

A Preview of the 1997 Benchmark Input-Output Accounts

New Detailed and Summary Industries

In December 2002, BEA will release the 1997 benchmark input-output (I-O) accounts of the United States, the ninth in a series of benchmark accounts. The last benchmark accounts were for the year 1992 and were released in November 1997.

The list of industries provided with this note represents the level of detail that will be used in the presentation of the 1997 benchmark I-O accounts. As reported in a note in the December 2001 *SURVEY OF CURRENT BUSINESS*, the 1997 benchmark accounts will present industries on the basis of the 1997 North American Industry Classification System (NAICS), which has replaced the 1987 Standard Industrial Classification (SIC) system for the collection and presentation of industry data.¹ The NAICS-based I-O industry classification system differs in structure and format from that used for the 1992 and earlier benchmark accounts.²

The 1997 benchmark I-O accounts on the NAICS basis and the 1992 benchmark I-O accounts on the SIC basis cover about the same number of detailed industries, but they differ in their coverage of goods-producing industries and services-providing industries (see the accompanying table).³ The larger number of services industries in the 1997 benchmark accounts reflects both

the increased information that is now available about these industries and the reclassification of some industries from goods-producing sectors to services-providing sectors by NAICS.

Aggregation level	1992 benchmark I-O	1997 benchmark I-O
Total detailed industries.....	493	490
Goods producing	407	389
Services providing.....	86	101
Total summary industries	93	130
Goods producing	62	69
Services providing.....	31	61

Table A, which follows, provides a list of the I-O industries and their NAICS codes. The summary industries are shown in bold print, and the detailed industries are shown in regular print.

The NAICS-based I-O accounts described here and the SIC-based I-O accounts that are being superseded are sometimes called alternative I-O accounts.⁴ For 1997, as in the past, BEA will also produce a second set of I-O accounts that are sometimes called traditional I-O accounts. In the 1997 traditional I-O accounts, further changes to the NAICS industries that have differing and distinctive production processes will be made. For example, in the traditional accounts, lodging services and food and beverage services that are provided by hotels and that are presented together in the alternative I-O accounts will be separated, and food and beverage services will be presented with the food and beverage industry. Thus, even though NAICS is a production-based classification system, further isolation of industries with distinguishable production processes is necessary to facilitate Leontief-type analysis, such as the calculation of total input requirements (direct and indirect) for each industry from changes in final demand.

1. For BEA's schedule of conversion, see John R. Kort, "The North American Industry Classification System in BEA's Economic Accounts," *SURVEY 81* (May 2001): 12. For details about the differences between the 1987 Standard Industrial Classification system and the 1997 NAICS, see the Census Bureau's Web site at <www.census.gov>.

2. Karen J. Horowitz and Stephanie H. McCulla, "Upcoming Changes in the NAICS-Based 1997 Benchmark Input-Output Accounts," *SURVEY 81* (December 2001): 71-73.

3. Goods-producing sectors consist of agriculture, forestry, fishing and hunting; mining; construction; and manufacturing. Services-providing sectors consist of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance and insurance; real estate and rental and leasing; professional and technical services; management of companies and enterprises; administrative and waste services; educational services; health care and social assistance; arts, entertainment, and recreation; accommodation and food services; other services, except public administration; and government industries. Some industries that were classified as goods producing in the SIC system are now classified as services providing in NAICS. For example, printing and publishing was classified as a goods-producing manufacturing industry in the SIC system, but is now classified as a services-providing information industry. For more information on the NAICS and the changes in industry classification, see Executive Office of the President, Office of Management and Budget, *North American Industry Classification System, United States, 1997* (Lanham, MD: Bernan Press).

4. For a description of the traditional and alternative tables provided for the 1992 benchmark I-O accounts, see *Benchmark Input-Output Accounts of the United States, 1992* (September 1998): M-6, or go to <www.bea.gov> and click on "Industry: Articles."

Ann M. Lawson and Karen J. Horowitz prepared the note.

Table A. Industries in the 1997 Benchmark Input-Output Accounts

The titles in boldface represent the industries used for the summary version of the 1997 tables. An asterisk following a North American Industry Classification System (NAICS) code indicates that the NAICS industry is included in more than one I-O industry.

I-O industry number and title	Related 1997 NAICS codes	I-O industry number and title	Related 1997 NAICS codes
AGRICULTURE, FORESTRY, FISHING AND HUNTING		MANUFACTURING	
1110 Crop production		3110 Food manufacturing	
1111A0 Oilseed farming.....	11111, 11112	311111 Dog and cat food manufacturing.....	311111
1111B0 Grain farming.....	11113, 11114, 11115, 11116, 11119	311119 Other animal food manufacturing.....	311119
111200 Vegetable and melon farming.....	1112	311211 Flour milling.....	311211
1113A0 Fruit farming.....	11131, 11132, 111331-4, 111336, 111339	311212 Rice milling.....	311212
111335 Tree nut farming.....	111335	311213 Malt manufacturing.....	311213
111400 Greenhouse and nursery production.....	1114	311221 Wet corn milling.....	311221
111910 Tobacco farming.....	11191	311222 Soybean processing.....	311222
111920 Cotton farming.....	11192	311223 Other oilseed processing.....	311223
1119A0 Sugarcane and sugar beet farming.....	11193, 111991	311225 Fats and oils refining and blending.....	311225
1119B0 All other crop farming.....	11194, 111992, 111998	311230 Breakfast cereal manufacturing.....	31123
1120 Animal production		311310 Sugar manufacturing.....	31131
112100 Cattle ranching and farming.....	1121	311320 Confectionery manufacturing from cacao beans.....	31132
112300 Poultry and egg production.....	1123	311330 Confectionery manufacturing from purchased chocolate.....	31133
112A00 Animal production, except cattle and poultry and eggs.....	1122, 1124, 1125, 1129	311340 Nonchocolate confectionery manufacturing.....	31134
1130 Forestry and logging		311410 Frozen food manufacturing.....	31141
113A00 Forest nurseries, forest products, and timber tracts.....	1131, 1132	311420 Fruit and vegetable canning and drying.....	31142
113300 Logging.....	1133	311511 Fluid milk manufacturing.....	311511
1140 Fishing, hunting and trapping		311512 Creamery butter manufacturing.....	311512
114100 Fishing.....	1141	311513 Cheese manufacturing.....	311513
114200 Hunting and trapping.....	1142	311514 Dry, condensed, and evaporated dairy products.....	311514
1150 Agriculture and forestry support activities		311520 Ice cream and frozen dessert manufacturing.....	31152
115000 Agriculture and forestry support activities.....	115	311611 Animal, except poultry, slaughtering.....	311611
MINING		311612 Meat processed from carcasses.....	311612
2110 Oil and gas extraction		311613 Rendering and meat byproduct processing.....	311613
211000 Oil and gas extraction.....	211	311615 Poultry processing.....	311615
2121 Coal mining		311700 Seafood product preparation and packaging.....	3117
212100 Coal mining.....	2121	31181A Bread and bakery product, except frozen, manufacturing.....	311811-2
2122 Metal ores mining		311813 Frozen cakes and other pastries manufacturing.....	311813
212210 Iron ore mining.....	21221	311821 Cookie and cracker manufacturing.....	311821
212230 Copper, nickel, lead, and zinc mining.....	21223	311822 Mixes and dough made from purchased flour.....	311822
2122A0 Gold, silver, and other metal ore mining.....	21222, 21229	311823 Dry pasta manufacturing.....	311823
2123 Nonmetallic mineral mining and quarrying		311830 Tortilla manufacturing.....	31183
212310 Stone mining and quarrying.....	21231	311911 Roasted nuts and peanut butter manufacturing.....	311911
212320 Sand, gravel, clay, and refractory mining.....	21232	311919 Other snack food manufacturing.....	311919
212390 Other nonmetallic mineral mining.....	21239	311920 Coffee and tea manufacturing.....	31192
2130 Support activities for mining		311930 Flavoring syrup and concentrate manufacturing.....	31193
213111 Drilling oil and gas wells.....	213111	311941 Mayonnaise, dressing, and sauce manufacturing.....	311941
213112 Support activities for oil and gas operations.....	213112	311942 Spice and extract manufacturing.....	311942
21311A Support activities for other mining.....	213113-5	311990 All other food manufacturing.....	31199
UTILITIES		3121 Beverage manufacturing	
2211 Power generation and supply		312110 Soft drink and ice manufacturing.....	31211
221100 Power generation and supply.....	2211	312120 Breweries.....	31212
2212 Natural gas distribution		312130 Wineries.....	31213
221200 Natural gas distribution.....	2212	312140 Distilleries.....	31214
2213 Water, sewage and other systems		3122 Tobacco manufacturing	
221300 Water, sewage and other systems.....	2213	312210 Tobacco stemming and redrying.....	31221
CONSTRUCTION		312221 Cigarette manufacturing.....	312221
2301 New residential construction		312229 Other tobacco product manufacturing.....	312229
230110 New residential 1-unit structures, nonfarm.....	23*	3130 Textile mills	
230120 New multifamily housing structures, nonfarm.....	23*	313100 Fiber, yarn, and thread mills.....	3131
230130 New residential additions and alterations, nonfarm.....	23*	313210 Broadwoven fabric mills.....	31321
230140 New farm housing units and additions and alterations.....	23*	313220 Narrow fabric mills and schiffli embroidery.....	31322
2302 New nonresidential construction		313230 Nonwoven fabric mills.....	31323
230210 Manufacturing and industrial buildings.....	23*	313240 Knit fabric mills.....	31324
230220 Commercial and institutional buildings.....	23*	313310 Textile and fabric finishing mills.....	31331
230230 Highway, street, bridge, and tunnel construction.....	23*	313320 Fabric coating mills.....	31332
230240 Water, sewer, and pipeline construction.....	23*	3140 Textile product mills	
230250 Other new construction.....	23*	314110 Carpet and rug mills.....	31411
2303 Maintenance and repair construction		314120 Curtain and linen mills.....	31412
230310 Maintenance and repair of farm and nonfarm residential structures.....	23*	314910 Textile bag and canvas mills.....	31491
230320 Maintenance and repair of nonresidential buildings.....	23*	314992 Tire cord and tire fabric mills.....	314992
230330 Maintenance and repair of highways, streets, bridges, and tunnels.....	23*	31499A Other miscellaneous textile product mills.....	314991, 314999
230340 Other maintenance and repair construction.....	23*	3150 Apparel manufacturing	
		315111 Sheer hosiery mills.....	315111
		315119 Other hosiery and sock mills.....	315119
		315190 Other apparel knitting mills.....	31519
		315200 Cut and sew apparel manufacturing.....	3152
		315900 Accessories and other apparel manufacturing.....	3159
		3160 Leather and allied product manufacturing	
		316100 Leather and hide tanning and finishing.....	3161
		316200 Footwear manufacturing.....	3162
		316900 Other leather product manufacturing.....	3169
		3210 Wood product manufacturing	
		321113 Sawmills.....	321113
		321114 Wood preservation.....	321114
		32121A Veneer and plywood manufacturing.....	321211-2

Table A. Industries in the 1997 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1997 NAICS codes	I-O industry number and title	Related 1997 NAICS codes
32121B Engineered wood member and truss manufacturing.....	321213-4	326192 Resilient floor covering manufacturing	326192
321219 Reconstituted wood product manufacturing	321219	32619A Plastics plumbing fixtures and all other plastics products	326191, 326199
321911 Wood windows and door manufacturing	321911	326210 Tire manufacturing	32621
321912 Cut stock, resawing lumber, and planing	321912	326220 Rubber and plastics hose and belting manufacturing	32622
321918 Other millwork, including flooring.....	321918	326290 Other rubber product manufacturing	32629
321920 Wood container and pallet manufacturing.....	32192		
321991 Manufactured home, mobile home, manufacturing	321991	3270 Nonmetallic mineral product manufacturing	
321992 Prefabricated wood building manufacturing	321992	327111 Vitreous china plumbing fixture manufacturing	327111
321999 Miscellaneous wood product manufacturing	321999	327112 Vitreous china and earthenware articles manufacturing.....	327112
3221 Pulp, paper, and paperboard mills		327113 Porcelain electrical supply manufacturing.....	327113
322110 Pulp mills.....	32211	327121 Brick and structural clay tile manufacturing	327121
3221A0 Paper and paperboard mills	32212, 32213	327122 Ceramic wall and floor tile manufacturing.....	327122
3222 Converted paper product manufacturing		32712A Clay refractory and other structural clay products	327123-4
322210 Paperboard container manufacturing.....	32221	327125 Nonclay refractory manufacturing.....	327125
32222A Coated and laminated paper and packaging materials	322221-2	327213 Glass container manufacturing	327213
32222B Coated and uncoated paper bag manufacturing	322223-4	32721A Glass and glass products, except glass containers.....	327211-2, 327215
322225 Flexible packaging foil manufacturing	322225	327310 Cement manufacturing.....	32731
322226 Surface-coated paperboard manufacturing	322226	327320 Ready-mix concrete manufacturing	32732
322231 Die-cut paper office supplies manufacturing.....	322231	327331 Concrete block and brick manufacturing.....	327331
322232 Envelope manufacturing	322232	327332 Concrete pipe manufacturing.....	327332
322233 Stationery and related product manufacturing.....	322233	327390 Other concrete product manufacturing	32739
322291 Sanitary paper product manufacturing.....	322291	327410 Lime manufacturing.....	32741
322299 All other converted paper product manufacturing.....	322299	327420 Gypsum product manufacturing	32742
3230 Printing and related support activities		327910 Abrasive product manufacturing	32791
32311A Commercial printing.....	323110-5, 323119	327991 Cut stone and stone product manufacturing	327991
323116 Manifold business forms printing	323116	327992 Ground or treated minerals and earths manufacturing.....	327992
323117 Books printing.....	323117	327993 Mineral wool manufacturing	327993
323118 Blankbook and looseleaf binder manufacturing	323118	327999 Miscellaneous nonmetallic mineral products	327999
323121 Tradebinding and related work.....	323121	331A Iron and steel mills and manufacturing from purchased steel	
323122 Prepress services.....	323122	331111 Iron and steel mills	331111
3240 Petroleum and coal products manufacturing		331112 Ferroalloy and related product manufacturing	331112
324110 Petroleum refineries.....	32411	331210 Iron, steel pipe and tube from purchased steel	33121
324121 Asphalt paving mixture and block manufacturing	324121	331221 Rolled steel shape manufacturing	331221
324122 Asphalt shingle and coating materials manufacturing.....	324122	331222 Steel wire drawing	331222
324191 Petroleum lubricating oil and grease manufacturing.....	324191	331B Nonferrous metal production and processing	
324199 All other petroleum and coal products manufacturing	324199	331311 Alumina refining.....	331311
3251 Basic chemical manufacturing		331312 Primary aluminum production	331312
325110 Petrochemical manufacturing	32511	331314 Secondary smelting and alloying of aluminum	331314
325120 Industrial gas manufacturing	32512	331315 Aluminum sheet, plate, and foil manufacturing.....	331315
325130 Synthetic dye and pigment manufacturing.....	32513	331316 Aluminum extruded product manufacturing	331316
325180 Other basic inorganic chemical manufacturing	32518	331319 Other aluminum rolling and drawing.....	331319
325190 Other basic organic chemical manufacturing	32519	331411 Primary smelting and refining of copper.....	331411
3252 Resin, rubber, and artificial fibers manufacturing		331419 Primary nonferrous metal, except copper and aluminum	331419
325211 Plastics material and resin manufacturing	325211	331421 Copper rolling, drawing, and extruding.....	331421
325212 Synthetic rubber manufacturing.....	325212	331422 Copper wire, except mechanical, drawing.....	331422
325221 Cellulosic organic fiber manufacturing.....	325221	331423 Secondary processing of copper	331423
325222 Noncellulosic organic fiber manufacturing.....	325222	331491 Nonferrous metal, except copper and aluminum, shaping.....	331491
3253 Agricultural chemical manufacturing		331492 Secondary processing of other nonferrous.....	331492
325311 Nitrogenous fertilizer manufacturing.....	325311	3315 Foundries	
325312 Phosphatic fertilizer manufacturing	325312	331510 Ferrous metal foundries	33151
325314 Fertilizer, mixing only, manufacturing.....	325314	33152A Aluminum foundries	331521, 331524
325320 Pesticide and other agricultural chemical manufacturing.....	32532	33152B Nonferrous foundries, except aluminum.....	331522, 331525, 331528
3254 Pharmaceutical and medicine manufacturing		3321 Forging and stamping	
325400 Pharmaceutical and medicine manufacturing	3254	332111 Iron and steel forging.....	332111
3255 Paint, coating, and adhesive manufacturing		332112 Nonferrous forging	332112
325510 Paint and coating manufacturing	32551	332114 Custom roll forming.....	332114
325520 Adhesive manufacturing	32552	33211A All other forging and stamping	332115-7
3256 Soap, cleaning compound, and toiletry manufacturing		3322 Cutlery and handtool manufacturing	
325611 Soap and other detergent manufacturing.....	325611	332211 Cutlery and flatware, except precious, manufacturing	332211
325612 Polish and other sanitation good manufacturing.....	325612	332212 Hand and edge tool manufacturing	332212
325613 Surface active agent manufacturing.....	325613	332213 Saw blade and handsaw manufacturing.....	332213
325620 Toilet preparation manufacturing	32562	332214 Kitchen utensil, pot, and pan manufacturing.....	332214
3259 Other chemical product and preparation manufacturing		3323 Architectural and structural metals manufacturing	
325910 Printing ink manufacturing.....	32591	332311 Prefabricated metal buildings and components	332311
325920 Explosives manufacturing.....	32592	332312 Fabricated structural metal manufacturing.....	332312
325991 Custom compounding of purchased resins.....	325991	332313 Plate work manufacturing	332313
325992 Photographic film and chemical manufacturing.....	325992	332321 Metal window and door manufacturing.....	332321
325998 Other miscellaneous chemical product manufacturing	325998	332322 Sheet metal work manufacturing	332322
3260 Plastics and rubber products manufacturing		332323 Ornamental and architectural metal work manufacturing.....	332323
326110 Plastics packaging materials, film and sheet.....	32611	3324 Boiler, tank, and shipping container manufacturing	
326120 Plastics pipe, fittings, and profile shapes.....	32612	332410 Power boiler and heat exchanger manufacturing	33241
326130 Laminated plastics plate, sheet, and shapes	32613	332420 Metal tank, heavy gauge, manufacturing.....	33242
3261A0 Foam product manufacturing.....	32614, 32615	332430 Metal can, box, and other container manufacturing.....	33243
326160 Plastics bottle manufacturing.....	32616	332A Ordnance and accessories manufacturing	
		33299A Ammunition manufacturing	332992-3
		332994 Small arms manufacturing.....	332994
		332995 Other ordnance and accessories manufacturing.....	332995

Table A. Industries in the 1997 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1997 NAICS codes	I-O industry number and title	Related 1997 NAICS codes
332B Other fabricated metal product manufacturing		3344 Semiconductor and electronic component manufacturing	
332500 Hardware manufacturing.....	3325	334411 Electron tube manufacturing.....	334411
332600 Spring and wire product manufacturing.....	3326	334413 Semiconductors and related device manufacturing.....	334413
332710 Machine shops.....	33271	33441A All other electronic component manufacturing.....	334412, 334414-9
332720 Turned product and screw, nut, and bolt manufacturing.....	33272		
332811 Metal heat treating.....	332811	3345 Electronic instrument manufacturing	
332812 Metal coating and nonprecious engraving.....	332812	334510 Electromedical apparatus manufacturing.....	334510
332813 Electroplating, anodizing, and coloring metal.....	332813	334511 Search, detection, and navigation instruments.....	334511
332910 Metal valve manufacturing.....	33291	334512 Automatic environmental control manufacturing.....	334512
332991 Ball and roller bearing manufacturing.....	332991	334513 Industrial process variable instruments.....	334513
332996 Fabricated pipe and pipe fitting manufacturing.....	332996	334514 Totalizing fluid meters and counting devices.....	334514
332997 Industrial pattern manufacturing.....	332997	334515 Electricity and signal testing instruments.....	334515
332998 Enameled iron and metal sanitary ware manufacturing.....	332998	334516 Analytical laboratory instrument manufacturing.....	334516
332999 Miscellaneous fabricated metal product manufacturing.....	332999	334517 Irradiation apparatus manufacturing.....	334517
		33451A Watch, clock, and other measuring and controlling device manufacturing.....	334518-9
3331 Agriculture, construction, and mining machinery		3346 Magnetic media manufacturing and reproducing	
333111 Farm machinery and equipment manufacturing.....	333111	334611 Software reproducing.....	334611
333112 Lawn and garden equipment manufacturing.....	333112	334612 Audio and video media reproduction.....	334612
333120 Construction machinery manufacturing.....	33312	334613 Magnetic and optical recording media manufacturing.....	334613
333131 Mining machinery and equipment manufacturing.....	333131		
333132 Oil and gas field machinery and equipment.....	333132	3351 Electric lighting equipment manufacturing	
		335110 Electric lamp bulb and part manufacturing.....	33511
3332 Industrial machinery manufacturing		335120 Lighting fixture manufacturing.....	33512
333210 Sawmill and woodworking machinery.....	33321		
333220 Plastics and rubber industry machinery.....	33322	3352 Household appliance manufacturing	
333291 Paper industry machinery manufacturing.....	333291	335211 Electric housewares and household fan manufacturing.....	335211
333292 Textile machinery manufacturing.....	333292	335212 Household vacuum cleaner manufacturing.....	335212
333293 Printing machinery and equipment manufacturing.....	333293	335221 Household cooking appliance manufacturing.....	335221
333294 Food product machinery manufacturing.....	333294	335222 Household refrigerator and home freezer manufacturing.....	335222
333295 Semiconductor machinery manufacturing.....	333295	335224 Household laundry equipment manufacturing.....	335224
333298 All other industrial machinery manufacturing.....	333298	335228 Other major household appliance manufacturing.....	335228
		3353 Electrical equipment manufacturing	
3333 Commercial and service industry machinery		335311 Electric power and specialty transformer manufacturing.....	335311
33331A Automatic vending, commercial laundry and drycleaning machinery.....	333311-2	335312 Motor and generator manufacturing.....	335312
333313 Office machinery manufacturing.....	333313	335313 Switchgear and switchboard apparatus manufacturing.....	335313
333314 Optical instrument and lens manufacturing.....	333314	335314 Relay and industrial control manufacturing.....	335314
333315 Photographic and photocopying equipment manufacturing.....	333315		
333319 Other commercial and service machinery manufacturing.....	333319	3359 Other electrical equipment and component manufacturing	
		335911 Storage battery manufacturing.....	335911
3334 HVAC and commercial refrigeration equipment		335912 Primary battery manufacturing.....	335912
333411 Air purification equipment manufacturing.....	333411	335921 Fiber optic cable manufacturing.....	335921
333412 Industrial and commercial fan and blower manufacturing.....	333412	335929 Other communication and energy wire manufacturing.....	335929
333414 Heating equipment, except warm air furnaces.....	333414	335930 Wiring device manufacturing.....	335930
333415 AC, refrigeration, and forced air heating.....	333415	335991 Carbon and graphite product manufacturing.....	335991
		335999 Miscellaneous electrical equipment manufacturing.....	335999
3335 Metalworking machinery manufacturing		3361 Motor vehicle manufacturing	
333511 Industrial mold manufacturing.....	333511	336110 Automobile and light truck manufacturing.....	33611
333512 Metal cutting machine tool manufacturing.....	333512	336120 Heavy duty truck manufacturing.....	33612
333513 Metal forming machine tool manufacturing.....	333513		
333514 Special tool, die, jig, and fixture manufacturing.....	333514	336A Motor vehicle body, trailer, and parts manufacturing	
333515 Cutting tool and machine tool accessory manufacturing.....	333515	336211 Motor vehicle body manufacturing.....	336211
33351A Rolling mill and other metalworking machinery.....	333516, 333518	336212 Truck trailer manufacturing.....	336212
		336213 Motor home manufacturing.....	336213
3336 Turbine and power transmission equipment manufacturing		336214 Travel trailer and camper manufacturing.....	336214
333611 Turbine and turbine generator set units manufacturing.....	333611	336300 Motor vehicle parts manufacturing.....	3363
33361A Speed changers and mechanical power transmission equipment.....	333612-3		
333618 Other engine equipment manufacturing.....	333618	3364 Aerospace product and parts manufacturing	
		336411 Aircraft manufacturing.....	336411
3339 Other general purpose machinery manufacturing		336412 Aircraft engine and engine parts manufacturing.....	336412
333911 Pump and pumping equipment manufacturing.....	333911	336413 Other aircraft parts and equipment.....	336413
333912 Air and gas compressor manufacturing.....	333912	336414 Guided missile and space vehicle manufacturing.....	336414
333913 Measuring and dispensing pump manufacturing.....	333913	33641A Propulsion units and parts for space vehicles and guided missiles...	336415, 336419
333921 Elevator and moving stairway manufacturing.....	333921		
333922 Conveyor and conveying equipment manufacturing.....	333922	336B Other transportation equipment manufacturing	
333923 Overhead cranes, hoists, and monorail systems.....	333923	336500 Railroad rolling stock manufacturing.....	3365
333924 Industrial truck, trailer, and stacker manufacturing.....	333924	336611 Ship building and repairing.....	336611
333991 Power-driven handtool manufacturing.....	333991	336612 Boat building.....	336612
333992 Welding and soldering equipment manufacturing.....	333992	336991 Motorcycle, bicycle, and parts manufacturing.....	336991
333993 Packaging machinery manufacturing.....	333993	336992 Military armored vehicles and tank parts manufacturing.....	336992
333994 Industrial process furnace and oven manufacturing.....	333994	336999 All other transportation equipment manufacturing.....	336999
333995 Fluid power cylinder and actuator manufacturing.....	333995		
333996 Fluid power pump and motor manufacturing.....	333996	3370 Furniture and related product manufacturing	
33399A Scales, balances, and miscellaneous general purpose machinery.....	333997, 333999	337110 Wood kitchen cabinet and countertop manufacturing.....	33711
		337121 Upholstered household furniture manufacturing.....	337121
3341 Computer and peripheral equipment manufacturing		337122 Nonupholstered wood household furniture manufacturing.....	337122
334111 Electronic computer manufacturing.....	334111	337124 Metal household furniture manufacturing.....	337124
334112 Computer storage device manufacturing.....	334112	337127 Institutional furniture manufacturing.....	337127
334113 Computer terminal manufacturing.....	334113	33712A Other household and institutional furniture.....	337125, 337129
334119 Other computer peripheral equipment manufacturing.....	334119	337211 Wood office furniture manufacturing.....	337211
		337212 Custom architectural woodwork and millwork.....	337212
334A Audio, video, and communications equipment manufacturing		337214 Office furniture, except wood, manufacturing.....	337214
334210 Telephone apparatus manufacturing.....	33421		
334220 Broadcast and wireless communications equipment.....	33422		
334290 Other communications equipment manufacturing.....	33429		
334300 Audio and video equipment manufacturing.....	3343		

Table A. Industries in the 1997 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1997 NAICS codes	I-O industry number and title	Related 1997 NAICS codes
5419 Other professional and technical services			
541920 Photographic services	54192	711500 Independent artists, writers, and performers	7115
541940 Veterinary services	54194	712000 Museums, historical sites, zoos, and parks	712
5419A0 All other miscellaneous professional and technical services	54191, 54193, 54199	7130 Amusements, gambling, and recreation	
MANAGEMENT OF COMPANIES AND ENTERPRISES		713940 Fitness and recreational sports centers	71394
5500 Management of companies and enterprises		713950 Bowling centers	71395
550000 Management of companies and enterprises	55	713A00 Other amusement, gambling, and recreation industries	7131, 7132, 71391, 71392, 71393, 71399
ADMINISTRATIVE AND WASTE SERVICES		ACCOMMODATION AND FOOD SERVICES	
5613 Employment services		7210 Accommodation	
561300 Employment services	5613	7211A0 Hotels and motels, including casino hotels	72111, 72112
5615 Travel arrangement and reservation services		721A00 Other accommodations	72119, 7212, 7213
561500 Travel arrangement and reservation services	5615	7220 Food services and drinking places	
561A All other administrative and support services		722000 Food services and drinking places	722
561100 Office administrative services	5611	OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION	
561200 Facilities support services	5612	8111 Automotive repair and maintenance	
561400 Business support services	5614	8111A0 Automotive repair and maintenance, except car washes	81111, 81112, 811191, 811198
561600 Investigation and security services	5616	811192 Car washes	811192
561700 Services to buildings and dwellings	5617	811A Electronic, commercial, and household goods repair	
561900 Other support services	5619	812000 Electronic equipment repair and maintenance	8112
5620 Waste management and remediation services		811300 Commercial machinery repair and maintenance	8113
562000 Waste management and remediation services	562	811400 Household goods repair and maintenance	8114
EDUCATIONAL SERVICES		8120 Personal and laundry services	
6100 Educational services		812100 Personal care services	8121
611100 Elementary and secondary schools	6111	812200 Death care services	8122
611A00 Colleges, universities, and junior colleges	6112, 6113	812300 Drycleaning and laundry services	8123
611B00 Other educational services	6114, 6115, 6116, 6117	812900 Other personal services	8129
HEALTH CARE AND SOCIAL ASSISTANCE		813A Religious, grantmaking and giving, and social advocacy organizations	
6210 Ambulatory health care services		813100 Religious organizations	8131
621A00 Offices of physicians, dentists, and other health practitioners	6211, 6212, 6213	813A00 Grantmaking and giving and social advocacy organizations	8132, 8133
621600 Home health care services	6216	813B Civic, social, professional and similar organizations	
621B00 Other ambulatory health care services	6214, 6215, 6219	813B00 Civic, social, professional and similar organizations	8134, 8139
6220 Hospitals		8140 Private households	
622000 Hospitals	622	814000 Private households	814
6230 Nursing and residential care facilities		GOVERNMENT INDUSTRIES	
623000 Nursing and residential care facilities	623	S001 Federal Government enterprises	
6240 Social assistance		491000 Postal service	491
624400 Child day care services	6244	S00101 Federal electric utilities	
624A00 Social assistance, except child day care services	6241, 6242, 6243	S00102 Other Federal Government enterprises	
ARTS, ENTERTAINMENT, AND RECREATION		S002 State and local government enterprises	
71A0 Performing arts, spectator sports, museums, zoos, and parks		S00201 State and local government passenger transit	
711100 Performing arts companies	7111	S00202 State and local government electric utilities	
711200 Spectator sports	7112	S00203 Other State and local government enterprises	
711A00 Promoters of performing arts and sports and agents for public figures	7113, 7114	S005 General government industry	
		S00500 General government industry	