

SUBJECT 15

SUBJECT 15: Semiconductors – Item 63025

Re: Semiconductors – Item 63025

Contact: Lanae Peterson

FCDC@nmfta.org

Proponent: Freight Classification Development Council

Quick View

The Quick View feature is not intended to replace contextual information within this document. To understand the potential impact of the recommended changes shown here, please read the full proposal.

Subject 15: Semiconductors – Item 63025

**Quick View:** Item 63025 is canceled with reference to item 61700, which provides a “viz.” format, and classes based on the FCDC’s 13-sub density scale.

- Three Notes canceled with no further application
- Item (Rule) 172 amended

**Transportation Characteristics Present:**

- Handling ☐Yes ☒No    Stowability ☐Yes ☒No    Liability ☐Yes ☒No    Density ☒Yes ☐No

**Provisions based on:**

- FCDC’s 13-sub density scale

## SUBJECT 15

Present Classification Provisions

Item	Description	Class
	<b>ELECTRICAL EQUIPMENT GROUP:</b> subject to item 60500	
61700	<b>Electrical Appliances, Equipment or Instruments, or Parts thereof, viz.:</b> <b>Electrical Appliances, Equipment or Instruments, or Parts thereof,</b> NOI, in boxes, crates or Packages 829 or 1241; [Other Articles Listed—Not Involved.] 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 but less than 35 .....	60
Sub 12	35 but less than 50 .....	55
Sub 13	50 or greater .....	50
61702	NOTE—Not Involved.	
61703	NOTE—Not Involved.	
61704	NOTE—Not Involved.	
61705	NOTE—Not Involved.	
61706	NOTE—Not Involved.	
61707	NOTE—Not Involved.	
61708	NOTE—Not Involved.	
61709	NOTE—Not Involved.	
61710	NOTE—Not Involved.	
61711	NOTE—Not Involved.	
61712	NOTE—Not Involved.	
61713	NOTE—Not Involved.	
61714	NOTE—Not Involved.	
61715	NOTE—Not Involved.	
61716	NOTE—Not Involved.	
61717	NOTE—Not Involved.	
61718	NOTE—Not Involved.	
61719	NOTE—Not Involved.	
61721	NOTE—Not Involved.	
61722	NOTE—Not Involved.	
61723	NOTE—Not Involved.	
61724	NOTE—Not Involved.	

## SUBJECT 15

Present Classification Provisions—Continued

Item	Description	Class
61725	NOTE—Not Involved.	
61726	NOTE—Not Involved.	
61727	NOTE—Not Involved.	
61728	NOTE—Not Involved.	
61729	NOTE—Not Involved.	
61731	NOTE—Not Involved.	
61732	NOTE—Not Involved.	
61733	NOTE—Not Involved.	
61734	NOTE—Not Involved.	
61735	NOTE—Not Involved.	
63025	<b>Semiconductors</b> , see Note, item 63031, in boxes, <b>viz.:</b> <b>Devices</b> , NOI, see Note, item 63029; <b>Diodes;</b> <b>Rectifiers</b> , see Note, item 63027; <b>Thermistors;</b> <b>Transistors;</b>	
Sub 1	Released value not exceeding \$3.00 per pound.....	100
Sub 2	Released value exceeding \$3.00 per pound but not exceeding \$10.00 per pound .....	200
Sub 3	Released value exceeding \$10.00 per pound but not exceeding \$20.00 per pound .....	300
Sub 4	If the shipper declines to release each pound in shipment to a value not exceeding \$20.00 per pound, the shipment will not be accepted.	
63027	NOTE—Applies only on named articles in a solid state such as rectifier cells, rectifier stacks or rectifier diodes and does not apply on devices that rectify current mechanically, electro-magnetically, electrolytically or by means of mercury vapor, mercury arc or vacuum tube.	
63029	NOTE—Applies on devices such as, but not limited to, <b>Video Game Cartridges</b> or subassemblies thereof that employ semiconductor materials in their construction and are not elsewhere specifically named in the Classification.	

SUBJECT 15

Present Classification Provisions—Continued

Item	Description	Class
63031	<p>NOTE—The released value must be entered on the shipping order and bill of lading in the following form:</p> <p><i>“The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per pound.”</i></p> <p>If the shipper fails or declines to execute the above statement or designates a value exceeding \$20.00 per pound, shipment will not be accepted, but if shipment is inadvertently accepted, charges initially will be assessed on the basis of the class for the highest value provided. Upon proof of lower actual value, the freight charges will be adjusted to those that would apply if the shipment had been released to the amount of its actual value.</p> <p>(Classes herein based on released value have been authorized by the Interstate Commerce Commission in Released Rates Order No. MC-529 of March 21, 1963, as amended May 15, 1964 and March 31, 1980.)</p>	

THIS SPACE INTENTIONALLY LEFT BLANK

## SUBJECT 15

Present Classification Provisions—Concluded

## Item 172

**LIMITATION OF CARRIER LIABILITY WHERE VALUE IS NOT DECLARED BY SHIPPER**

Where item 47500, 56165, 63025, 70080, 88160, 99400, 100240, 107830, 116030, 136500, 164900, 168960 or 196420 of this Classification applies, and shipper fails to declare a value as required by those provisions, the shipment will not be accepted, but if the shipment is inadvertently accepted, the carrier's liability shall be limited as follows:

ITEM NO.	DESCRIPTION	VALUE LIMITATION
47500	<b>Ceramicware, China, Earthenware, Porcelain or Stoneware</b> , NOI	\$1.70 per pound
56165	<b>Paintings or Pictures</b> , NOI, framed or unframed, with or without glass	\$25.00 per pound
63025	<b>Semiconductors, viz.: Devices</b> , NOI; <b>Diodes; Rectifiers; Thermistors; Transistors</b>	\$20.00 per pound
70080	<b>Flatware, Dresserware or Holloware</b> , sterling silver; or <b>Flatware, Dresserware or Holloware</b> , with sterling silver parts, such as backs, covers, frames, handles or tops	\$5.00 per pound
88160	<b>Glassware</b> , NOI	\$19.00 per pound
99400	<b>Hides, Pelts or Skins</b> , dressed or tanned or not dressed nor tanned, NOI, dry	\$7.50 per pound
100240	<b>Household Goods, Personal Effects or Military Baggage</b> , other than shipments moving under the U.S. Department of Defense Personal Property Program	\$0.10 per pound
107830	<b>Jewelry</b> , costume or novelty, made of materials other than solid or filled precious metals, not mounted nor set with precious stones	\$5.00 per pound
116030	<b>Machines, Systems or Devices</b> , data processing, or <b>Components, Parts or Peripherals thereof</b>	\$25.00 per pound
136500	<b>Metal</b> , NOI or <b>Metal Alloys</b> , NOI	\$5.00 per pound
164900	<b>Radioactive Materials</b>	\$25.00 per pound
168960	<b>Records, Documents or Files</b> , office	\$0.25 per pound
196420	<b>Watches or Watch Movements</b>	\$10.00 each

Where the provisions of other tariffs apply, and those provisions specify a limitation of the carrier's liability absent a release or value declaration by the shipper, the carrier's liability shall be limited to the extent provided by such applicable provisions when the shipper does not make the requisite or specified release or value declaration.

## SUBJECT 15

Proposed Classification Provisions

Item	Description	Class
	<b>ELECTRICAL EQUIPMENT GROUP:</b> subject to item 60500	
61700	<b>Electrical Appliances, Equipment or Instruments, or Parts thereof, viz.:</b> <b>Electrical Appliances, Equipment or Instruments, or Parts thereof,</b> NOI, in boxes, crates or Packages 829 or 1241; <b>⇒Semiconductors, or Parts thereof,</b> in boxes; [Other Articles Listed—No Change.] 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 but less than 35 .....	60
Sub 12	35 but less than 50 .....	55
Sub 13	50 or greater .....	50
61702	NOTE—No Change.	
61703	NOTE—No Change.	
61704	NOTE—No Change.	
61705	NOTE—No Change.	
61706	NOTE—No Change.	
61707	NOTE—No Change.	
61708	NOTE—No Change.	
61709	NOTE—No Change.	
61710	NOTE—No Change.	
61711	NOTE—No Change.	
61712	NOTE—No Change.	
61713	NOTE—No Change.	
61714	NOTE—No Change.	
61715	NOTE—No Change.	
61716	NOTE—No Change.	
61717	NOTE—No Change.	
61718	NOTE—No Change.	
61719	NOTE—No Change.	
61721	NOTE—No Change.	
61722	NOTE—No Change.	
61723	NOTE—No Change.	
61724	NOTE—No Change.	

SUBJECT 15

Proposed Classification Provisions—Continued

Item	Description	Class
	<b>ELECTRICAL EQUIPMENT GROUP:</b> subject to item 60500	
61725	NOTE—No Change.	
61726	NOTE—No Change.	
61727	NOTE—No Change.	
61728	NOTE—No Change.	
61729	NOTE—No Change.	
61731	NOTE—No Change.	
61732	NOTE—No Change.	
61733	NOTE—No Change.	
61734	NOTE—No Change.	
61735	NOTE—No Change.	
63025	<b>Semiconductors</b> , etc ..... ➔	Cancel; see item 61700
63027	NOTE—➔	Cancel; no further application.
63029	NOTE—➔	Cancel; no further application.
63031	NOTE—➔	Cancel; no further application.

THIS SPACE INTENTIONALLY LEFT BLANK

## SUBJECT 15

**Proposed Classification Provisions—Concluded**

## Item 172

**LIMITATION OF CARRIER LIABILITY WHERE VALUE IS NOT DECLARED BY SHIPPER**

Where item 47500, 56165, ~~⇒ 63025~~, 70080, 88160, 99400, 100240, 107830, 116030, 136500, 164900, 168960 or 196420 of this Classification applies, and shipper fails to declare a value as required by those provisions, the shipment will not be accepted, but if the shipment is inadvertently accepted, the carrier's liability shall be limited as follows:

ITEM NO.	DESCRIPTION	VALUE LIMITATION
47500	<b>Ceramicware, China, Earthenware, Porcelain or Stoneware</b> , NOI	\$1.70 per pound
56165	<b>Paintings or Pictures</b> , NOI, framed or unframed, with or without glass	\$25.00 per pound
<del>⇒ 63025</del>	<del>⇒ Semiconductors, viz.: Devices, NOI; Diodes; Rectifiers; Thermistors; Transistors</del>	<del>⇒ \$20.00 per pound</del>
70080	<b>Flatware, Dresserware or Holloware</b> , sterling silver; or <b>Flatware, Dresserware or Holloware</b> , with sterling silver parts, such as backs, covers, frames, handles or tops	\$5.00 per pound
88160	<b>Glassware</b> , NOI	\$19.00 per pound
99400	<b>Hides, Pelts or Skins</b> , dressed or tanned or not dressed nor tanned, NOI, dry	\$7.50 per pound
100240	<b>Household Goods, Personal Effects or Military Baggage</b> , other than shipments moving under the U.S. Department of Defense Personal Property Program	\$0.10 per pound
107830	<b>Jewelry</b> , costume or novelty, made of materials other than solid or filled precious metals, not mounted nor set with precious stones	\$5.00 per pound
116030	<b>Machines, Systems or Devices</b> , data processing, or <b>Components, Parts or Peripherals thereof</b>	\$25.00 per pound
136500	<b>Metal</b> , NOI or <b>Metal Alloys</b> , NOI	\$5.00 per pound
164900	<b>Radioactive Materials</b>	\$25.00 per pound
168960	<b>Records, Documents or Files</b> , office	\$0.25 per pound
196420	<b>Watches or Watch Movements</b>	\$10.00 each

Where the provisions of other tariffs apply, and those provisions specify a limitation of the carrier's liability absent a release or value declaration by the shipper, the carrier's liability shall be limited to the extent provided by such applicable provisions when the shipper does not make the requisite or specified release or value declaration.



SUBJECT 15

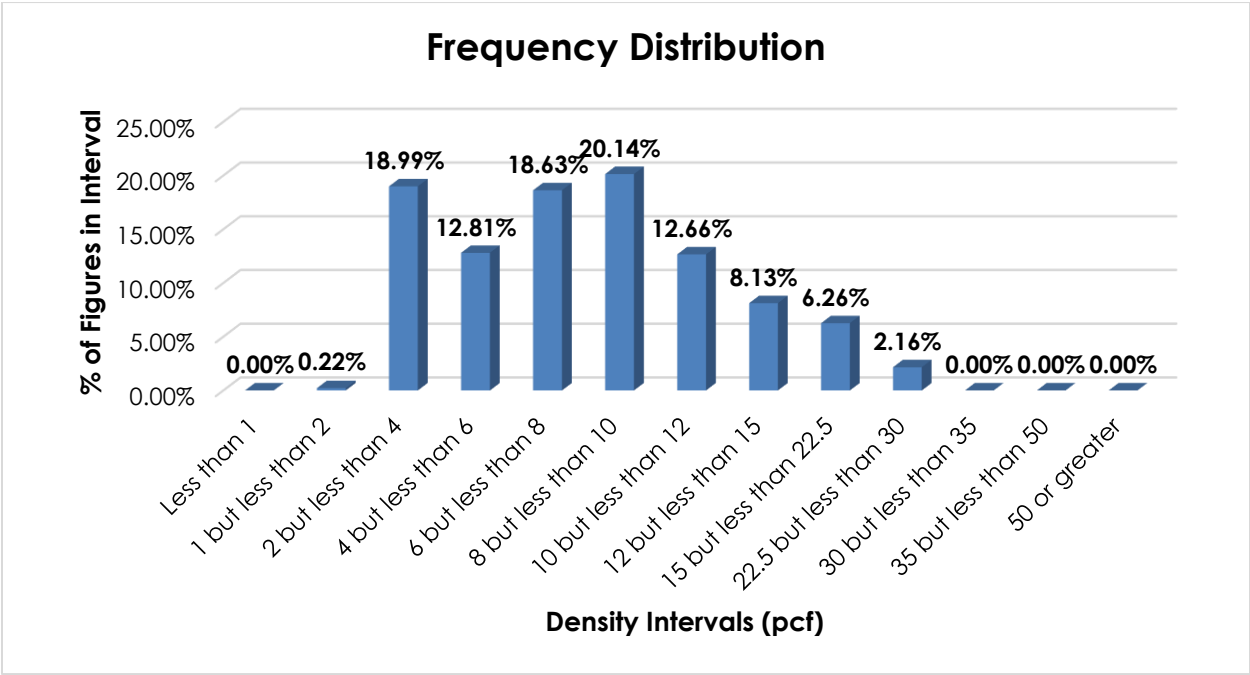
Analysis

Introduction

Item 63025 names particular types of semiconductors or semiconductor parts. This item was reviewed with the intent of removing value-based provisions, combining like commodities, and examining the involved products' transportation characteristics.

Transportation Characteristics

**Density**—The information of record includes 1,390 density observations obtained from the FCDC's Density Study<sup>1</sup>. The densities range from 1.92 to 28.73 pcf, with an overall average density of 8.48 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 issues.

<sup>1</sup> 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****Conclusion**

Based on the foregoing analysis, item 63025 would be canceled with reference to the full-scale, density-based provisions of item 61700<sup>2</sup>. Concurrently, this proposal would amend the "viz." listing in item 61700 to name "Semiconductors, or Parts thereof." Notes, items 63027, 63029, and 63031 would be canceled with no further application.

Additionally, Item (Rule) 172 would be amended to remove reference to item 63025.

---

<sup>2</sup> Item 61700 provides the FCDC's 13-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.