for boxes testing not less than 200 pounds and dimensions may be increased to 105 united inches. For gross weights not exceeding 110 pounds, boxes must be made of fiberboard complying with Item 222, Secs. 2 and 3, for boxes testing not less than 275 pounds and dimensions may be increased to 165 united inches.

SUBJECT 16

Proposed Classification Provisions

Item	Description	Class
	BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP: subject to item 25400	
26800	Radiators , air heating or cooling, etc	⇒Cancel; see item A-NEW
⇒A-NEW	Radiators , heating or cooling, NOI, or Unit Ventilators , see Note, item B-NEW, in boxes or crates:	
Sub 1	Greatest dimension exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 6	300
Sub 3	6 but less than 12	150
Sub 4	12 or greater.....	85
Sub 5	Greatest dimension exceeding 96 inches but not exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 6	250
Sub 7	6 but less than 12	125
Sub 8	12 or greater.....	77.5
Sub 9	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 10	Less than 6	200
Sub 11	6 but less than 12	110
Sub 12	12 or greater.....	70
⇒B-NEW	NOTE—Also applies on Ceiling or Wall Panel Radiators .	
26840	Radiators , hot water, steam or exhaust gas, iron, NOI; also tubular gas radiators.....	⇒Cancel; see item A-NEW
26860	Radiators , hot water or steam, with or without air filters, enclosed in cabinets or housings; or Windowsill Height Radiator or Ventilator Units ; etc.....	⇒Cancel; see item A-NEW
26865	Radiators , portable, electric, oil filled, etc	⇒Cancel; see item 62220
26867	NOTE—⇒Cancel; no further application.	
26880	Radiators , steam, electric, etc	⇒Cancel; see item A-NEW
	ELECTRICAL EQUIPMENT GROUP: subject to item 60500	
62220	Heaters ⇒ or Radiators , portable, NOI, with or without blowers or fans, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10	150
Sub 2	10 or greater	85

SUBJECT 16

Proposed Classification Provisions — Concluded

Package 1065

⇒Cancel; no further application.

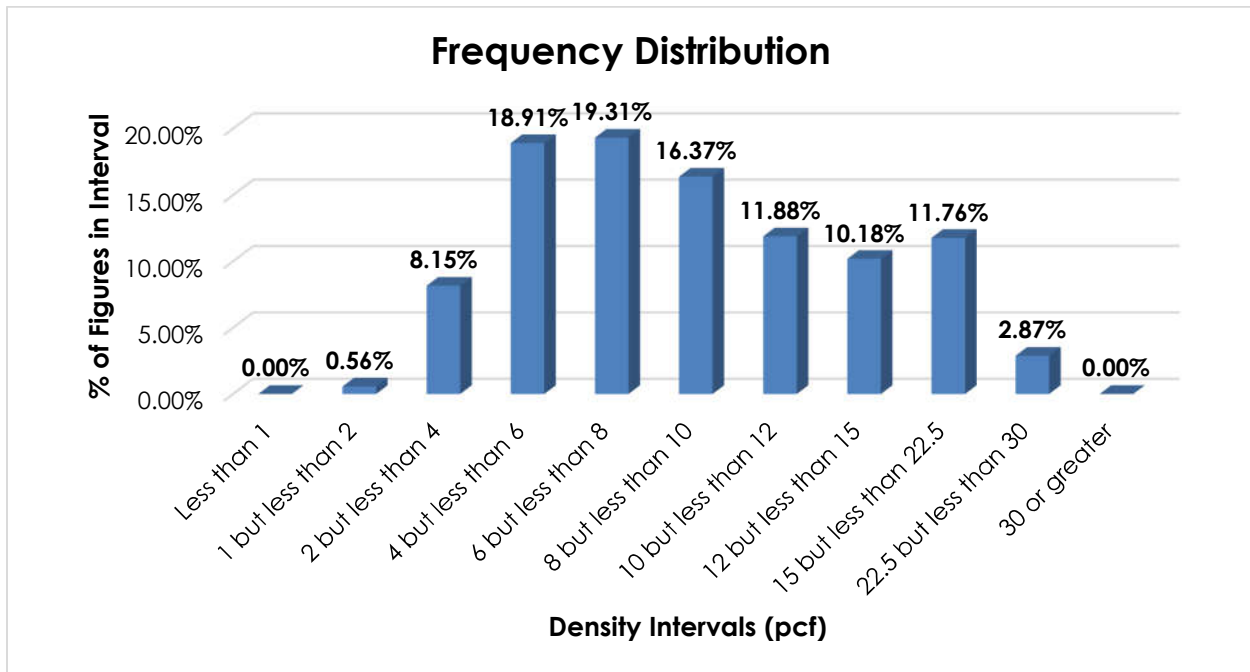
Analysis

Introduction

This proposal is based on the information developed through Research Project 1417, which was initiated to review the transportation characteristics of air heating or cooling radiators, as named in item 26800. Subsequently, research was expanded to include radiators named in items 26840, 26860 and 26880 due to identified interpretive issues.

Transportation Characteristics

Density—The information of record includes 7,653 density observations obtained from the FCDC’s Density Study¹. The densities range from 1.54 to 29.82 pcf, with an overall average density of 9.47 pcf. As shown in the graph below, there are clustered peaks between 4 and 10 pcf and lesser peaks between 10 and 22.5 pcf. Density breaks at 6 and 12 pcf reflect the modality and spread of the distribution.



¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 16

When the data is evaluated based on the proposed density breaks at 6 and 12 pcf, the density ranges and averages shown in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 6	1.54 – 5.99	4.41
6 but less than 12	6.00 – 11.99	8.64
12 or greater	12.00 – 29.82	16.70

Handling—Radiators vary greatly in size, with reported lengths² up to 244 inches (20.33 feet). As the length/size increases, the handling into and out of the vehicle becomes considerably more difficult, and certain equipment, or additional personnel, may be necessary to safely handle long/large handling units. Furthermore, as the length/size increases, cross-dock operations can be significantly affected. Often there is not enough room at carrier facilities to safely or easily handle and maneuver excessively long/large radiators.

Radiators are generally tendered in boxes secured on lift truck skids or pallets, or in crates. When tendered secured to lift truck skids or pallets, or in crates, the freight may be handled more readily with mechanical equipment since there is clearance for the fork tines to get under and lift them. However, when greatest dimension exceeds 96 inches, even palletized or crated shipments can be difficult to safely handle with mechanical equipment. The level of difficulty increases as the length/size of the article increases, even if fork extensions are available and used.

Stowability—Radiators tendered in boxes or crates will generally provide a flat load-bearing surface for top freight and lateral support for adjacent freight. However, excessively long/large handling units may be difficult to stow with other general freight and will typically require floor loading. This makes it more difficult and time consuming for the carrier to properly structure the load and maximize vehicle utilization.

Liability—There is no indication that radiators are unusually susceptible to damage, or likely to damage other freight, when tendered in boxes or crates.

Conclusion

Based on the foregoing analysis, items 26800, 26840, 26860 and 26880 would be canceled with reference to a new item, naming “Radiators, heating or cooling, NOI, or Unit Ventilators.” As proposed, the new item would have classes predicated on greatest dimension and density³. Due to the identified negative handling and stowability characteristics, this proposal would assign classes higher than those called for under FCDC’s density guidelines as greatest dimension increases. The table on the following page shows the associated average densities for each density group and respective proposed classes based on greatest dimension.

² While the proposed provisions are based on greatest dimension, the information of record shows that the largest dimension for most handling units of radiators is the length.

³ The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 16

Density Group (pcf)	Average Density (pcf)	Class When Greatest Dimension Does Not Exceed 96"	Class Adjustment When Greatest Dimension Exceeds 96" But Does Not Exceed 192"	Class Adjustment When Greatest Dimension Exceeds 192"
Less than 6	4.41	200	250	300
6 but less than 12	8.64	110	125	150
12 or greater	16.70	70	77.5	85

A new Note would be established clarifying the application of the new item.

Item 26865, naming "Radiators, portable, electric, oil filled," only applies when the density is 15 pcf or greater. Otherwise, item 62220 applies. For clarification and simplification, item 26865 would concurrently be canceled with reference to item 62220, and the description of item 62220 would be amended to also name portable electric radiators. Note, item 26867 would also be canceled as having no further application.

Package 1065 would be canceled as having no further application.

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SUBJECT 17

Re: Guards, Screens or Covers, gutter, metal

Contact: Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	BUILDING METALWORK GROUP: subject to item 35600	
36650	Guards or Screens, gutter, wire cloth with sheet steel reinforcement, in single panels, not joined one to another, in boxes.....	60

Proposed Classification Provisions

Item	Description	Class
	BUILDING METALWORK GROUP: subject to item 35600	
⇒36650	Guards, Screens or Covers, gutter, metal, in packages, see Note, item NEW:	
Sub 1	Greatest dimension exceeding 288 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 6	400
Sub 3	6 but less than 10	200
Sub 4	10 or greater.....	100
Sub 5	Greatest dimension exceeding 192 inches but not exceeding 288 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 6	300
Sub 7	6 but less than 10	175
Sub 8	10 or greater.....	92.5
Sub 9	Greatest dimension exceeding 96 inches but not exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 10	Less than 6	250
Sub 11	6 but less than 10	150
Sub 12	10 or greater.....	85
Sub 13	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 14	Less than 6	200
Sub 15	6 but less than 10	125
Sub 16	10 or greater.....	77.5
⇒NEW	NOTE—Articles tendered for shipment on lift truck skids, pallets or platforms must be securely fastened to and must not overhang the edges of the lift truck skid, pallet or platform deck. Exposed surfaces and edges must be completely wrapped with plastic film or corrugated fiberboard or protected by wood or similar material.	

SUBJECT 17

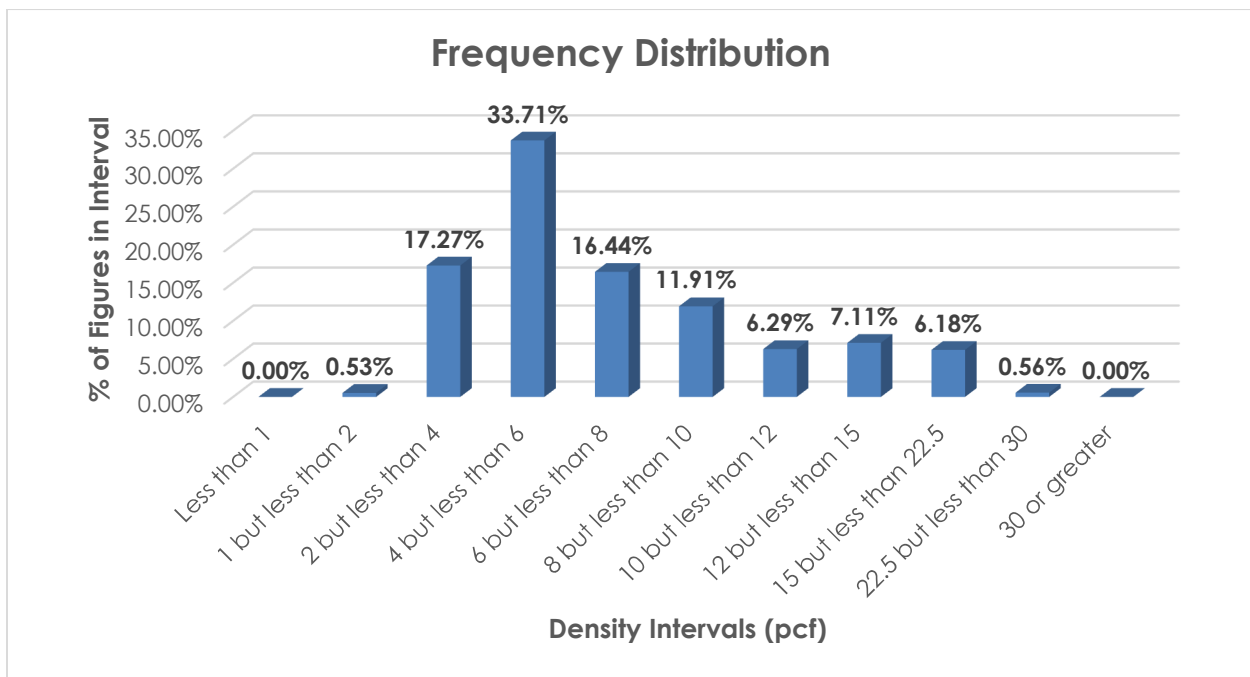
Analysis

Introduction

This proposal is based on the information developed through Research Project 1505, which was initiated to review the transportation characteristics of gutter guards or screens. The involved products are also commonly referred to as gutter covers.

Transportation Characteristics

Density—The information of record includes 6,825 density observations submitted by a carrier and obtained from the FCDC’s Density Study¹. The densities range from 1.30 to 23.69 pcf, with an overall average density of 7.35 pcf. As shown in the graph below, the density distribution is skewed right. There is a distinct peak in the 4 but less than 6 pcf interval, and a relatively uniform distribution between 10 and 22.5 pcf. Density breaks at 6 and 10 pcf address the spread and modality of the distribution.



When the data is evaluated on the basis of the three proposed density groupings to reflect the distribution of densities, the ranges and averages on the following page are calculated.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 6	1.30 – 5.99	4.36
6 but less than 10	6.00 – 9.99	7.74
10 or greater	10.00 – 23.69	14.44

Handling—When not exceeding 96 inches in greatest dimension, the involved products may be tendered in boxes secured on lift truck skids or pallets, but as greatest dimension increases, the commodities are typically tendered in packages. When not exceeding 96 inches in greatest dimension, the involved articles do not appear to have any significant handling issues. However, these commodities vary greatly in size, and research shows that many of these products exceed 96 inches (8 feet) in greatest dimension², with some exceeding 288 inches (24 feet). As greatest dimension increases, the handling into and out of the vehicle becomes considerably more difficult, and specialized equipment, or additional personnel, may be necessary to safely handle longer units. Furthermore, as greatest dimension increases, cross-dock operations can be significantly affected. Often there is not enough room at carrier facilities to safely or easily handle and maneuver excessively long handling units.

Stowability—When the involved articles do not exceed 96 inches in greatest dimension, they typically do not present significant or unusual stowability issues. Handling units exceeding 96 inches in greatest dimension are more difficult to stow with other general freight, particularly as they may lack a flat load-bearing surface for top freight. Due to the commodities' size and configuration, it may be difficult to stow adjacent freight. These factors reduce or complicate the carrier's ability to maximize vehicle utilization. These products may also have protrusions or edges that can potentially be damaged or damage adjacent freight. These factors can make it more difficult and time consuming for the carrier to properly structure the load. Furthermore, for the longest gutter guards, screens or covers, the carrier will have to ensure that the freight will fit in the vehicle.

Liability—The involved articles are not perishable nor hazardous in nature. Shipments of these commodities not adequately protected by packaging materials, or that overhang the lift truck skid or pallet, are more liable to damage, such as bending, denting and scuffing. Also, if not properly stowed within the vehicle, they can potentially damage other freight.

Conclusion

Based on the foregoing analysis, item 36650 would be amended to read, "Guards, Screens or Covers, gutter, metal," and would provide classes predicated on greatest dimension and density, with breaks at 6 and 10 pcf³. The table on the following page shows the average densities and minimum average density guidelines for each density group, the guideline classes, and class adjustments as greatest dimension increases.

² Item (Rule) 568, "Heavy or Bulky Freight—Loading or Unloading," employs the threshold limit of exceeding 8 feet (96 inches) in greatest dimension as the measurement at which freight becomes more difficult to load and unload when compared to general boxed freight.

³ The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 17

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines When Greatest Dimension Does Not Exceed 96"	Class Adjustment When Greatest Dimension Exceeds 96" But Does Not Exceed 192"	Class Adjustment When Greatest Dimension Exceeds 192" But Does Not Exceed 288"	Class Adjustment When Greatest Dimension Exceeds 288"
Less than 6	4.36	4	200	250	300	400
6 but less than 10	7.74	7	125	150	175	200
10 or greater	14.44	13.5	77.5	85	92.5	100

A new attendant Note would be established to provide additional packaging requirements. The FCDC's Packaging Manager has reviewed the proposed minimum packaging requirements and determined that they are appropriate for the LTL environment.

SUBJECT 18

Re: Items (Rules) 245 and 680 — Definition of and Construction Requirements for Crates

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Proposed Classification Provisions

It is proposed to amend Item 245, Definition of or Specifications for Crates, and Item 680, Packing or Packaging—General, to read as follows:

ITEM 245***DEFINITION OF OR SPECIFICATIONS FOR CRATES**

Crates are six-sided containers constructed of wood or metal slats or structural members with apertures between, securely nailed, bolted, screwed, riveted or welded together, of sufficient design and strength to fully enclose and hold contents so as to withstand the normal rigors of the less-than-truckload environment. Crates must be constructed with slats or members sufficiently close to one another to adequately protect contents on the sides, ends, tops and bottoms, but vertical or horizontal openings on sides and ends must not exceed 18 inches. Bottom must be constructed so as to adequately protect article(s) from underside damage caused by fork handling equipment or pallet jacks, and to prevent article(s) from falling through the slats or members. Contents must be securely held within crates and no part shall protrude, unless otherwise provided in individual items. Surfaces liable to be damaged must be fully covered and protected. All moveable contents within the crate must be blocked and/or braced to prevent any shifting during transportation. Commodities with legs must be suspended away from all edges of the crate by at least one inch. If the weight of the commodity exceeds 500 pounds, a standard crate must be used instead of a wirebound crate.

Wooden crates, other than wirebound crates, must be constructed as follows:

(1) Lumber must be seasoned, reasonably sound, and free from cross grain and knots which would interfere with nails, bolts or screws, or knots which are greater than $\frac{1}{3}$ the width of the lumber.

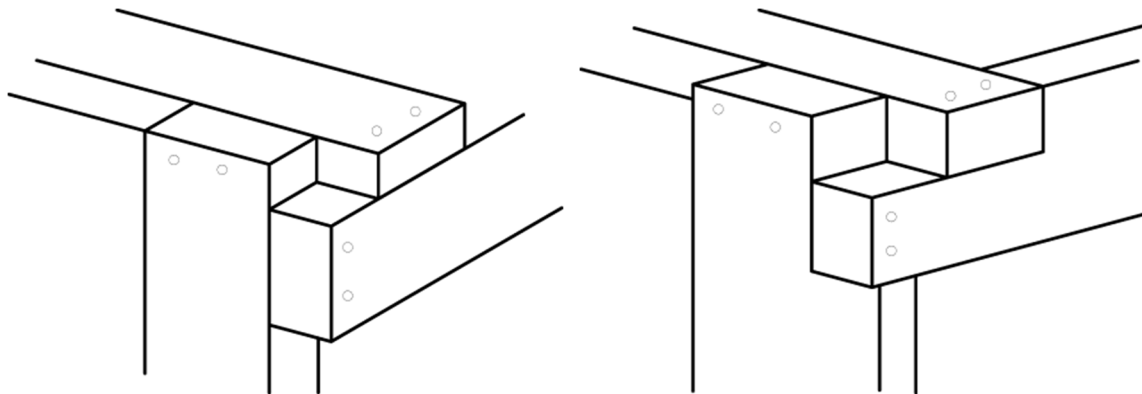
(2) Crates must be constructed with outer framework consisting of upright and horizontal members and with additional diagonal upright and horizontal members where necessary to provide proper strength and rigidity.

(3) Crates must be constructed with three-way locking corners, where members will be joined with nails, bolts or screws driven into side grain of joining members. Examples are shown below:

*Published in Supplement 1 to NMF 100-AV, effective April 9, 2022.

SUBJECT 18

Proposed Classification Provisions — Concluded



(4) All joining crate members must be fastened by double nailing, ⇨bolting or screwing.

(5) Crates must be designed and constructed with transverse cross-members at base sufficient in strength to protect underside of article from damage by mechanical handling equipment.

(6) Structural panels, including plywood, oriented strand board (OSB), and waferboard, must be manufactured with exterior glue.

[REMAINDER OF ITEM—NO CHANGE.]

ITEM 680**

Secs. 1-4. No Change.

Definitions of the Terms 'In Packages' and 'Loose'

Sec. 5. (a) When the term 'in packages' is provided in connection with the separate descriptions of articles, such articles will be accepted for transportation in any container or in any other form tendered to carrier which will permit handling into or out of vehicles as units, provided such containers or tendered forms will render the transportation of freight reasonably safe and practicable so that it will withstand the normal rigors of the less-than-truckload environment. The term 'in packages' includes articles securely fastened to lift truck skids, pallets or platforms, unitized quantities, ⇨or articles in crate-like framework not complying with Item 245, but does not include articles 'in bulk,' 'loose,' 'on skids' or articles racked or braced in vehicles.

Secs. 5. (b)-17. No Change.

**Published in Supplement 4 to NMF 100-AV, effective December 17, 2022.

SUBJECT 18**Analysis and Conclusion**

Item 245 provides the definition of and construction requirements for crates, and has often been the source of interpretation issues, particularly when it comes to classifying freight. For articles that have provisions/classes based on packaging—e.g., in crates vs. in packages—there is often confusion as to how to classify shipments in crates that do not comply with the requirements set forth in Item 245.

Other interpretive issues regarding Item 245, such as the vague spacing requirements for the slats or structural members, exist, leaving it up to the shipper and/or carrier to determine what is sufficient. The methods of crate securement, which may once have been adequate for some freight, may no longer be sufficient for articles shipped crated today.

In order to ensure crates are properly constructed to withstand the normal rigors of the less-than-truckload environment, this proposal would clarify the requirements in Item 245 by: stating that crates must be six-sided; requiring the vertical or horizontal openings not to exceed 18 inches; amending the methods of securement; and specifying the bottom construction requirements.

For clarification purposes, Item 680, Sec. 5(a), which provides the definition of “in packages,” would be concurrently amended to state that “in packages” will also apply on articles tendered in a “crate-like framework not complying with Item 245.”

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SUBJECT 19

Re: Feeders, livestock or poultry

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	FARM EQUIPMENT GROUP: subject to item 64600	
65215	Feeders , hog, NOI, gravity feed type, stainless steel, without conveyors, in packages:	
Sub 1	SU	175
Sub 2	KD flat	70
65220	Feeders , livestock, iron or steel, conveyor type, automatic, power operated, unassembled	70
65250	Feeders , livestock, NOI, with or without troughs:	
Sub 1	SU, loose or on skids	300
Sub 2	SU, in boxes or crates.....	200
Sub 3	KD, in boxes or crates, cast iron troughs loose or in packages, see Note, item 65254	100
65254	NOTE—Feeders may also be shipped as follows: (1) Round hopper sections nested or hopper sections to be separated and smaller sections placed within largest section and wrapped with corrugated fiberboard and placed on feeder base, the top placed on or in body section. Wooden skid runners attached to feeder base and wooden battens forming a platform covering the top. Entire unit held in place by metal strapping. (2) Hoppers other than round must be in the form of panels and metal strapped to base.	
65320	Feeders , poultry, NOI, in boxes or crates:	
Sub 1	SU	200
Sub 2	KD, or taken apart, bodies nested	85
65340	Feeders , salt (Salt Holders), other than plastic, in boxes, crates or drums	70

Proposed Classification Provisions

Item	Description	Class
	FARM EQUIPMENT GROUP: subject to item 64600	
65215	Feeders , hog, NOI, gravity feed type, stainless steel, without conveyors, etc	⇒Cancel; see item NEW

SUBJECT 19

Proposed Classification Provisions — Concluded

Item	Description	Class
	FARM EQUIPMENT GROUP: subject to item 64600	
65220	Feeders , livestock, iron or steel, conveyor type, automatic, power operated, unassembled	⇒Cancel; see item NEW
65250	Feeders , livestock, NOI, with or without troughs, etc.....	⇒Cancel; see item NEW
65254	NOTE—⇒Cancel; no further application.	
⇒NEW	Feeders , livestock or poultry, including Salt Holders , with or without conveyors or troughs:	
Sub 1	In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4	300
Sub 3	4 but less than 8	175
Sub 4	8 but less than 15	92.5
Sub 5	15 or greater.....	70
Sub 6	In packages other than boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 4	400
Sub 8	4 but less than 8	200
Sub 9	8 but less than 15	100
Sub 10	15 or greater.....	77.5
65320	Feeders , poultry, NOI, etc	⇒Cancel; see item NEW
65340	Feeders , salt (Salt Holders), other than plastic, etc	⇒Cancel; see item NEW

Analysis

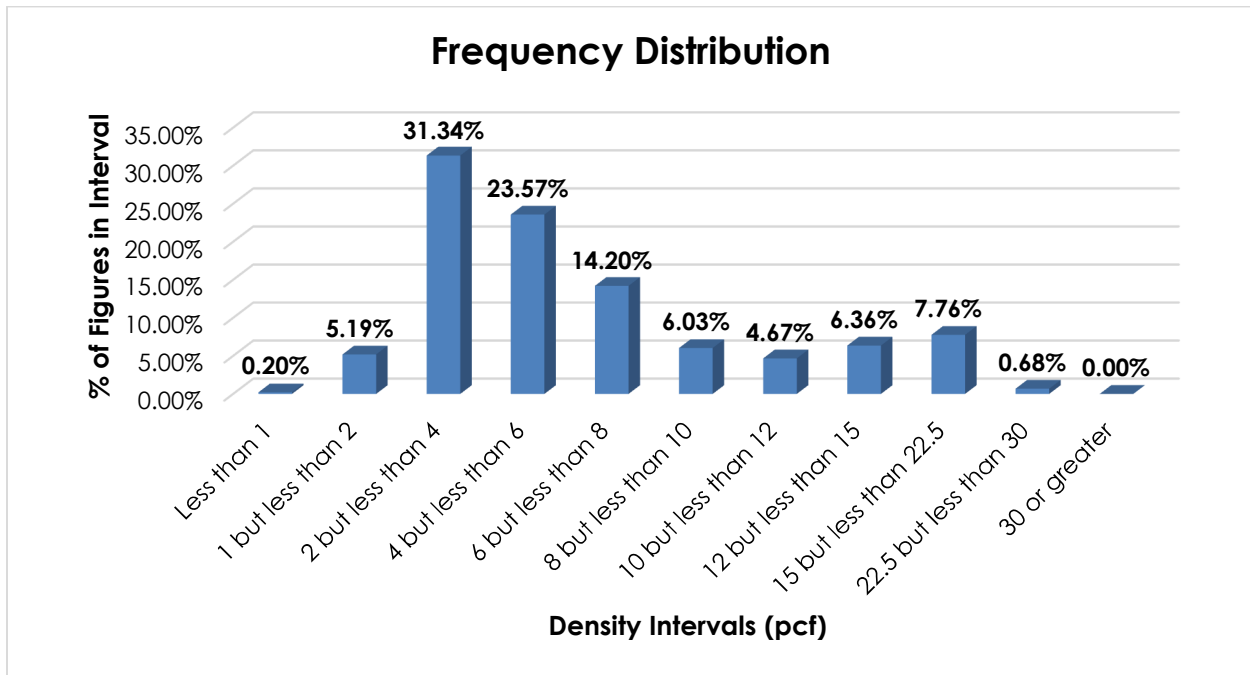
Introduction

This proposal is based on the information developed during Research Project 1509, which was initiated due to interpretation issues with the applicable subprovision for livestock feeders, NOI, as named in item 65250. Upon review of items 65215, 65220, 65320 and 65340, applying on other types of feeders under the Farm Equipment Group, it was noted that many of the provisions are unwieldy and may be difficult to properly apply.

SUBJECT 19

Transportation Characteristics

Density—The information of record includes 2,486 density observations submitted by carriers and obtained from the FCDC’s Density Study¹. The densities range from 0.91 to 24.61 pcf, with an overall average density of 6.59 pcf. As shown in the graph below, the density distribution is right-skewed, with over 74% of the figures less than 8 pcf.



When the data is evaluated based on the proposed density breaks at 4, 8 and 15 pcf, the density ranges and averages in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 4	0.91 – 3.99	2.80
4 but less than 8	4.00 – 7.99	5.67
8 but less than 15	8.00 – 14.96	11.11
15 or greater	15.03 – 24.61	18.03

Handling—The involved commodities may be shipped in boxes or crates, or in packages other than boxes or crates. Articles shipped in boxes or crates will generally not present unusual or significant handling considerations. However, when tendered in packages that provide minimal exterior protection, additional care must be taken when handling the freight so as to avoid damaging the products.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 19

Stowability—When the involved articles are tendered in boxes or crates, a flat load-bearing surface will generally be present, which would allow for other freight to be loaded on top of the handling unit. There will typically be lateral support for adjacent freight as well. When the articles are tendered in packages other than boxes or crates, they may not provide a regular load-bearing surface for top freight or lateral support for adjacent freight. Furthermore, when loading the handling unit inside the vehicle, the lack of protective packaging may limit the type of freight that may be stowed safely on top of or adjacent to the articles. This can result in increased time and effort on the part of the carrier to properly structure the vehicle load so as to mitigate the chance of damage to the products or to other freight with which stowed.

Liability—As is the case with most general commodities, when tendered for shipment fully enclosed within boxes or crates, the involved commodities should not be unusually susceptible to damage nor likely to damage other freight. However, when tendered in packages other than boxes or crates, which may offer little or no protection, these products exhibit greater susceptibility to damage and a greater propensity to damage other freight.

Conclusion

Based on the foregoing analysis, this proposal would cancel items 65215, 65220, 65250, 65320 and 65340 with reference to a new item, naming “Feeders, livestock or poultry, including Salt Holders, with or without conveyors or troughs,” with classes predicated on packaging and density, with breaks at 4, 8 and 15 pcf². The table below relates the information of record to the proposed density groupings and FCDC guidelines for the proposed classes when tendered in boxes or crates, and a one-class adjustment from the density guidelines when the articles are tendered in packages other than boxes or crates to reflect the identified negative handling, stowability and liability characteristics.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines	Class Adjustment Based on Handling, Stowability and Liability Considerations
Less than 4	2.80	2	300	400
4 but less than 8	5.67	5	175	200
8 but less than 15	11.11	10.5	92.5	100
15 or greater	18.03	15	70	77.5

Furthermore, Note, item 65254 would be canceled with no further application.

² The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 20

Re: Bottle Filling, Labeling, Rinsing, Washing, Wiring, Capping or Corking Machines — Items 115220 and 115240

Contact: Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
	Bottlers': subject to item 115200	
115220	Bottle Capping and Filling Machines combined, or Bottle Capping or Corking Machines:	
Sub 1	SU, loose or on skids	100
Sub 2	In boxes or crates.....	85
115240	Bottle Filling, Labeling, Rinsing, Washing or Wiring Machines	85

Proposed Classification Provisions

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
	Bottlers': subject to item 115200	
115220	Bottle Capping and Filling Machines combined, or Bottle Capping or Corking Machines, etc	⇒Cancel; see item 115240
⇒115240	Bottle Filling, Labeling, Rinsing, Washing, Wiring, Capping or Corking Machines:	
Sub 1	In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 7	175
Sub 3	7 or greater	100
Sub 4	In packages other than boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 7	200
Sub 6	7 or greater	110

Analysis

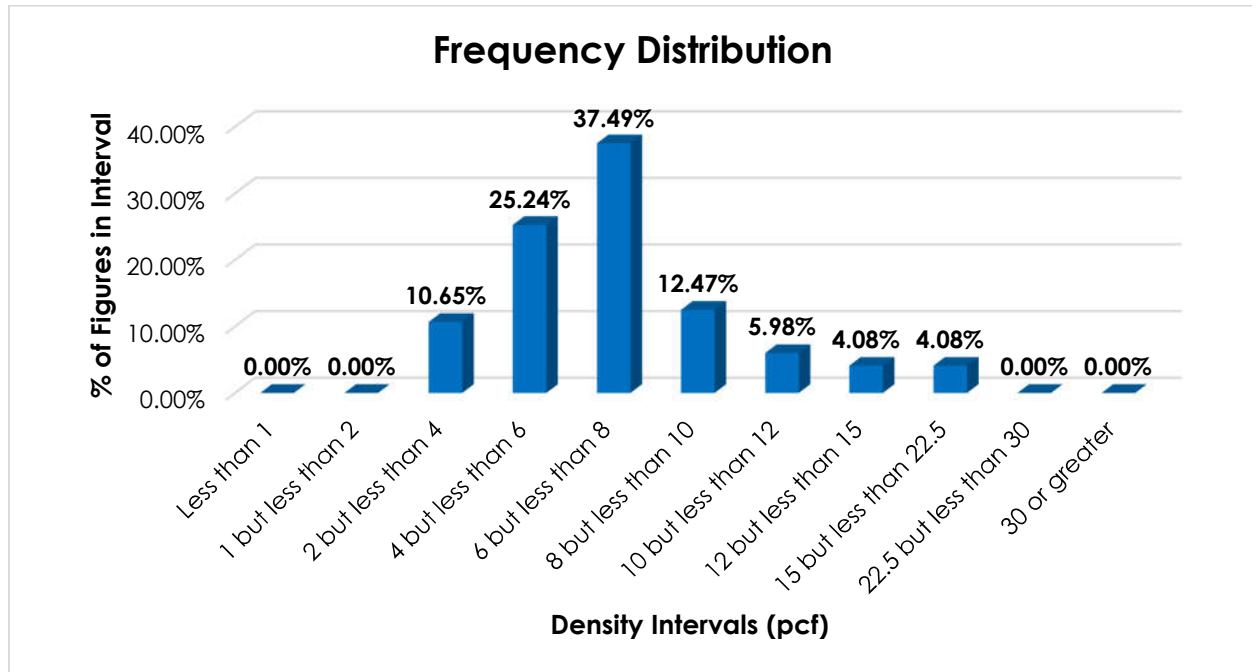
Introduction

This proposal is based on the information developed through Research Project 1512, which was initiated to review the transportation characteristics of bottle filling, labeling, rinsing, washing or wiring machines, as encompassed by item 115240. During the course of research, the project was expanded to include similar bottling equipment, as embraced by item 115220.

SUBJECT 20

Transportation Characteristics

Density—The information of record includes 1,371 density observations submitted by a carrier and obtained from the FCDC’s Density Study¹. The densities range from 2.08 to 19.91 pcf, with an overall average density of 7.13 pcf. As shown in the graph below, the density distribution is concentrated between 4 and 10 pcf. A single break at 7 pcf addresses the modality of the distribution.



When the data is evaluated based on the proposed density break at 7 pcf, the density ranges and averages shown in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 7	2.08 – 6.99	5.39
7 or greater	7.00 – 19.91	10.49

Handling—The involved commodities may be shipped in boxes or crates, or in packages other than boxes or crates. Articles shipped in boxes or crates will generally not present unusual or significant handling considerations. However, when tendered in packages that provide minimal exterior protection, additional care must be taken when handling the freight so as to avoid damaging the products.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 20

Stowability—When the involved bottling machines are tendered in boxes or crates, a flat load-bearing surface will generally be present, which would allow for other freight to be loaded on top of the handling unit. There will typically be lateral support for adjacent freight as well. When the articles are tendered in packages other than boxes or crates, they may not provide a regular load-bearing surface for top freight or lateral support for adjacent freight. Furthermore, when loading the handling unit inside the vehicle, the lack of protective packaging may limit the type of freight that may be stowed safely on top of or adjacent to the involved articles. This can result in increased time and effort on the part of the carrier to properly structure the vehicle load so as to mitigate the chance of damage to the products or to other freight with which stowed.

Liability—As is the case with most general commodities, when tendered for shipment fully enclosed within boxes or crates, the involved products should not be unusually susceptible to damage nor likely to damage other freight. However, when tendered in packages other than boxes or crates, which may offer little or no protection, these products exhibit a greater susceptibility to damage and a greater propensity to damage other freight.

Conclusion

Based on the foregoing analysis, this proposal would cancel item 115220 with reference to item 115240. Item 115240 would be amended to include “Capping or Corking Machines” in its description and to assign classes predicated on packaging and density, with a density break at 7 pcf². The table below relates the information of record to the proposed density groupings and FCDC guidelines for the proposed classes when the articles are tendered in boxes or crates, and a one-class adjustment from the density guidelines when the articles are tendered in packages other than boxes or crates to reflect the identified negative handling, stowability and liability characteristics.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines	Class Adjustment Based on Handling, Stowability and Liability Considerations
Less than 7	5.39	5	175	200
7 or greater	10.49	9	100	110

² The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 21

Re: Ice Cream Freezers (Ice Cream Makers) — Item 121400

Contact: Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
121400	Freezers, ice cream (Ice Cream Makers), hand or power operated, with or without dispensers or mechanical cooling or freezing apparatus, see Note, item 121401, in boxes or crates	77.5
121401	NOTE—Applies on hand- or power-operated machines that make ice cream or other frozen desserts such as custard, yogurt, gelato or sorbet.	

Proposed Classification Provisions

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
121400	Freezers, ice cream (Ice Cream Makers), hand or power operated, with or without dispensers or mechanical cooling or freezing apparatus, see Note, item 121401, in boxes or crates, ⇨subject to Item 170 and having a density in pounds per cubic foot of:	
⇨Sub 1	Less than 10	125
⇨Sub 2	10 but less than 15	85
⇨Sub 3	15 or greater	70
121401	NOTE—No Change.	

Analysis

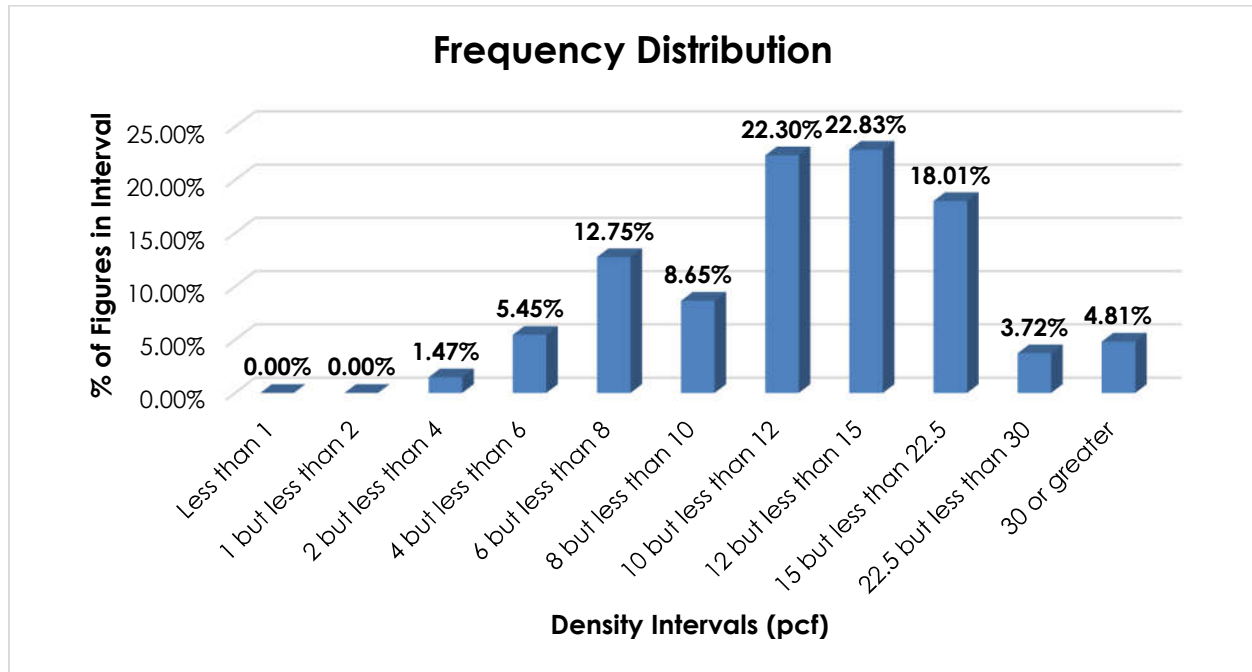
Introduction

This proposal is based on the information developed through Research Project 1513, which was initiated to review the transportation characteristics of ice cream freezers (ice cream makers), as encompassed by item 121400.

SUBJECT 21

Transportation Characteristics

Density—The information of record includes 2,659 density observations obtained from the FCDC’s Density Study¹. The densities range from 2.20 to 33.90 pcf, with an overall average density of 13.38 pcf. As shown in the graph below, the density distribution is concentrated between 10 and 22.5 pcf, with a smaller peak in the 6 but less than 8 pcf interval. Density breaks at 10 and 15 pcf address the spread and modality of the distribution.



When the data is evaluated based on the proposed density breaks at 10 and 15 pcf, the following ranges and averages emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 10	2.20 – 9.99	7.06
10 but less than 15	10.00 – 14.99	12.24
15 or greater	15.00 – 33.90	22.06

Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 21

Conclusion

Based on the foregoing analysis, this proposal would amend item 121400 to provide density breaks at 10 and 15 pcf², as shown in the table below, reflective of the respective average densities for the involved commodities.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 10	7.06	7	125
10 but less than 15	12.24	12	85
15 or greater	22.06	15	70

² The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

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SUBJECT 22

Re: Peat or Peat Moss

Contact: Ashley L. Gencarelli Telephone — (703) 838-1809 gencarelli@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
154900	Peat , NOI, ground or not ground, in packages	50

Proposed Classification Provisions

Item	Description	Class
⇒154900	Peat or Peat Moss , NOI, in bags or boxes.....	70

Analysis

Introduction

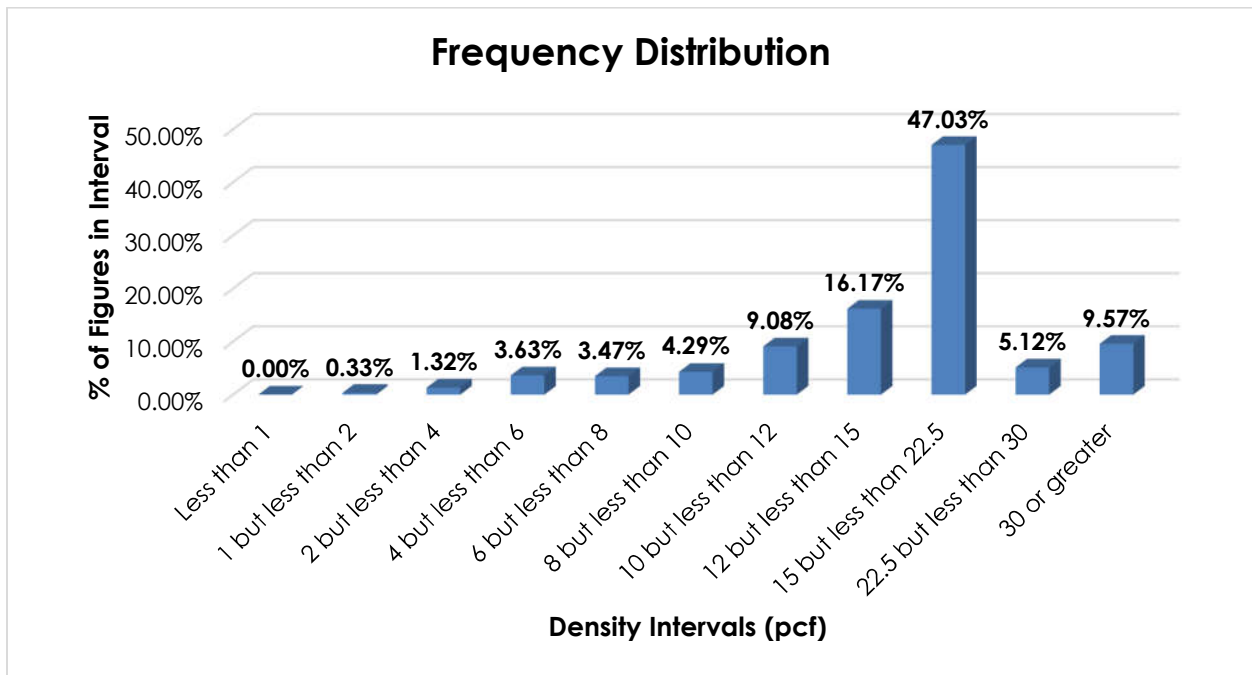
This proposal is based on the information developed through Research Project 1459, which was initiated due to interpretive issues regarding the applicable provisions for sphagnum peat moss.

Transportation Characteristics

Density—The information of record includes 606 density observations submitted by a carrier and obtained from the FCDC’s Density Study¹. The densities range from 1.82 to 44.40 pcf, with an overall average of 17.18 pcf. As shown in the graph on the following page, the density distribution is left-skewed, with almost 78% of the figures 12 pcf or greater and almost 62% of the figures 15 pcf or greater. The overall average is reflective of the distribution of densities.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 22



Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

Conclusion

Based on the foregoing analysis, and to foster clarification and address interpretive issues, this proposal would amend the description of item 154900 to read, “Peat or Peat Moss, NOI,” and would assign class 70, reflective of the average density of the involved commodities.

The FCDC's Packaging Manager has reviewed the proposed minimum packaging requirements, i.e. “in bags or boxes,” and determined that they are appropriate for the LTL environment.

SUBJECT 23

Re: Culverts, Culvert Sections or Culvert Fittings, metal

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	BUILDING MATERIALS, MISCELLANEOUS, GROUP: subject to item 33570	
34095	Culvert End Sections , flared, aluminum, with collars, rods or bands attached, SU:	
Sub 1	Nested, in nests of 6 or more, smallest inside cross-sectional dimension when assembled:	
Sub 2	24 inches or less.....	150
Sub 3	Over 24 inches	200
Sub 4	Not nested or nested in nests of less than 6, smallest inside cross-sectional dimension when assembled:	
Sub 5	24 inches or less.....	250
Sub 6	Over 24 inches	300
34100	Culvert End Sections , flared, plate or sheet steel, without collars, rods or bands attached, see Note, item 34102:	
Sub 1	SU, nested, in nests of 6 or more, smallest inside cross-sectional dimension when assembled:	
Sub 2	24 inches or less.....	85
Sub 3	Over 24 inches	92.5
Sub 4	NOI, smallest inside cross-sectional dimension when assembled:	
Sub 5	24 inches or less.....	150
Sub 6	Over 24 inches	200
Sub 7	Taken apart, sections nested	92.5
34102	NOTE—Also applies on accompanying connecting rods, lugs, nuts, toe or corner plates, providing the weight does not exceed 15 percent of the weight upon which charges are assessed.	
34140	Culvert Headwalls or Headwall Aprons , steel, 16 gauge or thicker:	
Sub 1	Not nested or other than in panels	125
Sub 2	Nested or in panels.....	85

SUBJECT 23

Present Classification Provisions — Continued

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
51020	Culverts or Pipe , aluminum, corrugated, SU, see Notes, items 51026, 51027 and 51028, diameter in inches as follows:	
51021	8 gauge or thicker:	
Sub 1	Less than 36 inches:	
Sub 2	Not nested.....	200
Sub 3	Nested.....	125
Sub 4	36 inches or over, but less than 54 inches:	
Sub 5	Not nested.....	300
Sub 6	Nested.....	150
Sub 7	54 inches or over:	
Sub 8	Not nested.....	400
Sub 9	Nested.....	200
51022	10 gauge or thicker, but thinner than 8 gauge:	
Sub 1	Less than 30 inches:	
Sub 2	Not nested.....	200
Sub 3	Nested.....	125
Sub 4	30 inches or over, but less than 48 inches:	
Sub 5	Not nested.....	300
Sub 6	Nested.....	150
Sub 7	48 inches or over:	
Sub 8	Not nested.....	400
Sub 9	Nested.....	200
51023	12 gauge or thicker, but thinner than 10 gauge:	
Sub 1	Less than 24 inches:	
Sub 2	Not nested.....	200
Sub 3	Nested.....	110
Sub 4	24 inches or over, but less than 36 inches:	
Sub 5	Not nested.....	300
Sub 6	Nested.....	150
Sub 7	36 inches or over:	
Sub 8	Not nested.....	400
Sub 9	Nested.....	200
51024	14 gauge or thicker, but thinner than 12 gauge:	
Sub 1	Less than 18 inches:	
Sub 2	Not nested.....	200
Sub 3	Nested.....	110
Sub 4	18 inches or over, but less than 30 inches:	
Sub 5	Not nested.....	300
Sub 6	Nested.....	150
Sub 7	30 inches or over:	
Sub 8	Not nested.....	400
Sub 9	Nested.....	200

SUBJECT 23

Present Classification Provisions — Concluded

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
	Culverts or Pipe , aluminum, corrugated, SU: subject to item 51020	
51025	Thinner than 14 gauge:	
Sub 1	Less than 15 inches:	
Sub 2	Not nested.....	200
Sub 3	Nested.....	110
Sub 4	15 inches or over, but less than 21 inches:	
Sub 5	Not nested.....	300
Sub 6	Nested.....	125
Sub 7	21 inches or over:	
Sub 8	Not nested.....	400
Sub 9	Nested.....	150
51026	NOTE—To determine the diameter of Arched Culvert or Pipe, add the span (the longest cross-sectional dimension) and rise (the cross-sectional dimension at the center of the span) of the Arched Culvert and divide by 2.	
51027	NOTE—When corrugated Aluminum Culverts or Pipes are nested, the diameter of the outermost culvert or pipe must be used to determine the applicable class rating.	
51028	NOTE—Also applies on bends, couplings, crosses, laterals, reducers, tees, and wyes. If any of the fittings named herein has more than one diameter, the largest diameter will determine the applicable class rating.	

Proposed Classification Provisions

Item	Description	Class
	BUILDING MATERIALS, MISCELLANEOUS, GROUP: subject to item 33570	
34095	Culvert End Sections , flared, aluminum, etc.....	⇒Cancel; see item NEW
34100	Culvert End Sections , flared, plate or sheet steel, etc.....	⇒Cancel; see item NEW
34102	NOTE—⇒Cancel; no further application.	
34140	Culvert Headwalls or Headwall Aprons , steel, 16 gauge or thicker, etc.....	⇒Cancel; see item NEW
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
51020	Culverts or Pipe , aluminum, corrugated, SU, etc.....	⇒Cancel; see item NEW
51021	8 gauge or thicker, etc.....	⇒Cancel; see item NEW
51022	10 gauge or thicker, but thinner than 8 gauge, etc.....	⇒Cancel; see item NEW

SUBJECT 23

Proposed Classification Provisions — Concluded

Item	Description	Class
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
	Culverts or Pipe , aluminum, corrugated, SU: subject to item 51020	
51023	12 gauge or thicker, but thinner than 10 gauge, etc.....	⇒Cancel; see item NEW
51024	14 gauge or thicker, but thinner than 12 gauge, etc.....	⇒Cancel; see item NEW
51025	Thinner than 14 gauge, etc	⇒Cancel; see item NEW
51026	NOTE—⇒Cancel; no further application.	
51027	NOTE—⇒Cancel; no further application.	
51028	NOTE—⇒Cancel; no further application.	
⇒NEW	Culverts, Culvert Sections or Culvert Fittings , metal, in packages:	
Sub 1	Greatest dimension exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4	500
Sub 3	4 but less than 10	300
Sub 4	10 or greater.....	110
Sub 5	Greatest dimension exceeding 96 inches but not exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 4	500
Sub 7	4 but less than 10	200
Sub 8	10 or greater.....	92.5
Sub 9	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 10	Less than 4	300
Sub 11	4 but less than 10	150
Sub 12	10 or greater.....	77.5

Analysis

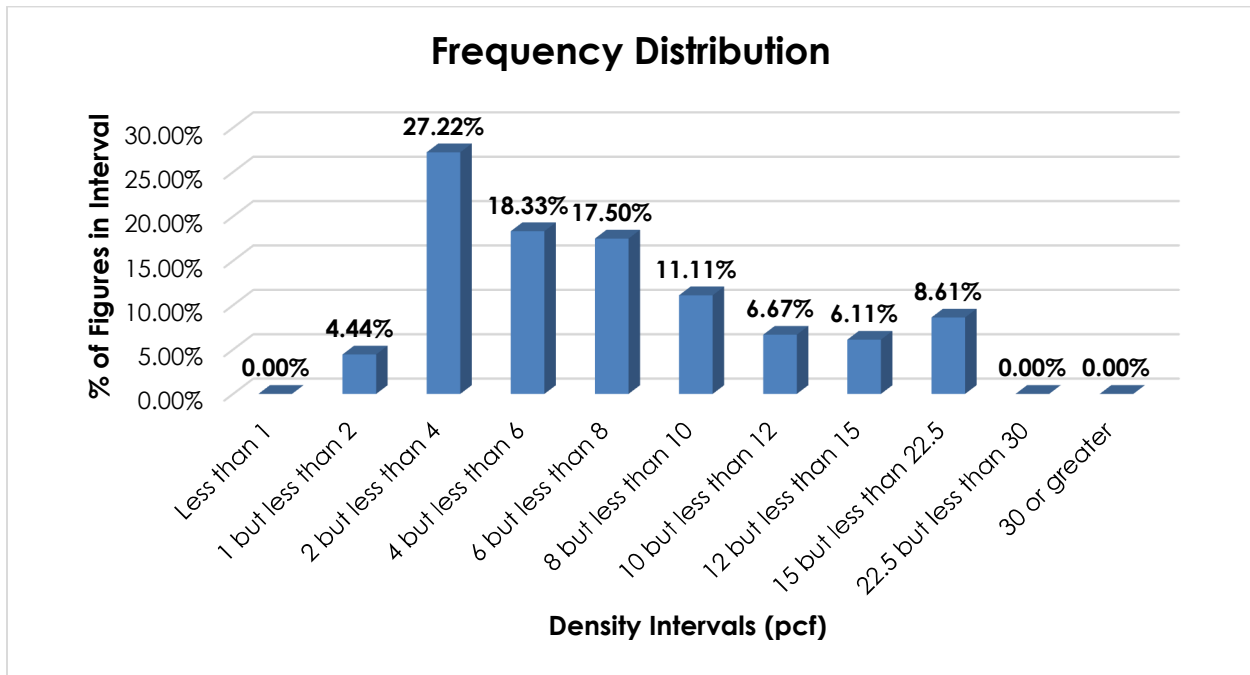
Introduction

Items 34095, 34100, 34140, 51020, 51021, 51022, 51023, 51024 and 51025 apply on metal culverts, culvert sections or culvert fittings, with provisions based on a variety of factors, which makes them difficult, if not impossible, to properly interpret, apply or verify.

SUBJECT 23

Transportation Characteristics

Density—The information of record includes 360 density observations obtained from the FCDC’s Density Study¹. The densities range from 1.27 to 22.30 pcf, with an overall average density of 7.10 pcf. As shown in the graph below, the density distribution is right-skewed, with over 78% of the figures less than 10 pcf.



When the data is evaluated based on the proposed density breaks at 4 and 10 pcf, the density ranges and averages shown in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 4	1.27 – 3.99	2.84
4 but less than 10	4.00 – 9.70	6.68
10 or greater	10.09 – 22.30	14.35

Handling—The involved articles vary greatly in size, with reported lengths up to 240 inches (20 feet)². As the length increases, the handling into and out of the vehicle becomes considerably more difficult, and certain equipment, or additional personnel, may be necessary to safely handle long/large handling units. Furthermore, as the length increases, cross-dock operations

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

² Item (Rule) 568, “Heavy or Bulky Freight—Loading or Unloading,” employs the threshold limit of exceeding 8 feet (96 inches) in greatest dimension as the measurement at which freight becomes more difficult to load and unload when compared to general freight.

SUBJECT 23

can be significantly affected. Often there is not enough room at carrier facilities to safely or easily handle and maneuver excessively long/large units.

Stowability—Culverts, culvert sections or culvert fittings will generally require floor loading and do not provide a flat load-bearing surface. Due to their size and configuration, it may be difficult to stow adjacent freight, and the lack of a flat load-bearing surface reduces or complicates the carrier's ability to load freight on top and maximize vehicle utilization. They may also have protrusions or edges that can potentially be damaged or damage adjacent freight. Excessively long/large handling units are even more difficult to stow with other general freight, which makes it more difficult and time consuming for the carrier to properly structure the load, including necessitating the use of load decks and/or dunnage.

Liability—The involved commodities may damage other freight if not stowed properly within the vehicle and may be at risk for some damage from handling, particularly when the length exceeds 96 inches.

Conclusion

Based on the foregoing analysis, items 34095, 34100, 34140, 51020, 51021, 51022, 51023, 51024 and 51025 would be canceled with reference to a new item, naming "Culverts, Culvert Sections or Culvert Fittings, metal." As proposed, the new item would have classes predicated on greatest dimension and density³. Due to the identified negative handling, stowability and liability characteristics, this proposal would assign classes higher than those called for under FCDC's density guidelines as greatest dimension increases. The table below shows the associated average densities for each density group and respective proposed classes based on greatest dimension.

Density Group (pcf)	Average Density (pcf)	Class When Greatest Dimension Does Not Exceed 96"	Class Adjustment When Greatest Dimension Exceeds 96" But Does Not Exceed 192"	Class Adjustment When Greatest Dimension Exceeds 192"
Less than 4	2.84	300	500	500
4 but less than 10	6.68	150	200	300
10 or greater	14.35	77.5	92.5	110

Notes, items 34102, 51026, 51027 and 51028 would be canceled with no further application.

³ The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 24

Re: Items 13260, 13320, 30260 and 30320

Contact: Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	ALUMINUM: subject to item 13100	
13120	Aluminum Articles , NOI, in boxes or crates; Lineal Shapes or Molding , NOI, in packages; or Cups, Dishes, Pans, Plates or Trays , NOI, foil or sheet, expendable, with or without covers, see Note, item 13121, in boxes; subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
13121	NOTE—Not Involved.	
13260	Blanks or Stampings , NOI, see Note, item 13261, in packages, having a density of 30 pounds or greater per cubic foot, see Note, item 13263.....	60
13261	NOTE—Applies only on articles manufactured solely by a blanking or stamping process.	
13263	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 13120, naming 'Aluminum Articles, NOI.' Upon satisfactory proof of actual density, class will be adjusted accordingly.	
13320	Castings or Forgings , NOI, see Note, item 13321, in packages, having a density of 30 pounds or greater per cubic foot, see Note, item 13322.....	60
13321	NOTE—Applies only on articles manufactured solely by a casting or forging process.	
13322	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 13120, naming 'Aluminum Articles, NOI.' Upon satisfactory proof of actual density, class will be adjusted accordingly.	

SUBJECT 24

Present Classification Provisions — Concluded

Item	Description	Class
	BRASS, BRONZE OR COPPER: subject to item 30100	
30160	Articles, NOI, in boxes, crates or drums, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
30260	Blanks or Stampings, NOI, see Note, item 30261, in packages, having a density of 30 pounds or greater per cubic foot, see Note, item 30263.....	60
30261	NOTE—Applies only on articles manufactured solely by a blanking or stamping process.	
30263	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 30160, naming 'Brass, Bronze or Copper Articles, NOI.' Upon satisfactory proof of actual density, class will be adjusted accordingly.	
30320	Castings or Forgings, NOI, see Note, item 30322, in packages, having a density of 30 pounds or greater per cubic foot, see Note, item 30323.....	60
30322	NOTE—Applies only on articles manufactured solely by a casting or forging process.	
30323	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 30160, naming 'Brass, Bronze or Copper Articles, NOI.' Upon satisfactory proof of actual density, class will be adjusted accordingly.	

SUBJECT 24

Proposed Classification Provisions

Item	Description	Class
	ALUMINUM: subject to item 13100	
13120	Aluminum Articles , NOI, in boxes or crates; Lineal Shapes or Molding , NOI, in packages; or Cups, Dishes, Pans, Plates or Trays , NOI, foil or sheet, expendable, with or without covers, see Note, item 13121, in boxes; subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
13121	NOTE—No Change.	
13260	Blanks or Stampings , NOI, etc	⇒Cancel; see item 13120
13261	NOTE—⇒Cancel; no further application.	
13263	NOTE—⇒Cancel; no further application.	
13320	Castings or Forgings , NOI, etc	⇒Cancel; see item 13120
13321	NOTE—⇒Cancel; no further application.	
13322	NOTE—⇒Cancel; no further application.	
	BRASS, BRONZE OR COPPER: subject to item 30100	
30160	Articles , NOI, in boxes, crates or drums, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
30260	Blanks or Stampings , NOI, etc	⇒Cancel; see item 30160
30261	NOTE—⇒Cancel; no further application.	
30263	NOTE—⇒Cancel; no further application.	

SUBJECT 24

Proposed Classification Provisions — Concluded

Item	Description	Class
30320	BRASS, BRONZE OR COPPER: subject to item 30100 Castings or Forgings, NOI, etc	⇒Cancel; see item 30160
30322	NOTE—⇒Cancel; no further application.	
30323	NOTE—⇒Cancel; no further application.	

Analysis and Conclusion

Items 13260, 13320, 30260 and 30320, as shown in the Present Classification Provisions herein, apply on aluminum, or brass, bronze or copper blanks or stampings, or castings or forgings, having a density of 30 pcf or greater. The provisions each assign class 60. Where densities are less than 30 pcf, the commodities are classified in the full-scale, density-based “catch-all” items for their respective material construction. The FCDC’s standard 11-subprovision density scale already encompasses freight having a density of 30 pcf or greater and assigns class 60 for those handling units. Therefore, items 13260, 13320, 30260 and 30320 are redundant.

Based on the foregoing analysis, items 13260 and 13320 would be canceled with reference to the full-scale, density-based provisions of item 13120, and items 30260 and 30320 would be canceled with reference to the full-scale, density-based provisions of item 30160¹.

Notes, items 13261, 13263, 13321, 13322, 30261, 30263, 30322 and 30323 would be canceled with no further application.

¹ Items 13120 and 30160 provide the FCDC’s standard 11-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 25

Re: Dough Sheeters

Contact: Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
	Bakers': subject to item 114300	
114390*	Dough Deposit, Forming or Make-Up Machines, see Note, item 114391:	
Sub 1	In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 10	125
Sub 3	10 but less than 15.....	85
Sub 4	15 or greater.....	70
Sub 5	In packages other than boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 10	150
Sub 7	10 but less than 15.....	92.5
Sub 8	15 or greater.....	77.5
114391	NOTE—Not Involved.	

*Published in Supplement 4 to NMF 100-AV, effective December 17, 2022.

Proposed Classification Provisions

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
	Bakers': subject to item 114300	
114390	Dough Deposit, Forming or Make-Up Machines, or Dough Sheeters, see Note, item 114391:	
Sub 1	In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 10	125
Sub 3	10 but less than 15.....	85
Sub 4	15 or greater.....	70
Sub 5	In packages other than boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 10	150
Sub 7	10 but less than 15.....	92.5
Sub 8	15 or greater.....	77.5
114391	NOTE—No Change.	

SUBJECT 25**Analysis and Conclusion**

At the October 17, 2022 public meeting of the FCDC, action was taken on Docket 2022-3, Subject 12 to establish item 114390, naming "Dough Deposit, Forming or Make-Up Machines." A recommendation was made during the meeting to include "dough sheeters" in the new item's description in the interest of clarification. As such, this proposal would amend the description of item 114390 by adding "Dough Sheeters."

SUBJECT 26

Re: Removal of 'F' Packages

Contact: Erin N. Topper Telephone — (703) 838-8856 topper@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
56536	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400 Chairs , upholstered, equipped with mechanical lifting and lowering device for assistance in standing or sitting, in Packages 1F, 2F, 3F, 5F, 7F or 23F	Not Involved
109700*	LAMPS OR LIGHTING GROUP: subject to item 109000 Lamps or Lighting Fixtures , see Notes, items 109701, 109702, 109703 and 109704, viz.: Lamps , NOI, also in Packages 817, 1424, 2204 or 5F; [Other Articles Listed—Not Involved.] In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of, see Note, item 109706: Subs 1-11 Not Involved.	
109701	NOTE—Not Involved.	
109702	NOTE—Not Involved.	
109703	NOTE—Not Involved.	
109704	NOTE—Not Involved.	
109705	NOTE—Not Involved.	
109706	NOTE—Not Involved.	
111120	Lecterns or Podiums , with or without built-in sound equipment or reading lights: Sub 1 NOI, other than plastic, in boxes, crates or Packages 1F, 3F, 5F or 118F, subject to Item 170 and having a density in pounds per cubic foot of: Subs 2-4 Not Involved.	

Package 118F

SHIPPING CONTAINER: A tube and cap container, strapped to a wooden frame.

Tube—One-piece full-height tube of corrugated fiberboard testing 275 pounds.

Cap—Design style top cover of corrugated fiberboard testing 275 pounds.

Base—Four-piece wooden frame constructed of not less than nominal 3/4 inch x 2 1/2 inch lumber having attached to top side a full dimension sheet of corrugated fiberboard testing 275 pounds.

Inner Wrap—Articles must have all finished surfaces completely covered with pads or blankets as described in Note, item 79024.

Closure—Container must be secured to wooden base by not less than two metal straps.

UNITED INCHES: Not to exceed 110 inches.

GROSS WEIGHT: Not to exceed 90 pounds.

*Published in Supplement 2 to NMF 100-AV, effective August 13, 2022.

SUBJECT 26

Proposed Classification Provisions

Item	Description	Class
56536	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400 Chairs , upholstered, equipped with mechanical lifting and lowering device for assistance in standing or sitting, ⇨in boxes or crates.....	No Change
109700	LAMPS OR LIGHTING GROUP: subject to item 109000 Lamps or Lighting Fixtures , see Notes, items 109701, 109702, 109703 and 109704, viz.: Lamps , NOI, ⇨also in Packages 817, 1424 or 2204; [Other Articles Listed—No Change.] In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of, see Note, item 109706: Subs 1-11 No Change.	
109701	NOTE—No Change.	
109702	NOTE—No Change.	
109703	NOTE—No Change.	
109704	NOTE—No Change.	
109705	NOTE—No Change.	
109706	NOTE—No Change.	
111120	Lecterns or Podiums , with or without built-in sound equipment or reading lights: Sub 1 NOI, other than plastic, ⇨in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of: Subs 2-4 No Change.	

Package 118F

⇨Cancel; no further application.

Analysis and Conclusion

As shown herein, items 56536, 109700 and 111120 authorize the use of various 'F' Packages. A review of the 'F' Packages reveals that these packages are cumbersome to understand and properly apply, as well as to confirm their compliance. Therefore, as proposed, references to the 'F' Packages in the involved items would be removed and appropriate minimum packaging requirements would be maintained or established. Package 118F would be canceled as having no further application.

SUBJECT 27

Re: Obsolete Provisions

Contact: Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

Proponent: Freight Classification Development Council

Proposed Classification Provisions

It is proposed to cancel the following items as they are believed to be obsolete:

4740	24415	30390
12930	25320	32530
13360	26610	33720
23840	28715	35385

It is also proposed to cancel the following numbered package as obsolete:

831

Analysis and Conclusion

A review of the FCDC's Density Study¹ reveals little or no movement under the provisions of the involved items. As such, this proposal would cancel the involved items, along with attendant Notes, in the interest of clarification and simplification. Concurrently, Package 831, which is referenced only in item 30390, would be canceled as obsolete.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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SUBJECT 28

Re: Obsolete Provisions

Contact: Lisa K. O'Donnell Telephone — (703) 838-1838 odonnell@nmfta.org

Proponent: Freight Classification Development Council

Proposed Classification Provisions

It is proposed to cancel the following items as they are believed to be obsolete:

48110	68405	91580
49983	74780	95980
49996	84830	110865
50333	88480	118520
61535	91340	
66500	91520	

Analysis and Conclusion

A review of the FCDC's Density Study¹ reveals little or no movement under the provisions of the involved items. As such, this proposal would cancel the involved items, along with attendant Notes, in the interest of clarification and simplification.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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SUBJECT 29

Re: Obsolete Provisions

Contact: Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

Proponent: Freight Classification Development Council

Proposed Classification Provisions

It is proposed to cancel the following items as they are believed to be obsolete:

141900	152280	166990
142420	152710	171450
145350	162260	174630
151430	162350	

Analysis and Conclusion

A review of the FCDC's Density Study¹ reveals little or no movement under the provisions of the involved items. As such, this proposal would cancel the involved items in the interest of clarification and simplification.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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SUBJECT 30

Re: Obsolete Provisions

Contact: Adam C. Mercer Telephone — (703) 838-1911 mercer@nmfta.org

Proponent: Freight Classification Development Council

Proposed Classification Provisions

It is proposed to cancel the following items as they are believed to be obsolete:

186100	194720	196300
192270	195020	196360
193600	195250	196840
194380	195880	

Analysis and Conclusion

A review of the FCDC's Density Study¹ reveals little or no movement under the provisions of the involved items. As such, this proposal would cancel the involved items, along with attendant Notes, in the interest of clarification and simplification.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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DOCKET 2022-3, SUBJECT 13—DEFERRED SUBJECT

Re: Bicycles, electric (Electric Bikes or EBikes)

Contact: Adam C. Mercer Telephone — (703) 838-1911 mercer@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	VEHICLES, OTHER THAN SELF-PROPELLED: subject to item 188500	
189800	Vehicles, viz.: Bicycles; [Other Articles Listed—Not Involved.] In boxes or crates, see Note, item 189804, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
189804	NOTE—Bicycles or unicycles may be shipped in Package 501. Children's automobiles or tricycles may be shipped in Package 2194.	
	VEHICLES, MOTOR: subject to item 190100	
190290	Motorcycles; Motor Scooters, NOI; Mini-Bikes; or Motor-Bikes; two or three wheeled, electric or internal combustion engine powered, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8.....	150
Sub 2	8 or greater	100

DOCKET 2022-3, SUBJECT 13—DEFERRED SUBJECT

Proposed Classification Provisions

Item	Description	Class
189800	<p>VEHICLES, OTHER THAN SELF-PROPELLED: subject to item 188500</p> <p>Vehicles, viz.:</p> <p>Bicycles, ðNOI;</p> <p>[Other Articles Listed—No Change.]</p> <p>In boxes or crates, see Note, item 189804, subject to Item 170 and having a density in pounds per cubic foot of:</p> <p>Subs 1-11 No Change.</p>	
189804	NOTE—No Change.	
⇒NEW	VEHICLES, MOTOR: subject to item 190100	
190290	<p>EBikes (Electric Bicycles), in boxes or crates.....250</p> <p>Motorcycles; Motor Scooters, NOI; Mini-Bikes; or Motor-Bikes, ðNOI; two or three wheeled, electric or internal combustion engine powered, etcNo Change</p>	

Analysis

Introduction

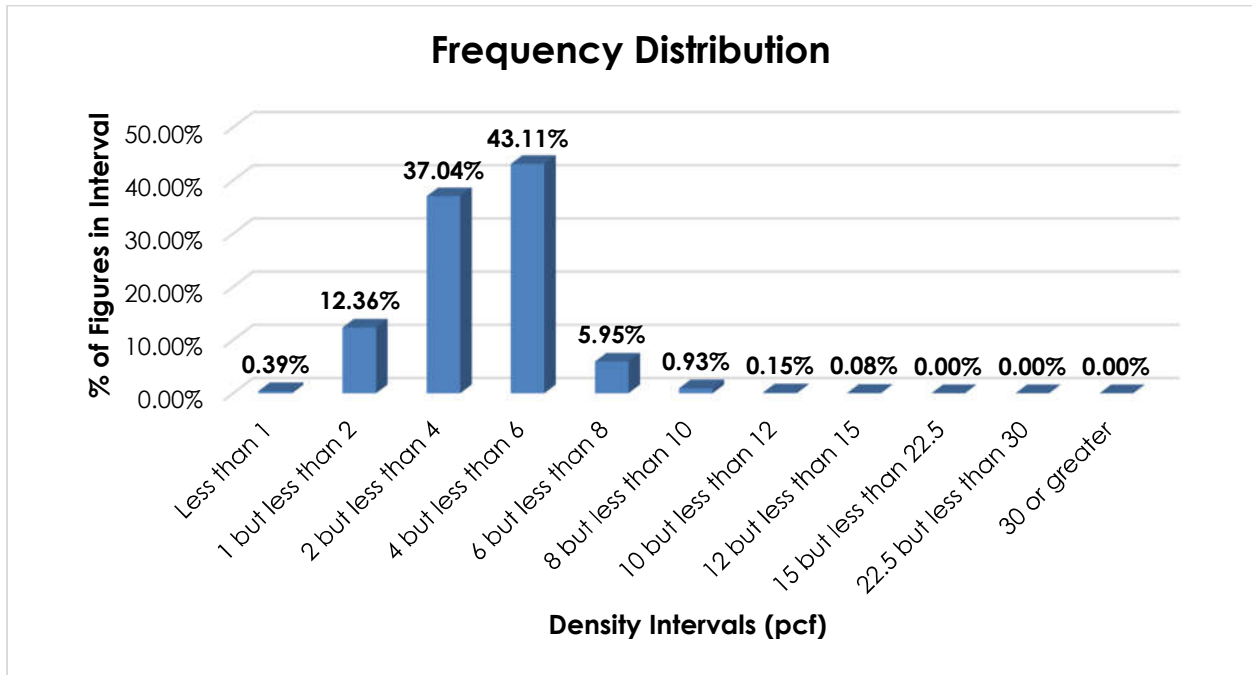
This proposal is based on the information developed through Research Project 1487, which was initiated to review the transportation characteristics of, and address interpretation issues relating to, electric bicycles. This proposal was initially discussed by the FCDC at its public meeting on October 17, 2022, in Alexandria, VA. Following discussion regarding the impact of the inclusion of lithium-ion batteries on the transportation characteristics of these commodities, the FCDC voted to defer disposition of this proposal pending further review.

Transportation Characteristics

Density—The information of record includes 2,589 density observations submitted by a carrier and obtained from the FCDC's Density Study¹. The densities range from 0.25 to 13.05 pcf, with an overall average density of 3.93 pcf. As shown in the graph on the following page, there are clustered peaks around the average, with over 80% of the figures between 2 and 6 pcf. The overall average is reflective of the distribution of densities.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

DOCKET 2022-3, SUBJECT 13—DEFERRED SUBJECT



Handling—Ebikes may be shipped without batteries, with batteries installed or with batteries uninstalled shipped in the same or separate package. Ebikes shipped with batteries installed are listed in the Hazardous Materials Table, 49 CFR 172.101 (HMT), as a "Battery-powered vehicle or Battery-powered equipment," and are not subject to any other requirements of the Hazardous Materials Regulations. There have been no reports of unusual or significant handling concerns regarding Ebikes shipped without batteries or with batteries installed. Ebikes shipped with batteries uninstalled, in the same or separate package, are listed in the HMT as "Lithium ion batteries," and are classified as a Hazard Class 9, Miscellaneous Hazardous Material. Due to the hazardous nature of Hazard Class 9 materials, and the commensurate regulations imposed upon their transportation, extra care and attention in handling is necessary. These added handling concerns include training employees to comply with the regulations, vehicle placarding and complying with coload restrictions and segregation requirements. Further, complying with the involved regulations requires at least one dedicated space on carrier docks for hazardous materials. Most general freight does not require a separate space on the carriers' docks.

Stowability—There have been no reports of unusual or significant stowability concerns regarding Ebikes shipped without batteries or with batteries installed. Ebikes shipped with batteries uninstalled, in the same or separate package, must be transported in accordance with 49 CFR §177.834. 49 CFR §177.834 requires that any package containing any hazardous material, not permanently attached to a motor vehicle, must be secured against shifting, including relative motion between packages, within the vehicle on which it is being transported, under conditions normally incident to transportation. To comply with these requirements, LTL carriers typically load hazardous materials on the vehicle floor. These package securement requirements limit where in the vehicle the freight may be stowed.

DOCKET 2022-3, SUBJECT 13—DEFERRED SUBJECT

Liability—There have been no reports of unusual or significant liability concerns regarding EBikes shipped without batteries or with batteries installed. EBikes shipped with batteries uninstalled, in the same or separate package, are regulated as Hazard Class 9, Miscellaneous Hazardous Materials. These EBikes are hazardous in nature, may damage other freight and carrier equipment, and may pose a risk of injury to carrier personnel. When hazardous materials are involved in a transportation incident, often a report may be required. Reporting requirements are the responsibility of the carrier.

Conclusion

Based on the foregoing analysis, it would be in keeping with FCDC policy to modify this proposal as follows:

Item	Description	Class
189800	VEHICLES, OTHER THAN SELF-PROPELLED: subject to item 188500 Vehicles, viz.: Bicycles, ⇒NOI; [Other Articles Listed—No Change.]	
Subs 1-11	In boxes or crates, see Note, item 189804, subject to Item 170 and having a density in pounds per cubic foot of: No Change.	
189804	NOTE—No Change.	
⇒A-NEW	VEHICLES, MOTOR: subject to item 190100	
Sub 1	EBikes (Electric Bicycles), in boxes or crates:	
Sub 2	With batteries uninstalled, see Note, item B-NEW	300
⇒B-NEW	NOTE—Applies on EBikes with complement of batteries shipped uninstalled in same or separate package, regulated by the U.S. Department of Transportation as a Hazard Class 9, Miscellaneous Hazardous Material, other than Hazardous Waste, as defined in 49 CFR §173.140 and required to bear a notice to that effect on bills of lading and packaging.	
190290	Motorcycles; Motor Scooters, NOI; Mini-Bikes; or Motor-Bikes, ⇒NOI; two or three wheeled, electric or internal combustion engine powered, etc	No Change

NOTICE OF CHANGES TO THE CLASSIFICATION MADE NECESSARY BY LAW,
 BY ORDER OF A REGULATORY BODY, OR
 FOR CLARIFICATION, SIMPLIFICATION OR UNIFORMITY

A. Updating Rule

ITEM 685

PACKING OR PACKAGING—ALTERNATE FORMS

When in the separate description of articles, no class is provided for an article in a container or shipping form shown below:	Apply the class as provided for that article as if shipped in the container or shipping form indicated by an 'X' below (see Note 1).							
	B A G S	Bales, not compressed or compressed to less than 20 pcf	Packages compressed to 20 pcf or greater, see Note 5	B O X E S	B U N D L E S	C R A T E S	D R U M S	I N P A C K A G E S
Boxes , as described in Items 220, 221 and 222	X	X	X	-	X	X	X	X
Boxes , not complying with Items 220, 221 or 222	-	X	-	-	X	-	X	X
Boxes , with slatted sides or tops	X	X	-	-	X	X	-	X

Comment: Item (Rule) 221, "Specifications for Wood Boxes," was established as a result of action taken on Docket 2022-2, Subject 10 (June 2022). Item (Rule) 685, "Packing or Packaging—Alternate Forms," is being updated to reflect the new rule, as well as to remove the alternation for "Boxes, with slatted sides or tops."

NOTES