

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1998 Manufacturing Profiles, issued December 2000.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: [www.stat-usa.gov/](http://www.stat-usa.gov/).

NOTE. Data are now published on the new North American Industry Classification System (NAICS)

basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see [www.census.gov/epcd/www/naics.html](http://www.census.gov/epcd/www/naics.html).

#### SUMMARY OF FINDINGS

During 2000, the total value of shipments for communications equipment totaled \$104.4 billion, an increase of 16.6 percent from the 1999 value of \$89.6 billion. Shipments of telephone switching equipment totaled \$15.2 billion, an increase of 10.4 percent from the \$13.7 billion shipped in 1999. Shipments of carrier line equipment and nonconsumer modems increased 41.6 percent, from \$9.3 billion in 1999 to \$13.1 billion in 2000. Other telephone and telegraph equipment shipped in 2000 totaled \$29.0 billion, an increase of 24.6 percent from the \$23.3 billion shipped in 1999. Communications systems and equipment increased 9.2 percent, from \$33.3 billion shipped in 1999 to \$36.4 billion in 2000. Shipments of broadcast, studio, and related electronic equipment remained steady at \$4.0 billion. Alarm systems totaled \$2.8 billion in 2000, an increase of 24.2 percent from the \$2.2 billion in 1999.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Richard Hough, 301-457-4823.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.



Table 1. Value of Shipments of Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment by Class of Product: 1991 to 2000  
[Millions of dollars]

Product code	Product description	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991
	Communication equipment, including telephone, telegraph, and other electronic systems and equipment.....	104,388.7	r/89,556.6	82,176.4	73,587.8	65,608.6	56,362.0	49,598.1	42,113.8	39,501.9	37,821.0
3342101	Telephone switching and switchboard equipment.....	15,173.7	13,742.4	12,422.2	10,302.2	9,617.7	8,178.4	8,067.6	7,240.9	7,291.3	6,956.6
3342104	Carrier line equipment and modems.....	13,112.3	9,263.0	9,378.8	7,278.1	7,544.6	5,868.6	5,114.0	4,993.3	4,810.6	4,298.4
3342107	Other telephone and telegraph equipment and components 1/.....	28,970.6	r/23,257.7	19,896.8	16,488.1	14,030.9	10,510.0	8,479.5	7,026.4	5,507.3	4,909.5
3342201	Communication systems and equipment (except broadcast).....	36,357.1	r/33,280.9	31,127.7	29,416.0	25,332.5	23,031.9	19,977.5	16,196.7	15,162.8	14,987.9
3342203	Broadcast, studio, and related electronic equipment.....	4,029.4	r/ 3,999.5	3,603.3	3,360.5	3,000.2	2,844.7	2,469.5	2,077.5	1,948.2	1,836.3
3342903	Intercommunications systems, including inductive paging systems (selective calling).....	446.8	r/ 401.1	248.9	256.4	277.8	296.0	283.7	241.7	288.5	303.8
3342901	Alarm systems.....	2,755.2	r/ 2,218.2	2,024.1	1,926.5	1,802.8	1,662.1	1,550.5	1,532.4	1,370.4	1,145.0
3342902	Vehicular and pedestrian traffic control equipment and electrical railway signals and attachments.....	838.1	r/ 952.3	911.8	963.7	762.0	710.7	669.9	573.4	597.3	491.1
3333197	Electronic teaching machines, teaching aids, trainers, and simulators.....	782.1	700.7	713.0	872.0	865.7	913.3	838.5	847.7	1,310.8	1,411.0
3359997	Laser sources 2/.....	(S)	(S)	(S)	991.8	843.8	787.5	726.4	(NA)	(NA)	(NA)
335999A	Ultrasonic equipment.....	271.6	r/ 225.7	204.7	212.9	184.3	172.3	137.5	127.3	119.2	113.7
335999C	Other electronic systems and equipment, n.e.c. ....	1,651.8	r/ 1,515.1	1,645.1	1,519.7	1,346.3	1,386.5	1,283.5	1,256.5	1,095.5	720.8

NA Not available. n.e.c. Not elsewhere classified. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards.

1/Total for product class 3342104 does not include product code 3344184005.

2/Beginning in 1994, data for "Laser equipment, instrumentation, and components" have been eliminated from this survey. Only "Laser sources" are collected.

Table 2. Quantity and Value of Shipments of Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment by Product Code: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000		1999	
			Quantity	Value	Quantity	Value
3342101	Telephone switching and switchboard equipment.....	(NA)	(X)	15,173,689	(X)	13,742,411
3342101005	Central office switching equipment.....	26	(X)	7,477,760	(X)	7,253,646
	Private branch exchange switching equipment:					
3342101012	Up to 399 lines.....	8	(X)	700,861	(X)	844,602
3342101015	400-1,000 lines.....	7	(X)	76,556	(X)	163,306
3342101017	Over 1,000 lines.....	7	(X)	a/ 64,001	(X)	r/ 131,986
3342101021	Cellular mobile telephone switching equipment 1/.....	12	(X)	(D)	(X)	(D)
3342101023	Packet switching equipment 1/.....	13	(X)	(D)	(X)	(D)
3342101025	Other telephone switching and switchboard equipment.....	24	(X)	a/ 732,310	(X)	r/ 844,726
3342101099	Parts, components and subassemblies for telephone switching equipment.....	20	(X)	220,533	(X)	r/ 293,855
3342104	Carrier line equipment and modems 2/.....	(NA)	(X)	13,112,320	(X)	9,263,013
	Carrier line equipment:					
3342104002	Repeaters and line transceivers, analog and digital 3/.....	11	(X)	(D)	(X)	2,052,617
3342104012	Multiplex equipment, including channel banks, analog and digital.....	37	(X)	a/ 3,315,255	(X)	r/ 1,778,204
3342104022	Other subscriber loop carrier terminal and line equipment, analog and digital.....	20	(X)	b/ 2,668,482	(X)	b/r/ 2,037,129
3342104032	All other carrier line equipment, analog and digital 3/.....	23	(X)	(D)	(X)	2,982,052
3342104042	External modems for POTS, ISDN, DSL, PSTN lines transmission.....	14	(X)	649,863	(X)	r/ 413,011
3344184005	External modems for individual PC's.....	12	(X)	a/ 94,691	(X)	a/r/ 174,818
3342107	Other telephone and telegraph equipment and components.....	(NA)	(X)	28,970,607	(X)	23,257,690
	Telephone sets:					
3342107001	Single line and ISDN sets.....	9	(D)	(D)	r/ 1,187,979	r/ 79,778
3342107003	Key sets.....	5	(D)	(D)	(D)	(D)
3342107005	Public pay telephone equipment.....	7	516,470	150,012	543,463	r/ 138,227
3342107007	Cordless handsets.....	2	(D)	(D)	(D)	(D)
3342107009	Other telephone sets and accessories (e.g. handsets).....	12	(X)	176,984	(X)	r/ 194,320
3342107022	Data communications equipment, including routers, gateways, bridges, terminal servers, and concentrators.....	62	(X)	22,627,204	(X)	r/ 17,138,933
3342107051	Voice frequency equipment.....	9	(X)	77,829	(X)	36,160
3342107062	Voice/call message processing equipment, including answering devices.....	31	(X)	1,403,700	(X)	r/ 2,198,441
3342107091	Facsimile communication equipment (complete).....	3	(X)	(D)	(X)	(D)
3342107097	Other telephone/telegraph equipment.....	46	(X)	a/ 3,793,760	(X)	r/ 2,842,520
3342107099	Parts, components and subassemblies for other telephone equipment.....	21	(X)	369,233	(X)	a/ 408,302
3342201	Communications systems and equipment (except broadcast).....	(NA)	(X)	36,357,110	(X)	33,280,940
	Radio station type 4/.....	(NA)	(X)	24,839,589	(X)	r/ 22,787,054
3342201301	Amateur.....	8	(X)	3,164	(X)	r/ 3,971
3342201307	Meteorological.....	6	(X)	(D)	(X)	(D)
3342201101	Fixed.....	24	(X)	a/ 3,779,971	(X)	r/ 3,331,565
3342201311	Telecommand.....	2	(X)	(D)	(X)	(D)
3342201313	Telemetry.....	14	(X)	77,474	(X)	r/ 119,325
3342201315	Radionavigational and locational.....	11	(X)	332,175	(X)	311,220
3342201317	Aeronautical communications.....	6	(X)	(D)	(X)	452,273
	Mobile:					
	Cellular system equipment:					
3342201201	Analog.....	8	(X)	1,404,584	(X)	3,626,782
3342201204	Digital.....	10	(X)	a/ 13,871,636	(X)	10,057,803
3342201207	Other conventional and trunked system equipment.....	11	(X)	530,409	(X)	r/ 430,947
3342201209	Other mobile.....	10	(X)	295,402	(X)	r/ 295,669

Continued

Table 2. Quantity and Value of Shipments of Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment by Product Code: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000		1999	
			Quantity	Value	Quantity	Value
3342201319	Other.....	32	(X)	4,073,041	(X)	r/ 4,033,630
	Other type.....	(NA)	(X)	11,517,521	(X)	10,493,886
3342201401	Checkout, monitoring, evaluation and other electronic support equipment for communications systems.....	46	(X)	1,527,720	(X)	r/ 1,044,301
	Antenna systems, sold separately:					
3342201405	Below 890 MHz.....	51	(X)	665,818	(X)	r/ 847,660
3342201407	890 MHz and above.....	46	(X)	a/ 571,211	(X)	a/r/ 525,838
	Fiber optics equipment, excluding connectors, cable, photo diode and laser diode components, microwave equipment, and multiplexors:					
3342201415	Equipment meeting SONET standards.....	9	(X)	1,009,269	(X)	606,385
3342201419	Equipment not meeting SONET standards.....	17	(X)	b/ 1,237,497	(X)	b/r/ 922,872
3342201421	Other carrier equipment, n.e.c.....	14	(X)	a/ 264,118	(X)	a/r/ 125,157
3342201425	Other communications systems and equipment.....	128	(X)	b/ 6,241,888	(X)	a/r/ 6,421,673
3342203	Broadcast, studio, and related electronic equipment.....	(NA)	(X)	4,029,403	(X)	3,999,534
	Audio equipment, excluding consumer and P.A. types:					
3342203001	Amplifiers and preamplifiers.....	25	663,383	344,427	c/r/ 741,191	339,066
3342203004	Control consoles and switchers.....	18	55,722	154,404	c/r/ 42,859	a/r/ 163,237
3342203009	Other (power supplies, terminal equipment broadcast recorders, etc.) .....	29	(X)	180,508	(X)	r/ 167,422
3342203013	Video equipment, including amplifiers, television cameras, and tape recorders, excluding consumer and P.A. types.....	29	(X)	654,662	(X)	r/ 556,127
3342203021	AM and FM transmitters.....	10	(X)	a/ 76,931	(X)	r/ 68,320
3342203024	Television transmitters.....	9	(X)	a/ 151,395	(X)	r/ 131,497
3342203027	Other (broadcast transmission line equipment, phasing equipment, television boosters and repeaters, translators, etc.).....	22	(X)	462,453	(X)	r/ 649,510
3342203029	Studio transmission links (STL) and remote pickup equipment.....	4	(X)	a/ 16,518	(X)	r/ 39,020
	Cable television (master antennae and CATV equipment):					
3342203032	Head end equipment (antennae baluns, carrier generators, head-end control units, single and broadband pre-amplifiers and strip amplifiers, converters, modulators and demodulators; splitting filters and traps, power supplies, switches, etc.).....	24	(X)	388,363	(X)	r/ 334,832
3342203038	Subscriber equipment (decoders, switchers; wall outlet taps; distribution amplifiers; power supplies; directional couplers, splitters, alternators, and equalizers) .....	7	(X)	259,996	(X)	238,152
3342203041	Broadcasting transmitting antennae and community antennae systems.....	10	(X)	84,863	(X)	r/ 78,737
3342203044	Closed circuit television systems and equipment, (specially designed cameras, monitors, video recorders, receivers, scan converters and control consoles) excluding broadcast and consumer products.....	20	(X)	897,824	(X)	r/ 874,783
3342203047	Other broadcast, studio, theater, and commercial sound equipment, sold separately, excluding studio lighting equipment, radiating and supporting towers.....	25	(X)	a/ 298,730	(X)	a/r/ 299,455
3342203099	Parts and accessories for broadcast, studio and related electronic equipment, sold separately.....	19	(X)	58,329	(X)	r/ 59,376

Table 2. Quantity and Value of Shipments of Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment by Product Code: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000		1999	
			Quantity	Value	Quantity	Value
3342901	Alarm systems.....	(NA)	(X)	2,755,155	(X)	2,218,174
	Intrusion detection:					
3342901101	Local.....	21	(X) a/	248,866	(X) r/	219,291
3342901201	Central station.....	9	(X) (D)	(D)	(X) (D)	(D)
3342901601	Direct connect.....	7	(X)	16,643	(X) c/r/	10,054
3342901603	Hold-up systems (commercial and industrial) .....	2	(X) (D)	(D)	(X) (D)	(D)
3342901605	Automotive.....	6	(X) (D)	(D)	(X) (D)	(D)
	Fire detection and prevention:					
	Smoke and heat detection alarms:					
3342901301	Ionization chamber type.....	10	(X)	189,311	(X) a/r/	103,133
3342901401	Other, including photo cell type.....	16	(X)	962,534	(X)	468,714
3342901607	Central station.....	10	(X)	157,053	(X) r/	152,290
3342901501	Direct connect.....	14	(X)	153,634	(X) b/r/	165,550
3342901609	Other intercommunication and alarm systems, including electric sirens and horns (marine, industrial and air raid) security locking systems.....	30	(X) a/	355,708	(X)	325,969
3342902	Vehicular and pedestrian traffic control equipment, electrical railway signals and attachments.....	(NA)	(X)	838,091	(X)	952,261
3342902102	Vehicular and pedestrian traffic control equipment.....	36	(X)	521,537	(X) r/	471,867
3342902202	Railway signals and attachments, electric.....	9	(X)	316,554	(X) r/	480,394
3342903	Intercommunications systems, including inductive paging systems (selective calling).....	(NA)	(X)	446,823	(X) r/	401,056
3342903001	Wired.....	33	(X)	302,444	(X) r/	266,311
3342903003	Nonwired.....	16	(X) a/	144,379	(X) r/	134,745
3333197	Electronic teaching machines, teaching aids, trainers and simulators .....	(NA)	(X)	782,149	(X)	700,729
3333197001	Electronic trainers and simulators.....	28	(X)	740,060	(X) a/	659,198
3333197004	Other electronic teaching machines and teaching aids.....	6	(X) b/	42,089	(X) b/	41,531
3359997	Laser sources.....	(NA)	(X)	(S)	(X)	(S)
	Nondiode lasers:					
3359997002	CO2 sealed.....	4	(X)	(S)	(X)	(S)
3359997004	CO2 flowing.....	6	(X)	(S)	(X)	(S)
3359997006	Lamp-pumped solid-state, less than 100 watts.....	5	(X)	(S)	(X)	(S)
3359997008	Lamp-pumped solid-state, 100 watts or greater.....	4	(X)	(S)	(X)	(S)
3359997009	Nondiode-laser pumped solid-state.....	3	(X)	(S)	(X)	(S)
3359997012	Diode-laser pumped solid state, less than 100 watts.....	5	(X)	(S)	(X)	(S)
3359997014	Diode-laser pumped solid state, 100 watts or greater.....	3	(X)	(S)	(X)	(S)
3359997017	HeCd and Ion less than 1 watt.....	3	(X)	(S)	(X)	(S)
3359997019	Ion 1 watt or greater.....	2	(X)	(S)	(X)	(S)
3359997022	HeNe.....	5	(X)	(S)	(X)	(S)
3359997023	Dye.....	-	(X)	(S)	(X)	(S)
3359997025	Excimer.....	2	(X)	(S)	(X)	(S)
	Diode lasers, categorized by wavelength:					
3359997031	Less than 700nm.....	10	(X)	(S)	(X)	(S)
3359997033	700nm to 1,000nm less than 10mW.....	2	(X)	(S)	(X)	(S)
3359997035	700nm to 1,000nm 10mW to less than 3W.....	2	(X)	(S)	(X)	(S)
3359997037	700nm to 1,000nm 3W to less than 100W.....	1	(X)	(S)	(X)	(S)
3359997039	700nm to 1,000nm 100W or greater.....	1	(X)	(S)	(X)	(S)
3359997041	1,001 to less than 1,700nm.....	1	(X)	(S)	(X)	(S)
3359997043	1,700nm or greater.....	-	(X)	(S)	(X)	(S)
335999A000	Ultrasonic equipment, n.e.c.....	21	(X)	271,599	(X) r/	225,695

Continued

Table 2. Quantity and Value of Shipments of Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment by Product Code: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000		1999	
			Quantity	Value	Quantity	Value
335999C	Other electronic systems and equipment,					
	n.e.c. ....	(NA)	(X)	1,651,846	(X)	r/ 1,515,125
335999C001	Consumer electronic equipment, n.e.c. ....	21	(X)	482,953	(X)	r/ 574,583
335999C005	Scientific electronic equipment, n.e.c. ....	13	(X)	b/ 44,127	(X)	b/r/ 29,337
335999C011	Industrial electronic equipment, n.e.c. ....	38	(X)	a/ 283,471	(X)	r/ 217,315
335999C015	All other electronic equipment, n.e.c. ....	77	(X)	a/ 841,295	(X)	r/ 693,890

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. n.e.c. Not elsewhere classified.  
 r/Revised by 5 percent or more from previously published data. X Not applicable. S Does not meet publication standards.

- 1/Product codes 3342101021 and 3342101023 have a combined value of shipments total of 5,901,668 for 2000 and 4,210,290 for 1999.
- 2/Product code 3344184005 is not included in the total for 3342104.
- 3/Product codes 3342104002 and 3342104032 have a combined value of shipments total of 6,478,720 for 2000.
- 4/Of this value of shipments total, space based (satellite) accounted for 3.6 billion in 2000 and 3.8 billion in 1999; airborne and marine based accounted for 647 million in 2000 and 624 million in 1999; earth (fixed) based accounted for 4.9 billion in 2000 and 4.3 billion in 1999; earth (mobile) portable based accounted for 15.7 billion in 2000 and 14.0 billion in 1999.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item has been estimated.  
 b/26 to 50 percent of this item has been estimated. c/Over 50 percent of this item has been estimated.

Table 3. Shipments, Exports, and Imports of Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment: 2000  
 [Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments (value f.o.b. plant)	Exports of domestic merchandise (value at port) 1/	Imports for consumption (value) 2/
3342101012, 015, 017	Private branch telephonic exchange switching apparatus.....	841,418	145,346	986,886
3342101005	Central office telephonic switching apparatus.....	7,477,760	443,426	39,866
3342101021, 023, 025	Telephonic switching apparatus, n.e.c. ....	6,633,978	328,591	56,101
3342101099	Parts components, and subassemblies for telephone switching and switchboard apparatus.....	220,533	1,087,363	3,183,025
3342104002	Repeaters and line transceivers, carrier line equipment.....	(D)	263,981	10,025
3342104012, 022, 032	Carrier line equipment, n.e.c. ....	9,419,202	2,310,973	4,368,232
3342107001, 003, 005, 007, 009	Telephone sets, including cordless handset telephones.....	686,974	653,017	2,130,546
3344184005, 3342104042	Modems, including auxiliary sets.....	744,554	1,121,828	2,073,882
3342107022, 051, 097	Telephone and telegraphic equipment, n.e.c., including voice frequency equipment.....	26,498,793	753,399	817,353
3342107062	Telephone answering devices.....	1,403,700	36,040	110,407
3342107091	Facsimile communication equipment (complete).....	(D)	(NA)	572,225
3342107099	Parts, components and subassemblies for other telephone equipment.....	369,233	3,760,376	2,751,099
3342203001	Audio amplifiers and preamplifiers, (except consumer and P.A. types).....	344,427	380,442	343,035
3342203021, 024, 027	Transmitters, translators, RF power amplifiers, and related equipment.....	690,779	551,600	311,774
3342201201, 204, 207, 209	Mobile radio systems and equipment, including transceivers, and portable receivers, transmitter and receiver and receiver, hand held.....	16,102,031	7,589,624	11,094,202
3342903001, 003	Intercommunications systems, including inductive paging systems.....	446,823	50,257	53,722
3342201405, 407, 3342203041	Antennae systems, including broadcasting, transmitting, and community antennae systems.....	1,321,183	783,899	168,695
3342203032, 044, 038	Cable television and closed circuit television systems and equipment including AM and FM transmitters.....	1,546,183	636,810	-

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Table 3. Shipments, Exports, and Imports of Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment: 2000  
 [Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments (value f.o.b. plant)	Exports of domestic merchandise (value at port) 1/	Imports for consumption (value) 2/
3342901101, 201, 601, 603, 605, 609	Intrusion detection alarm systems.....	1,292,623	57,001	215,475
3342901301	Smoke detection alarms, ionization type.....	189,311	12,001	104,514
3342901401	Smoke detection alarms, n.e.c., including photo cell type.....	962,534	101,267	87,074
3342901501, 607	Central station and direct connect fire detection and prevention alarm systems.....	310,687	129,602	96,130
3342902102	Vehicular and pedestrian traffic control equipment.....	521,537	107,438	95,217
3342902202	Railway signals and attachments, electric.....	316,554	18,715	7,473
3333197001	Electronic trainers and simulators.....	740,060	335,544	269,386
335999A000	Ultrasonic equipment, n.e.c. ....	271,599	291,531	997

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available.  
 n.e.c. Not elsewhere classified.

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.



Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers and HTSUSA Import Numbers: 2000

Product code	Product description	Export number 1/	Import number 2/
3342101012, 015, 017	Private branch telephonic exchange switching apparatus.....	8517.30.2000	8517.30.2000
3342101005	Central office telephonic switching apparatus.....	8517.30.1500	8517.30.1500
3342101021, 023, 025	Telephonic switching apparatus, n.e.c. ....	8517.30.3000	8517.30.3000
3342101099	Parts components, and subassemblies for telephone switching and switchboard apparatus.....	8517.90.2000	8517.90.2400 8517.90.3600 8517.90.5800
3342104002	Repeaters and line tranceivers, carrier line equipment.....	8518.40.1000	8518.40.1000
3342104012, 022, 033	Carrier line equipment, n.e.c. ....	8517.50.5000 8517.50.6000 8517.50.9000	8517.50.5000 8517.50.6000 8517.50.9000
3342107001, 003, 005, 007, 009	Telephone sets, including cordless handset telephones.....	8517.11.0000 8517.19.0000 8518.30.1000 8525.20.9020	8517.11.0000
3344184005, 3342104042	Modems, including auxiliary sets.....	8517.50.1000	8517.50.1000
3342107022, 051, 098	Telephone and telegraphic equipment, n.e.c, including voice frequency equipment.....	8517.30.5000 8517.80.1020 8517.80.2000 8517.30.2500	8517.30.5000 8517.80.1020 8517.80.2000 8517.30.2500
3342107062	Telephone answering devices.....	8520.20.0000	8520.20.0040 8520.20.0080
3342107091	Facsimile communication equipment (complete).....	(NA)	8517.21.0000
3342107099	Parts, components and subassemblies for other telephone equipment.....	8517.90.5000	8517.90.1200 8517.90.3800 8517.90.5200 8517.90.6400
3342203001	Audio amplifiers and preamplifiers, (except consumer and P.A. types).....	8518.40.2000	8518.40.2000
3342203021, 024, 027	Transmitters, translators, RF power amplifiers, and related equipment.....	8525.10.6010 8525.10.6030 8525.10.6050 8525.10.6070 8525.10.6090 8525.10.8020 8525.10.8040	8525.10.2040 8525.10.6020 8525.10.6040 8525.10.6060 8525.10.6080 8525.10.7025 8525.10.7045 8525.10.7065 8525.10.8000 8525.10.9025 8525.10.9045 8525.10.9065 8525.10.9085 8525.10.9090

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers and HTSUSA Import Numbers: 2000

Product code	Product description	Export number 1/	Import number 2/
3342201201, 204, 207, 209	Mobile radio systems and equipment, including transceivers, and portable receivers, transmitter and receiver, hand held.....	8525.20.1000	8525.20.0500
		8525.20.2000	8525.20.1500
		8525.20.3030	8525.20.2400
		8525.20.3040	8525.20.2800
		8525.20.3042	8525.20.3010
		8525.20.3045	8525.20.3015
		8525.20.3055	8525.20.3025
		8525.20.9040	8525.20.3040
		8525.20.9080	8525.20.3060
		8527.90.8025	8525.20.3065
		8529.90.5000	8525.20.3070
			8525.20.3080
			8525.20.9020
			8525.20.9060
			8525.20.9070
	8525.20.9080		
	8527.90.9020		
	8529.90.7600		
	8529.90.8500		
3342903001, 003	Intercommunications systems, including inductive paging systems.....	8517.80.1010	8517.80.1010
		8527.90.8015	8531.80.4000
		8531.80.0035	
3342201405, 407, 3342203041	Antennae systems, including broadcasting, transmitting, and community antennae systems.....	8529.10.2020	8529.10.2020
		8529.10.2050	8529.10.2050
		8529.10.4000	8529.10.4040
		8529.10.6000	8529.10.6000
3342203032, 038, 044	Cable TV and closed circuit television systems and equipment including AM and FM transmitters.....	8525.10.2010	8525.10.2030
		8525.10.2050	
3342901101, 201, 601, 603, 605, 609	Intrusion detection alarm systems.....	8531.10.0035	8531.10.0035
3342901301	Smoke detection alarms, ionization type.....	9022.29.4000	9022.29.4000
3342901401	Smoke detection alarms, n.e.c., including photo cell type.....	8531.10.0015	8531.10.0015
		8531.10.0025	8531.10.0025
3342901501, 607	Central station and direct connect fire detection and prevention alarm systems.....	8531.10.0045	8531.10.0045
3342902101, 103	Vehicular and pedestrian traffic control equipment.....	8530.80.0000	8530.80.0000
		8530.90.0000	8530.90.0000
3342902201, 203	Railway signals and attachments, electric.....	8530.10.0000	8530.10.0000
3333197001	Electronic trainers and simulators.....	8805.20.0000	8805.20.0000

**Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers and HTSUSA Import Numbers: 2000**

Product code	Product description	Export number 1/	Import number 2/
335999A000	Ultrasonic equipment, n.e.c. ....	8456.10.0000 8456.20.0000 8479.89.9585	8456.20.1010 8456.20.1050 8456.20.5000 8479.89.9585

NA Not available. n.e.c. Not elsewhere classified.

1/Source: 2000 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2000).