U.S. DEPARTMENT OF COMMERCE
Bureau of Economic Analysis

GUIDE TO INDUSTRY CLASSIFICATIONS FOR INTERNATIONAL SURVEYS, 2012

Industry classifications adapted from the 2012 North American Industry Classification System (NAICS)

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

BUREAU OF ECONOMIC ANALYSIS
U.S. DEPARTMENT OF COMMERCE

BE-799 (REV. 2-2012)

INDUSTRY CLASSIFICATIONS

The international surveys industry (ISI) classifications described here are to be used when completing the industry classifications items in BEA's surveys of direct investment and services. The classifications and their code numbers were adapted by BEA from the 2012 North American Industry Classification System (hereafter referred to as the "2012 NAICS"). Industry classifications in the previous version of this guide were adapted from the 2007 North American Industry Classification System.

Changes to ISI codes

Reflecting the changes made to the NAICS for 2012, the new 2012 ISI classifications differ minimally from the 2007 ISI classifications. The table below summarizes the few reclassifications of activities that use a different ISI code from 2007:

Activity that is reclassified	From: 2007 International Surveys Industry		To: 2012 International Surveys Industry	
	Name	Code	Name	Code
MANUFACTURING				
Wood television, radio, and sewing machine cabinet manufacturing	Furniture and related products manufacturing	3370 (part)	Wood products manufacturing	3210 (part)
Digital camera manufacturing	Computer and peripheral equipment manufacturing	3341 (part)	Commercial and service industry machinery manufacturing	3333 (part)
WHOLESALE TRADE				
Gas household appliances wholesalers	Hardware, and plumbing and heating equipment and supplies merchant wholesalers	4237 (part)	Household appliances and electrical and electronic goods merchant wholesalers	4236 (part)
Electric water heater wholesalers	Electrical and electronic goods merchant wholesalers	4236 (part)	Hardware, and plumbing and heating equipment and supplies merchant wholesalers	4237 (part)
RETAIL TRADE				
Prerecorded tape, compact disc, and record stores	Sporting goods, hobby, book, and music stores	4510 (part)	Electronics and appliance stores	4431 (part)

Guide used in FDIUS 2013 Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

For additional information, refer to the detailed description of the ISI codes that follow in this guide and in the 2012 NAICS manual.

For reporting on BEA surveys, 201 individual ISI classifications were adapted from the 2012 NAICS, and each has been assigned a four-digit numerical code. (The previously used 2007 ISI classifications also had 201 four-digit codes.) The titles of some ISI classifications, by themselves, may not be sufficiently descriptive to classify certain activities. More information on the content of each classification is provided in the detailed definitions that follow. For some classifications, a "NOTE" given after the definition lists closely related activities and ISI codes NOT included in the classification being defined.

For the convenience of those reporters familiar with the 2012 NAICS, the 2012 NAICS code or codes that correspond to a given ISI classification are shown in parentheses under the heading of each ISI classification. Because differences between a given ISI classification and the corresponding 2012 NAICS classification(s) may exist, the detailed definitions of the ISI classifications should be consulted when completing industry classification items in BEA surveys.

SUMMARY OF INDUSTRY CLASSIFICATIONS

AGRICULTURE, FORESTRY, FISHING, AND HUNTING

1110 Crop production
1120 Animal production and aquaculture
1130 Forestry and logging
1140 Fishing, hunting, and trapping
1150 Support activities for agriculture and forestry

MINING, QUARRYING, AND OIL AND GAS EXTRACTION

2111 Oil and gas extraction
2121 Coal
2123 Nonmetallic minerals
2124 Iron ores
2125 Gold and silver ores
2126 Copper, nickel, lead, and zinc ores
2127 Other metal ores
2132 Support activities for oil and gas operations
2133 Support activities for mining, except for oil and gas operations

UTILITIES

2211 Electric power generation, transmission, and distribution
2212 Natural gas distribution
2213 Water, sewage, and other systems

CONSTRUCTION

2360 Construction of buildings
2370 Heavy and civil engineering construction
2380 Specialty trade contractors

MANUFACTURING

3111 Animal foods
3112 Grain and oilseed milling
3113 Sugar and confectionery products
3114 Fruit and vegetable preserving and specialty foods
3115 Dairy products
3116 Meat products
3117 Seafood product preparation and packaging
3118 Bakeries and tortillas
3119 Other food products
3121 Beverages
3122 Tobacco
3130 Textile mills
3140 Textile product mills
3150 Apparel
3160 Leather and allied products
3210 Wood products
3221 Pulp, paper, and paperboard mills
3222 Converted paper products
3231 Printing and related support activities
3242 Integrated petroleum refining and extraction
3243 Petroleum refining without extraction
3244 Asphalt and other petroleum and coal products
3251 Basic chemicals
3252 Resins, synthetic rubbers, and artificial and synthetic fibers and filaments
3253 Pesticides, fertilizers, and other agricultural chemicals
3254 Pharmaceuticals and medicines
3255 Paints, coatings, and adhesives
3256 Soap, cleaning compounds, and toilet preparations
3259 Other chemical products and preparations
3261 Plastics products
3262 Rubber products
3271 Clay products and refractories
3272 Glass and glass products
3273 Cement and concrete products
3274 Lime and gypsum products
3279 Other nonmetallic mineral products
3311 Iron and steel mills and ferroalloys
3312 Steel products from purchased steel
3313 Alumina and aluminum production and processing
3314 Nonferrous metal (except aluminum) production and processing
3315 Foundries
3321 Forging and stamping
3322 Cutlery and handtools
3323 Architectural and structural metals
3324 Boilers, tanks, and shipping containers
3325 Hardware
3326 Spring and wire products
3327 Machine shops; turned products; and screws, nuts, and bolts
3328 Coating, engraving, heat treating, and allied activities
3329 Other fabricated metal products
3331 Agriculture, construction, and mining machinery
3332 Industrial machinery
3333 Commercial and service industry machinery
3334 Ventilation, heating, air-conditioning, and commercial refrigeration equipment
3335 Metalworking machinery
3336 Engines, turbines, and power transmission equipment
3339 Other general purpose machinery
3341 Computer and peripheral equipment
3342 Communications equipment
3343 Audio and video equipment
3344 Semiconductors and other electronic components
3345 Navigational, measuring, electromedical, and control instruments
3346 Manufacturing and reproducing magnetic and optical media
3351 Electric lighting equipment
3352 Household appliances
3353 Electrical equipment
3359 Other electrical equipment and components
3361 Motor vehicles
3362 Motor vehicle bodies and trailers
3363 Motor vehicle parts
3364 Aerospace products and parts
3365 Railroad rolling stock
3366 Ship and boat building
3369 Other transportation equipment
3370 Furniture and related products
3391 Medical equipment and supplies
3399 Other miscellaneous manufacturing

WHOLESALE TRADE

MERCHANT WHOLESALERS, DURABLE GOODS

4231 Motor vehicles and motor vehicle parts and supplies merchant wholesalers
4232 Furniture and home furnishing merchant wholesalers
4233 Lumber and other construction materials merchant wholesalers
4234 Professional and commercial equipment and supplies merchant wholesalers
4235 Metal and mineral (except petroleum) merchant wholesalers
4236 Household appliances, and electrical and electronic goods merchant wholesalers
4237 Hardware, and plumbing and heating equipment and supplies merchant wholesalers
4238 Machinery, equipment, and supplies merchant wholesalers
4239 Miscellaneous durable goods merchant wholesalers

MERCHANT WHOLESALERS, NONDURABLE GOODS

4241 Paper and paper product merchant wholesalers
4242 Drugs and druggists' sundries merchant wholesalers
4243 Apparel, piece goods, and notions merchant wholesalers
4244 Grocery and related product merchant wholesalers
4245 Farm product raw material merchant wholesalers
4246 Chemical and allied products merchant wholesalers
4247 Petroleum and petroleum products merchant wholesalers
4248 Beer, wine, and distilled alcoholic beverage merchant wholesalers
4249 Miscellaneous nondurable goods merchant wholesalers

ELECTRONIC MARKETS AND AGENTS AND BROKERS

4251 Wholesale electronic markets and agents and brokers

RETAIL TRADE

4410 Motor vehicle and parts dealers
4420 Furniture and home furnishings stores
4431 Electronics and appliance stores
4440 Building material and garden equipment and supplies dealers
4450 Food and beverage stores
4461 Health and personal care stores
4471 Gasoline stations
4480 Clothing and clothing accessories stores
4510 Sporting goods, hobby, musical instrument, and book stores
4520 General merchandise stores
4530 Miscellaneous store retailers
4540 Nonstore retailers

Guide based on FDIUS 2009 Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

TRANSPORTATION AND WAREHOUSING

4810 Air transportation
4821 Rail transportation
4833 Petroleum tanker operations
4839 Other water transportation
4840 Truck transportation
4850 Transit and ground passenger transportation
4863 Pipeline transportation of crude oil, refined petroleum products, and natural gas
4868 Other pipeline transportation
4870 Scenic and sightseeing transportation
4880 Support activities for transportation
4920 Couriers and messengers
4932 Petroleum storage for hire
4939 Other warehousing and storage

INFORMATION

5111 Newspaper, periodical, book, and directory publishers
5112 Software publishers
5121 Motion picture and video industries
5122 Sound recording industries
5151 Radio and television broadcasting
5152 Cable and other subscription programming
5171 Wired telecommunications carriers
5172 Wireless telecommunications carriers (except satellite)
5174 Satellite telecommunications
5179 Other telecommunications
5182 Data processing, hosting, and related services
5191 Other information services

FINANCE AND INSURANCE

5221 Depository credit intermediation (Banking)
5223 Activities related to credit intermediation
5224 Nondepository credit intermediation
5229 Nondepository branches and agencies
5231 Securities and commodity contracts intermediation and brokerage
5238 Other financial investment activities and exchanges
5242 Agencies, brokerages, and other insurance related activities
5243 Insurance carriers, except life insurance carriers
5249 Life insurance carriers
5252 Funds, trusts, and other financial vehicles

REAL ESTATE AND RENTAL AND LEASING

5310 Real estate
5321 Automotive equipment rental and leasing
5329 Other rental and leasing services
5331 Lessors of nonfinancial intangible assets (except copyrighted works)

PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES

5411 Legal services
5412 Accounting, tax preparation, bookkeeping, and payroll services
5413 Architectural, engineering, and related services
5414 Specialized design services
5415 Computer systems design and related services
5416 Management, scientific, and technical consulting services
5417 Scientific research and development services
5418 Advertising, public relations, and related services
5419 Other professional, scientific, and technical services

MANAGEMENT OF COMPANIES AND ENTERPRISES

5512 Holding companies, except bank holding companies
5513 Corporate, subsidiary, and regional management offices

ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES

5611 Office administrative services
5612 Facilities support services
5613 Employment services
5614 Business support services
5615 Travel arrangement and reservation services
5616 Investigation and security services
5617 Services to buildings and dwellings
5619 Other support services
5620 Waste management and remediation services

EDUCATIONAL SERVICES

6110 Educational services

HEALTH CARE AND SOCIAL ASSISTANCE

6210 Ambulatory health care services
6220 Hospitals
6230 Nursing and residential care facilities
6240 Social assistance services

ARTS, ENTERTAINMENT, AND RECREATION

7110 Performing arts, spectator sports, and related industries
7121 Museums, historical sites, and similar institutions
7130 Amusement, gambling, and recreation industries

ACCOMMODATION AND FOOD SERVICES

7210 Accommodation
7220 Food services and drinking places

OTHER SERVICES

8110 Repair and maintenance
8120 Personal and laundry services
8130 Religious, grantmaking, civic, professional, and similar organizations

PUBLIC ADMINISTRATION

9200 Public administration

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

AGRICULTURE, FORESTRY, FISHING, AND HUNTING

The agriculture, forestry, fishing, and hunting sector (ISI codes 1110-1150) comprises businesses that are engaged in growing crops, raising animals, harvesting timber, and harvesting fish and other animals from a farm, ranch, or their natural habitats. The sector distinguishes two basic activities: agricultural production and agricultural support activities. Agricultural production includes businesses performing the complete farm or ranch operation, such as farm owner-operators, tenant farm operators, and sharecroppers. Agricultural support activities include businesses that perform one or more activities associated with farm operation, such as soil preparation, planting, harvesting, and management, on a contract or fee basis.

1110 Crop production
(2012 NAICS code 111)

Businesses engaged in growing crops for food and fiber.

Examples of such crops are:

Corn	Potatoes
Cotton	Soybeans and other oilseeds
Dry peas and beans	Sugarcane and sugarbeets
Fruits and tree nuts	Tobacco
Maple sap	Vegetables and melons
Mushrooms	Wheat

Also included are nursery, tree (with growth cycles of 10 years or less), and floriculture production.

NOTE – Managing farms without owning and/or operating the farms is classified in ISI code 1150.

1120 Animal production and aquaculture
(2012 NAICS code 112)

Businesses that raise or fatten animals or sell animal products.

Examples of businesses in, or products of, this industry are:

Beef cattle ranches, farms, and feedlots	Hog and pig farms
Dairy cattle and milk production	Horses
Farm-raised fish	Poultry and egg products
Fur-bearing animals	

NOTE – The catching or taking of fish from their natural habitat is classified in ISI code 1140.

1130 Forestry and logging
(2012 NAICS code 113)

Businesses in this industry grow and harvest timber on a long production cycle of 10 years or more. They engage in the operation of timber tracks for the purpose of selling standing timber. These businesses also grow trees for reforestation or for gathering forest products such as barks, fibers, ginseng, gums, and truffles.

NOTE – Growing short rotation woody trees with a growth cycle of less than 10 years is classified in ISI code 1110.
Gathering maple sap is classified in ISI code 1110.
Acting as lessors of land with trees as real estate property is classified in ISI code 5310.

1140 Fishing, hunting, and trapping
(2012 NAICS code 114)

Businesses engaged in:

Commercial catching or taking of finfish, shellfish, or miscellaneous marine products from a natural habitat
Commercial hunting or trapping
Operating game or hunting preserves

NOTE – The farm raising of finfish and shellfish are classified in ISI code 1120.
The commercial catching or taking and processing of fresh fish such as canning, freezing, etc, on the fishing vessel are classified in ISI code 3117.
Operating nature preserves is classified in ISI code 7121.

1150 Support activities for agriculture and forestry
(2012 NAICS code 115)

Businesses that provide support services to agricultural and forestry production.

Examples of activities of this industry are:

Breeding services for animals	Forestry consulting
Crop production and harvesting services	Postharvest crop activities
Farm labor and management services	Soil preparation services

NOTE – Stemming and redrying tobacco are classified in ISI code 3122.
Landscaping services are classified in ISI code 5617.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

MINING, QUARRYING, AND OIL AND GAS EXTRACTION

The mining, quarrying, and oil and gas extraction sector (ISI codes 2111–2133) comprises businesses that extract naturally occurring mineral solids, such as coal and ores; liquid minerals, such as crude petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, crushing, washing, and other operations performed at the mine site. This sector consists of two basic activities: (1) mine operation and (2) mining support activities. Mine operations are classified according to the natural resource mined. Businesses that mine, but further process the mined materials into a finished product, are classified in manufacturing. For example, a business operating a granite quarry, producing dimension stone, and further shaping the dimension stone into building stone would be classified in manufacturing.

2111 Oil and gas extraction
(2012 NAICS code 211)

Businesses engaged in operating oil and gas field properties, including all activities in the preparation of oil and gas up to the point of shipment from the producing property. Includes businesses that operate oil and gas wells for others on a contract or fee basis.

Examples of activities in the industry are:

Drilling, completing, and equipping wells
Exploring for crude petroleum and natural gas
Mining and extraction of oil from oil shale and oil sands
Operating separators, emulsion breakers, and desilting equipment
Producing natural gas and recovering hydrocarbon liquids of oil from oil and gas field gases

NOTE – Crude petroleum extraction combined with refining is classified in ISI code 3242.

2121 Coal
(2012 NAICS code 2121)

Businesses engaged in developing mine sites for, or in mining, and preparing (crushing, screening, washing, sizing, etc.) the following minerals:

Anthracite
Bituminous coal
Lignite

NOTE – The production of coal fuel briquettes and packed fuel is classified in ISI code 3244.

2123 Nonmetallic minerals
(2012 NAICS code 2123)

Businesses engaged in developing mine sites, or in mining, quarrying, and preparing (crushing, screening, washing, sizing, etc.) nonmetallic minerals (other than coal, oil, and gas) such as:

Chemical and fertilizer minerals, such as celestite, flourspar, barite, and sulphur
Clay, ceramic, and refractory minerals
Crushed and broken limestone and granite
Dimension stone
Gypsum, mica, and talc
Phosphate
Potash, soda, and borate
Sand and gravel

NOTE – Production of phosphoric acid, superphosphates, or other manufactured phosphate compounds or chemicals is classified in ISI code 3253.
Grinding, pulverizing, or otherwise treating clay, ceramic, and refractory minerals is classified in ISI code 3271.
Production of lime is classified in ISI code 3274.
Dressing of dimension stone and other crushed and ground minerals such as talc, mica, and feldspar is classified in ISI code 3279.

2124 Iron ores
(2012 NAICS code 21221)

Businesses engaged in developing mine sites, or in mining, and preparing (crushing, screening, washing, sizing, etc.) iron ores and manganiferous ores, and/or producing sinter and other agglomerates.

NOTE – Operating blast furnaces to produce pig iron is classified in ISI code 3311.

2125 Gold and silver ores
(2012 NAICS code 21222)

Businesses engaged in developing mine sites, or in mining, and preparing (crushing, screening, washing, sizing, etc.) ores valued chiefly for their gold and silver content. The transformation of these ores into bullion or dore bar in combination with mining activities is also included in this industry.

NOTE – Manufacturing gold or silver bullion or dore bar without mining is classified in ISI code 3314.

Guide used in FDIUS 2013 Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

2126 Copper, nickel, lead, and zinc ores
(2012 NAICS code 21223)

Businesses engaged in developing mine sites, or in mining, and preparing (crushing, screening, washing, sizing, etc.) ores valued chiefly for their copper, nickel, lead, or zinc content. The transformation of these ores into concentrates is also included in this industry.

NOTE – Refining copper concentrates is classified in ISI code 3314.

2127 Other metal ores
(2012 NAICS code 21229)

Businesses engaged in developing mine sites, or in mining, and preparing (crushing, screening, washing, sizing, etc.) other metal ores such as:

Antimony	Molybdenum
Columbium	Tungsten
Ilmenite	Uranium-radium-vanadium
Magnesium	

NOTE – Enriching uranium is classified in ISI code 3251.

2132 Support activities for oil and gas operations
(2012 NAICS code 213111 and 213112)

Businesses engaged in performing oil or gas field services, for others, on a contract or fee basis.

Examples of services provided in this industry are:

Drilling wells for oil or gas field operations
Exploration
Grading and building foundations at well locations
Well surveying

NOTE – Complete responsibility for operating oil and gas wells for others on a contract or fee basis is classified in ISI code 2111.
Site preparation and related construction activities is classified in ISI code 2380.
Performing geophysical surveying services for oil and gas on a contract or fee basis is classified in ISI code 5413.

2133 Support activities for mining, except oil and gas operations
(2012 NAICS code 2131 except for 213111 and 213112)

Businesses engaged in performing support services, on a contract or fee basis, required for the mining and quarrying of minerals.

Examples of services provided in this industry are:

Exploration, including prospecting and taking ore samples
Making geological observations

NOTE – Complete responsibility for operating mines for others, on a contract or fee basis, is classified according to the product mined rather than in support activities for mining.
Site preparation and related construction activities is classified in ISI code 2380.
Performing geophysical surveying services for minerals on a contract or fee basis is classified in ISI code 5413.

UTILITIES

The utilities sector (ISI codes 2211–2213) comprises businesses engaged in the provision of the following utility services: electric power, natural gas, steam supply, water supply, and sewage removal.

2211 Electric power generation, transmission, and distribution
(2012 NAICS code 2211)

Businesses engaged in generating, transmitting, and/or distributing electric power. Includes hydroelectric, fossil fuel, nuclear, and solar power generation. Also includes brokers or agents that arrange the sale of electricity via power distribution systems operated by others.

NOTE – Operating trash incinerators that also generate electricity is classified in ISI code 5620.

2212 Natural gas distribution
(2012 NAICS code 2212)

Businesses that operate natural gas distribution systems, buy gas from the well and sell it to a distribution system, or brokers or agents that arrange the sale of gas over distribution systems operated by others.

NOTE – Transmitting natural gas from the producer to the distributor via pipelines is classified in ISI code 4863.

Guide used in FDIUS 2013-Preliminary data collection, presented here for historical record. Find the current guide at www.bea.gov/fdi.

2213 Water, sewage, and other systems
(2012 NAICS code 2213)

Businesses engaged in operating water treatment plants and/or operating water supply systems, operating sewer systems, or sewage treatment facilities that collect, treat, and dispose of waste.

NOTE – Operating waste treatment or disposal facilities (other than sewer systems or sewage treatment facilities) are classified in ISI code 5620.

CONSTRUCTION

The construction sector (ISI codes 2360–2380) comprises businesses engaged in the construction of buildings or engineering projects (e.g., highways and utility systems). Work performed includes new work, additions, alterations, or maintenance and repairs. This sector includes businesses engaged in the preparation of sites for new construction and businesses engaged in the subdividing of land for sale as building sites.

Construction performed by a business primarily engaged in an activity other than construction, for its own account and use, and by its own employees (force construction), is excluded from this industry, and is classified according to the principle activity of the business.

2360 Construction of buildings
(2012 NAICS code 236)

Businesses in this industry are primarily responsible for the construction of buildings. The work performed may include new work, additions, alterations, or maintenance and repairs. Part or all of the production work may be subcontracted to other construction businesses.

Examples of construction products of this industry are:

Commercial buildings
Industrial buildings
Industrial non-building structures, such as incinerators
Residential buildings

2370 Heavy and civil engineering construction
(2012 NAICS code 237)

Businesses whose primary activity is the construction of entire engineering projects (e.g., highways and dams) and specialty trade contractors, whose primary activity is the production of a specific component for such projects. The work performed may include new work, additions, alterations, or maintenance and repairs.

Examples of construction projects in this industry are:

Bridges and tunnels
Highways and streets
Irrigation systems
Land development and subdivision
Power and communication transmission lines
Utilities systems construction
Water mains, sewers, and pipelines

NOTE – Businesses constructing buildings for sale on lots they subdivide are classified in ISI 2360.

2380 Specialty trade contractors
(2012 NAICS code 238)

Businesses engaged in performing specific activities (e.g., pouring concrete, site preparation, plumbing, painting, electrical work) involved in building construction or other activities that are similar for all types of construction but that are not responsible for the entire project. The work performed may include new work, additions, alterations, or maintenance and repairs.

Examples of businesses in this industry are:

Carpentry and floor contractors
Electrical contractors
Foundation, structure, and building exterior contractors
Heating and air-conditioning contractors
Masonry and drywall contractors
Plumbing contractors
Roofing, siding, and sheet metal contractors
Site preparation contractors

NOTE – Specialty trade contractors performing work relating to heavy construction, such as grading for highways are classified in ISI code 2370.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

MANUFACTURING

The manufacturing sector (ISI codes 3111–3399) comprises businesses engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is classified in Construction (e.g., structures).

Manufacturing businesses acquire materials that are products of agriculture, forestry, fishing, mining, and quarrying as well as products of other manufacturing businesses. A business may process the materials itself or may contract with another manufacturer to perform the processing on materials which they provide to the other manufacturer. Both types of businesses are included in manufacturing.

The product produced by a manufacturer may be finished for final consumption or it may be a material input for an entity engaged in further manufacturing. For example, the product of an alumina refinery is the input used in the primary production of aluminum; primary aluminum is the input to an aluminum wire drawing plant; and aluminum wire is the input for a fabricated wire product manufacturer.

Within the manufacturing sector, the individual industries generally reflect distinct production processes related to material inputs, production equipment, and employee skills. In the machinery area, where assembling is a key activity, parts and accessories for manufactured products are classified in the industry of the finished manufactured item when they are made for sale separately. For example, a replacement refrigerator door would be classified with refrigerators and an attachment for a piece of metal working machinery would be classified with metal working machinery. However, components and inputs from other manufacturers are classified based on the production function of the component manufacturer.

Some borderline activities that <u>are</u> classified in manufacturing are:

Apparel jobbing (assigning of materials to contract factories or shops for fabrication or other contract operations) as well as contracting on materials owned by others
Aircraft and aerospace research and development
Electroplating, plating, metal heat treating, and polishing for the trade
Fabricating signs and advertising displays
Fresh fish packaging (oyster shucking, fish filleting)
Lapidary work for the trade
Machine shop work
Mass production of computer software or video tapes from a master copy
Milk bottling and pasteurizing
Printing and related support activities
Ready-mixed concrete production
Rebuilding machinery, but not repairing (i.e., automotive parts)
Ship repair and renovation
Tire retreading
Wood preserving

Some borderline activities that are <u>not</u> classified in manufacturing are:

Logging is classified in Agriculture, Forestry, Fishing, and Hunting (ISI codes 1110–1150).

The dressing and beneficiating of ores is classified in Mining, Quarrying, and Oil and Gas Extraction (ISI codes 2111–2133).

The construction of structures and fabricating operations performed at the site of construction by contractors is classified in Construction (ISI codes 2360–2380).

The breaking of bulk and redistribution in smaller lots, including packaging and repackaging products, such as liquors or chemicals; the customized assembly of computers; sorting of scrap; mixing paints to customer order; and cutting metals to customer order are classified in Wholesale or Retail Trade (ISI codes 4231–4540).

Publishing and the combined activity of publishing and printing is classified in Information (ISI codes 5111–5191). Although the activity performed is the transformation of information into a product, the value of the product to the consumer lies in the information content, not in the format in which it is distributed (i.e., the book, the software disk).

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3111 Animal foods
(2012 NAICS code 3111)

Businesses engaged in manufacturing food and feed for animals from ingredients such as grains, oilseed mill products, and meat products.

3112 Grain and oilseed milling
(2012 NAICS code 3112)

Examples of products or processes of this industry are:

Breakfast cereals
Fats and oils refining and blending, including blending *purchased* animal fats and oils with vegetable fats
Flour milling
Malt manufacturing
Rice milling
Shortenings and margarines
Soybean processing
Vegetable oils and fats
Wet milled corn products, such as sweeteners and starches

NOTE – Manufacturing:
Rendered or refined animal fats and oils are classified in ISI code 3116.
Prepared flour mixes or doughs from flour ground elsewhere is classified in ISI code 3118.
Table syrups from corn syrup and starch base dessert powders is classified in ISI code 3119.
Coffee substitutes from grain is classified in ISI code 3119.
Malt extracts and syrups is classified in ISI code 3119.
Malt beverages is classified in ISI code 3121.

3113 Sugar and confectionery products
(2012 NAICS code 3113)

Businesses that process agricultural inputs such as sugar cane, beet, and cacao to manufacture sugars, chocolates, or confectioneries and businesses that further process purchased sugar and chocolate.

Examples of businesses in, or products of, this industry are:

Candy
Chewing gum
Chocolate
Confectioneries
Granola bars
Molasses
Retail candy stores, if confectioneries are manufactured on the premises, and are not for immediate consumption
Sugars, such as cane and beet

NOTE – Manufacturing:
Maple syrup is classified in ISI code 1110.
Corn sweeteners by wet milling corn is classified in ISI code 3112.
Sweetening syrups from corn syrup is classified in ISI code 3119.
Artificial sweeteners is classified in ISI code 3251.

3114 Fruit and vegetable preserving and specialty foods
(2012 NAICS code 3114)

Businesses engaged in manufacturing frozen foods of vegetable or animal origins or in manufacturing canned, pickled and dried fruits, vegetables, and specialty foods.

Examples of products of this industry are:

Canned baby foods
Canned fruits, juices and vegetables
Canned (non-seafood) soups
Catsup, salsa, barbeque, and other tomato-based sauces
Dried and dehydrated fruits and vegetables
Dry soup mixes and bouillon made in dehydration plants
Frozen food specialties such as dinners, entrees, and side dishes
Frozen fruits, juices, and vegetables
Frozen waffles, pancakes, and french toast
Frozen whipped toppings
Jams and jellies
Pickled fruits and vegetables

NOTE – Manufacturing:
Frozen or canned dairy products are classified in ISI code 3115.
Frozen or canned meat products are classified in ISI code 3116.
Frozen or canned seafood soups and products are classified in ISI code 3117.
Frozen bakery products are classified in ISI code 3118.
Dry soup mixes and bouillon made from purchased ingredients is classified in ISI code 3119.
Canned fruit and vegetable drinks are classified in ISI code 3121.

3115 Dairy products
(2012 NAICS code 3115)

Businesses engaged in manufacturing dairy products from raw milk, processed milk, and dairy substitutes.

Examples of products of this industry are:

Butter and cheeses
Canned, condensed, and evaporated milk
Fluid milk and cream
Ice cream, frozen yogurt, and other dairy desserts
Whipped toppings
Yogurt

NOTE – Manufacturing:
Margarine or margarine-butter blends is classified in ISI code 3112.
Frozen whipped toppings is classified in ISI code 3114.

3116 Meat products
(2012 NAICS code 3116)

Examples of products or processes of this industry are:

Animal slaughtering and processing yielding meats, meat by-products, and variety meats
Lard
Poultry processing
Refined animal fats and oils
Small game processing

NOTE – Manufacturing:
Meat-based animal feeds from carcasses is classified in ISI code 3111.
Canned meat, small game, and poultry for baby food is classified in ISI code 3114.

Drying, freezing, and breaking eggs is classified in ISI code 3119.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

3117 Seafood product preparation and packaging
(2012 NAICS code 3117)

Examples of processes of this industry are:

Canning seafood (including soup)
Fresh and frozen seafood processing
Shucking and packing fresh shellfish
Smoking, salting, and drying seafoods

3118 Bakeries and tortillas
(2012 NAICS code 3118)

Examples of products of this industry are:

Breads and other bakery products, from "retail" bakeries, *if the goods are manufactured on the premises*, and are not for immediate on the premises consumption
Cookies and crackers
Dry pasta
Flour mixes and dough mixes from purchased flour
Soft pretzels
Tortillas

NOTE – Manufacturing:
Canned pasta and tortillas and frozen tortillas is classified in ISI code 3114.
Pretzels (except soft) and tortilla chips is classified in ISI code 3119.
Fresh pasta is classified in ISI code 3119.
Retailing bakery products manufactured elsewhere, not for immediate consumption is classified in ISI code 4450.
Selling bakery products for immediate consumption on premises is classified in ISI code 7220.

3119 Other food products
(2012 NAICS code 3119)

Examples of products of this industry are:

Coffee and tea
Dressings, mayonnaise, and other prepared sauces (except tomato based)
Flavoring syrups, concentrates, and extracts
Fresh pastas and pizzas
Natural food colorings
Peanut butter
Potato chips, corn chips, popcorn, pretzels (except soft), nuts and other snack foods
Powdered drink mixes
Seasonings, extracts, and spices

NOTE – Manufacturing:
Chocolate or candy coated nuts and candy covered popcorn is classified in ISI code 3113.
Chocolate syrup is classified in ISI code 3113.
Tomato-based sauces is classified in ISI code 3114.
Soft pretzels is classified in ISI code 3118.
Bottled or canned ice tea is classified in ISI code 3121.
Synthetic food colorings and natural colorings for non-food uses is classified in ISI code 3251.

3121 Beverages
(2012 NAICS code 3121)

Examples of products or processes of this industry are:

Beer, ale, and malt liquor
Distilled and blended liquors
Ice manufacturing
Purifying and bottling water
Soft drinks
Wines and brandies

NOTE – Manufacturing:
Milk-based drinks is classified in ISI code 3115.
Soft drink bases are classified in ISI code 3119.
Non-alcoholic cider is classified in ISI code 3119.
Dry ice is classified in ISI code 3251.

Bottling purchased purified water is classified in ISI code 4244.
Bottling liquors, malt beverages, and wines produced elsewhere is classified in ISI code 4248.

3122 Tobacco
(2012 NAICS code 3122)

Examples of products or processes of this industry are:

Cigarettes
Cigars
Smoking and chewing tobacco
Stemming or redrying of tobacco

Guide used for EDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

3130 Textile mills
(2012 NAICS code 313)

Businesses engaged in transforming a basic fiber (natural or synthetic) into a product, such as a yarn or fabric, which is further manufactured into usable items, such as apparel, sheets and towels. The main processes in this industry include preparation and spinning of fiber, knitting or weaving of fabric, and the finishing of the product.

Examples of businesses in this industry are:

Fabric coating mills
Fabric mills, broadwoven, narrow, and nonwoven
Fiber, yarn, and thread mills
Lace manufacturers
Textile and fabric finishing mills

NOTE – Manufacturing:
Textile products (except apparel) from purchased fabric is classified in ISI code 3140.
Apparel from purchased fabric is classified in ISI code 3150.
Artificial and synthetic fibers is classified in ISI code 3252.

3140 Textile product mills
(2012 NAICS code 314)

Businesses engaged in producing non-apparel textile products using "cut and sew" processes, i.e., purchasing fabric and cutting and sewing the fabric to make the products. Includes businesses primarily engaged in adding decorative stitching such as embroidery on textile products, including apparel, on a contract or fee basis.

Examples of businesses in, or products of, this industry are:

Carpet and rug mills
Curtain and linen mills
Rope, cordage, and twine
Sheets and towels
Textile bag and canvas mills
Tire cord and tire fabric mills

NOTE – Manufacturing:
Lace curtains on lace machines is classified in ISI code 3130.
Luggage is classified in ISI code 3160.
Canvas blinds and shades is classified in ISI code 3370.

3150 Apparel
(2012 NAICS code 315)

Businesses engaged in producing garments using "cut and sew" processes, i.e., purchasing fabric and cutting and sewing to make apparel; and the manufacture of apparel by first knitting a fabric and then cutting and sewing the fabric into apparel.

Examples of businesses in, or products of, this industry are:

Athletic wear
Belts and neckties
Fur and leather apparel
Gloves and mittens
Hats and caps
Hosiery and sock mills
Men's, women's, and children's cut and sew apparel
Underwear, nightwear, and outerwear knitting mills
Work clothing

NOTE – Manufacturing:
Orthopedic hosiery is classified in ISI code 3391.
Athletic gloves, such as golf and batting gloves, is classified in ISI code 3399.

Knitting fabric, when not combined with the production of complete apparel, is classified in ISI code 3130.
Businesses primarily engaged in adding decorative stitching such as embroidery on textile products, including apparel, on a contract or fee basis, are classified in ISI code 3140.

3160 Leather and allied products
(2012 NAICS code 316)

Businesses engaged in transforming hides into leather by tanning or curing, and fabricating the leather into products for final consumption. Also includes manufacturers of certain products made from "leather substitutes," such as rubber, plastic, or textiles.

Examples of products or processes of this industry are:

Footwear, including plastic and rubber footwear
Handbags, purses, and wallets
Leather and hide tanning
Luggage
Personal leather goods (of any material, except metal) such as key cases and coin purses
Saddles

NOTE – Manufacturing:
Leather apparel and accessories is classified in ISI code 3150.
Orthopedic footwear is classified in ISI code 3391.
Personal goods of metal is classified in ISI code 3399.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

3210 Wood products
(2012 NAICS code 321)

Businesses engaged in the manufacturing of wood products from logs that are cut into bolts, planks, or boards that then may be further cut or shaped by lathes or other shaping tools. Processing may include sawing, planing, shaping, laminating, and assembly.

Examples of products of this industry are:

Clothes pins	Reconstituted wood
Cork products	Sawmill products
Dowels	Television, radio, and sewing machine cabinets
Millwork	Tool handles
Mobile homes	Veneers, plywood, and engineered wood products
Prefabricated wood buildings	Wood trusses

NOTE – Manufacturing:
Wood furniture frames is classified in ISI code 3370.
Wood burial caskets is classified in ISI code 3399.

3221 Pulp, paper, and paperboard mills
(2012 NAICS code 3221)

Businesses engaged in the manufacture of pulp and paper, including newsprint and paperboard. Pulp is produced by separating cellulose fibers from impurities in wood or other materials. Paper is produced by matting these fibers into a sheet. Businesses that manufacture paper in combination with paper converting are classified in this industry.

3222 Converted paper products
(2012 NAICS code 3222)

Businesses engaged in converting paper or paperboard, **without manufacturing paper or paperboard**. Converted paper products are produced from paper and other materials by various cutting and shaping techniques. Processing may include coating and laminating.

Examples of products of this industry are:

Coated and laminated papers, including combinations of paper, plastics film, and metal foils for packaging purposes
Corrugated and solid fiber boxes
Fiber cans, tubes, and drums
Folding and setup paperboard boxes
Gift wrap paper
Paper bags
Sanitary food containers and paper products
Stationery products and paper office supplies
Wallpaper

NOTE – Manufacturing:
Paper and/or paperboard and converting those products is classified in ISI code 3221.
Photographic and blueprint paper is classified in ISI code 3259.
Carbon paper is classified in ISI code 3399.

3231 Printing and related support activities
(2012 NAICS code 3231)

Businesses engaged in printing by transferring an image from a plate, screen, or computer file to some medium, such as paper, plastic, metal, apparel and textile articles, or wood. Processes include lithographic, gravure, screen, digital, and flexographic printing. Support activities include bookbinding, plate making, typesetting, and data imaging.

Publishing of printed products, i.e., the reporting, writing, editing, and other processes that are required to create an edition of a newspaper, for example, is treated as an activity in its own right rather than as a subsidiary activity to a manufacturing activity (printing) and is classified in ISI code 5111. A business that also prints what it publishes is classified in ISI code 5111.

Examples of products printed by businesses in, and processes of, this industry are:

Books	Newspapers
Business forms	Quick printing
Digital printing	Periodicals
Greeting cards	

NOTE – Printing on fabrics (or "grey goods") is classified in ISI code 3130.
Duplicating services and photocopying without printing services are classified in ISI code 5614.

Guide used in FDIaS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

3242 Integrated petroleum refining and extraction
(part of 2012 NAICS codes 211 and 32411)

Businesses engaged in both extraction (operating oil and gas field properties) AND refining (separating crude petroleum into component products through such techniques as fractionation, cracking, and distillation).

NOTE – Crude petroleum extraction without refining is classified in ISI code 2111.

3243 Petroleum refining without extraction
(part of 2012 NAICS code 32411)

Businesses engaged in separating crude petroleum into component products through such techniques as fractionation, cracking, and distillation.

Examples of products of this industry are:

Fuel oils
Gasoline
Jet fuel
Kerosene

NOTE – Crude petroleum extraction without refining is classified in ISI code 2111.
Crude petroleum extraction combined with refining is classified in ISI code 3242.

3244 Asphalt and other petroleum and coal products
(2012 NAICS code 3241, except 32411)

Businesses engaged in further processing of refined petroleum and coal products.

Examples of products or processes of this industry are:

Asphalt and tar paving mixtures
Brake fluids
Petroleum coke, not produced in petroleum refineries
Petroleum fuel briquettes, not produced in petroleum refineries
Petroleum lubricating oils, greases, and waxes, not produced in petroleum refineries
Roofing cements and coatings from refined petroleum
Saturating **purchased** mats and felts with asphalt or tar

NOTE – Manufacturing:
Paper mats and felts and saturating them with asphalt or tar is classified in ISI code 3221.
Petrochemicals from refined petroleum is classified in ISI code 3251.
Synthetic lubricating oils and greases is classified in ISI code 3259.

3251 Basic chemicals
(2012 NAICS code 3251)

Businesses engaged in the transformation of organic and inorganic raw materials by a chemical process.

Examples of products of this industry are:

Alkalies and chlorine (100 percent) and other inorganic chemicals
Carbon black
Charcoal briquettes
Cyclic crudes
Dyes, pigments, lakes, and toners
Ethyl alcohol
Gum and wood chemicals
Industrial bleaches
Industrial gases
Petrochemicals from refined petroleum or liquid hydrocarbons, such as acyclic aliphatics, benzene, toluene, styrene, and xylene
Potassium and sodium compounds
Sulphuric acids
Synthetic flavors, artificial sweeteners, food dyes, and perfume materials

NOTE – Manufacturing:
Food dyes (except synthetic) is classified in ISI code 3119.
Household bleaches is classified in ISI code 3256.
Electrostatic and photographic toners is classified in ISI code 3259.
Chlorine for swimming pools is classified in ISI code 3259.
Alumina is classified in ISI code 3313.

3252 Resins, synthetic rubbers, and artificial and synthetic fibers and filaments
(2012 NAICS code 3252)

Businesses engaged in manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers, and mixing and blending resins to a custom basis.

Examples of products of this industry are:

Butyl rubber, latex rubber, silicon rubber, and other synthetic rubbers
Plastics materials
Rayon, acetate, nylon, polyester, and other synthetic fibers
Resins
Thermoplastic elastomers

NOTE – Manufacturing resin adhesives is classified in ISI code 3255.
Processing natural, synthetic, or reclaimed rubber into intermediate or final products is classified in ISI code 3262.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/iti

3253 Pesticides, fertilizers, and other agricultural chemicals
(2012 NAICS code 3253)

Businesses engaged in manufacturing nitrogenous or phosphatic materials and mixing those ingredients into fertilizers or mixing ingredients produced elsewhere into fertilizers, or formulating and preparing agricultural and household pest control chemicals.

Examples of products of this industry are:

- Ammonia fertilizers
- Compost and potting soil
- Herbicides
- Insecticides
- Plant hormones
- Urea

NOTE – Manufacturing nitrogenous or phosphatic materials not for use as fertilizers is classified in ISI code 3251.

3254 Pharmaceuticals and medicines
(2012 NAICS code 3254)

Businesses engaged in one or more of the following activities: (1) manufacturing biological and medicinal products; (2) processing (grading, grinding and milling) botanical drugs and herbs; (3) isolating active medicinal principals from botanical drugs and herbs; and (4) manufacturing pharmaceutical products intended for internal and external consumption in such forms as ampules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

Examples of products of this industry are:

- Alkaloids
- Antibiotics
- Blood derivatives
- Botanicals
- Endocrine substances
- In vitro and in vivo diagnostics
- Vaccines
- Vitamins

3255 Paints, coatings, and adhesives
(2012 NAICS code 3255)

Businesses engaged in mixing pigments, solvents, and binders into paints, stains, and other coatings and/or manufacturing allied paint products and adhesives.

Examples of products of this industry are:

- Caulking compounds
- Enamels
- Glues
- Paint
- Paint and varnish removers
- Varnishes, lacquers, and shellacs
- Wood sealers and preservers

NOTE – Manufacturing:
Turpentine is classified in ISI code 3251.
Artists' paints is classified in ISI code 3399.

3256 Soap, cleaning compounds, and toilet preparations
(2012 NAICS code 3256)

Businesses engaged in manufacturing and packaging soap and other cleaning compounds, surface active agents, and toilet preparations.

Examples of products of this industry are:

- Air and room fresheners
- Household bleaches
- Laundry and dishwashing detergents
- Natural glycerin
- Oven cleaners
- Perfumes, cosmetics, creams, and lotions
- Toothpaste and denture cleaners
- Wetting agents, emulsifiers, and penetrants

NOTE – Manufacturing industrial bleaches and synthetic glycerin is classified in ISI code 3251.

3259 Other chemical products and preparations
(2012 NAICS code 3259)

Examples of products of this industry are:

- Aerosol packaging (mixing chemicals and propellant in aerosol cans)
- Automotive antifreeze
- Custom compounding of purchased plastics resins
- Explosives
- Gelatin (except dessert preparations)
- Matches
- Photographic (sensitized) film, paper, plates, and chemicals
- Printing ink

NOTE – Manufacturing medicinal gelatins is classified in ISI code 3254.

Guide used in EDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

3261 Plastics products
(2012 NAICS code 3261)

Businesses engaged in the processing of new or spent (recycled) plastics resins into intermediate or final products, using such processes as compression molding, extrusion molding, injection molding, blow molding, and casting.

Examples of products of this industry are:

- Laminated plastics plates, sheets, and shapes
- Plastics bottles
- Plastics cups and dinnerware
- Plastics pipes and fittings
- Plastics plumbing fixtures, such as bathtubs and shower stalls
- Plastics resilient floor coverings
- Polystyrene and urethane foam
- Unsupported plastics films, sheets, and bags
- Unsupported plastics profile shapes, such as rods and tubes
- Vinyl windows and frames

NOTE – Manufacturing:
Plastics footwear is classified in ISI code 3160.
Coated paper is classified in ISI code 3222.
Plastics hoses is classified in ISI code 3262.
Plastics furniture parts is classified in ISI code 3370.

Assembling plastics components into plumbing fixture fittings such as faucets is classified in ISI code 3329.

3262 Rubber products
(2012 NAICS code 3262)

Businesses engaged in processing natural, synthetic, or reclaimed rubber materials into intermediate or final products using processes such as vulcanizing, cementing, molding, extruding, and lathe-cutting.

Examples of products or processes of this industry are:

- Latex foam
- Prophylactics
- Rebuilding and retreading tires
- Rubber and plastics hoses and belting
- Rubber floor mats and stair treads
- Rubber medical sundries
- Tire repair materials
- Tires and inner tubes from natural and synthetic rubber
- Tread rubber

NOTE – Manufacturing:
Rubber footwear is classified in ISI code 3160.
Rubber gaskets, packing, and sealing devices is classified in ISI code 3399.

Repairing tires is classified in ISI code 8110.

3271 Clay products and refractories
(2012 NAICS code 3271)

Businesses engaged in transforming mined or quarried clay and like materials into bricks, refractory, and ceramic products. Processes used include grinding, mixing, cutting, shaping, and honing raw materials. Heat and chemicals are often used to change the composition and properties of the intended product.

Examples of products of this industry are:

- Bricks and other structural clay products
- Ceramic wall and floor tiles
- Clay and vitreous china plumbing fixtures
- Crucibles and furnace linings
- Earthenware and vitreous china table and kitchen articles
- Porcelain electric supplies
- Pottery

NOTE – Manufacturing:
Enameled iron and steel plumbing fixtures is classified in ISI code 3329.
Ferrite microwave devices and electronic components is classified in ISI code 3344.

3272 Glass and glass products
(2012 NAICS code 3272)

Businesses engaged in manufacturing glass and glass products. Glass is produced by heating silica sand to the melting point and then drawn, floated, or blow molded to the desired shape. Glass products may be produced from purchased glass.

Examples of products of this industry are:

- Flat glass
- Glass containers
- Glassware
- Pressed and blown glass
- Unsheathed fiber optic material

NOTE – Manufacturing:
Glass wool (fiberglass) insulation is classified in ISI code 3279.
Optical lenses is classified in ISI code 3333.
Fiber optic cable from purchased fiber optic strands is classified in ISI code 3359.
Ophthalmic lenses is classified in ISI code 3391.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

3273 Cement and concrete products
(2012 NAICS code 3273)

Businesses engaged in manufacturing hydraulic cement from mined, quarried, manufactured, or purchased lime and businesses engaged in manufacturing concrete from mined, quarried, or purchased sand and gravel.

Examples of products of this industry are:

Concrete brick and block
Concrete pipe
Portland cement
Ready-mix concrete

NOTE – Manufacturing:
Lime is classified in ISI code 3274.
Dry mixed concrete is classified in ISI code 3279.

3274 Lime and gypsum products
(2012 NAICS code 3274)

Businesses engaged in manufacturing lime from mined, quarried, collected, or purchased calcitic or dolomitic limestone or other calcareous material and businesses engaged in manufacturing gypsum products from mined, quarried, or purchased gypsum.

Examples of products of this industry are:

Lime
Plaster
Plasterboard
Wallboard

3279 Other nonmetallic mineral products
(2012 NAICS code 3279)

Examples of products of this industry are:

Abrasives and abrasive products
Cut stone and stone products
Dry mixed concrete
Fiberglass insulation
Ground or treated mineral and earth
Mica products
Mineral wool
Papier-mache
Synthetic gemstones

NOTE – Manufacturing metallic scouring sponges, soap-impregnated scouring pads, and steel wool is classified in ISI code 3329.

3311 Iron and steel mills and ferroalloys
(2012 NAICS code 3311)

Examples of products or processes of this industry are:

Direct reduction of iron ore
Ferroalloys
Ferrous powder
Pig iron conversion into steel
Pig iron manufacturing in molten or solid form
Steel pipes and tubes
Steel shapes, such as plates, sheets, strips, rods, wire, and bars

3312 Steel products from purchased steel
(2012 NAICS code 3312)

Businesses engaged in manufacturing iron and steel pipe and tube, drawing steel wire, and rolling shapes **from purchased iron or steel**.

NOTE – Manufacturing wire products from purchased wire is classified in ISI code 3326.

3313 Alumina and aluminum production and processing
(2012 NAICS code 3313)

Examples of products or processes of this industry are:

Alumina refining, generally from bauxite
Aluminum alloys, powder, paste, or flake
Aluminum primary production from alumina
Aluminum shape production, such as sheet, plate, foil, rod, bar, pipe, tube, and wire
Aluminum smelting (secondary) from scrap or dross

NOTE – Manufacturing aluminum oxide abrasives and refractories are classified in ISI code 3279.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3314 Nonferrous metal (except aluminum) production and processing
(2012 NAICS code 3314)

Businesses engaged in smelting ores, such as copper, lead, and zinc, into nonferrous metals; primary refining of nonferrous metals using electrolytic or other processes; and/or rolling, drawing, extruding, and alloying of copper and other nonferrous metals.

NOTE – Mining and producing copper and other nonferrous concentrates, including gold and silver bullion, by processes such as solvent extraction or electrowinning are classified in ISI codes 2125-7.
Primary production and secondary smelting of aluminum are classified in ISI code 3313.
Die-casting purchased copper is classified in ISI code 3315.
Manufacturing wire products from purchased copper wire is classified in ISI code 3326.
Insulating purchased copper and nonferrous wire is classified in ISI code 3359.

3315 Foundries
(2012 NAICS code 3315)

Businesses engaged in pouring molten metal into molds or dies to form castings. Foundries may clean and deburr the castings they manufacture. More involved processes, such as tapping, threading, milling, or machining to tight tolerances that transform castings into more finished products are classified in other manufacturing industries.

Examples of businesses in this industry are:

Ferrous metal foundries that manufacture castings such as cast iron pipe, skillets, and manhole covers
Nonferrous metal foundries, such as aluminum foundries
Steel foundries

NOTE – Businesses both producing castings and further manufacturing them using processes such as machining or assembling to create a specific manufactured product are classified in the industry of the finished product.

3321 Forging and stamping
(2012 NAICS code 3321)

Businesses engaged in manufacturing iron, steel, and nonferrous forgings from purchased metals.

Examples of products of this industry are:

Crowns and closures
Metal custom roll forming products
Metal stamped and spun products (except automotive, cooking and kitchen utensils and coins)
Powder metallurgy products

NOTE – Manufacturing:
Iron and steel forgings in integrated iron and steel mills is classified in ISI code 3311.
Automotive stampings is classified in ISI code 3363.

3322 Cutlery and handtools
(2012 NAICS code 3322)

Examples of products of this industry are:

Cutlery and flatware of nonprecious and precious plated metal
Kitchen utensils and pots and pans, stamped or spun
Nonelectric kitchen tools, such as can openers and peelers
Nonpowered hand and edge tools, such as pliers, wrenches, and screwdrivers
Safety razors and razor blades
Saw blades and handsaws
Scissors and shears
Yard tools, such as rakes, shovels, and wheelbarrows

NOTE – Manufacturing:
Cast metal cooking utensils is classified in ISI code 3315.
Power-driven handtools is classified in ISI code 3339.
Precious metal (except precious plated) and pewter cutlery and flatware is classified in ISI code 3399.

3323 Architectural and structural metals
(2012 NAICS code 3323)

Examples of products of this industry are:

Bar joists, concrete reinforcing bars, and other fabricated structural metal products
Fabricated metal plate work
Flumes, ducts, and dampers and other sheet metal work
Metal railings, fences, and moldings and other ornamental and architectural metal products
Metal windows and doors
Prefabricated metal buildings, panels, and sections

NOTE – Manufacturing:
Metal covered wood framed windows and doors is classified in ISI code 3210.
Mobile homes is classified in ISI code 3210.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3324 Boilers, tanks, and shipping containers
(2012 NAICS code 3324)

Examples of products of this industry are:

Bulk storage tanks
Metal cans, barrels, drums, kegs, and pails
Power boilers and heat exchangers
Septic tanks
Steam condensers

NOTE – Manufacturing heating boilers and hot water heating boilers is classified in ISI code 3334.

3325 Hardware
(2012 NAICS code 3325)

Examples of products of this industry are:

Locks (except coin-operated) and keys
Metal handles and knobs
Metal hinges and latches

NOTE – Manufacturing:
Nails and spikes from wire drawn elsewhere is classified in ISI code 3326.
Bolts, nuts, screws, rivets, and washers is classified in ISI code 3327.
Coin-operated locking mechanisms is classified in ISI code 3333.
Time locks is classified in ISI code 3345.

3326 Spring and wire products
(2012 NAICS code 3326)

Businesses engaged in manufacturing heavy gauge springs by processes including cutting, bending, and heat winding metal rods or strip stock, or in manufacturing light gauge springs and fabricated wire products from wire drawn elsewhere.

Examples of products of this industry are:

Barbed wire
Chain link fencing
Heavy and light gauge springs
Nails
Paper clips and staples
Wire carts
Wire garment hangers
Wire rope, cable, and strands
Wire screening

NOTE – Manufacturing watch and clock springs from purchased wire is classified in ISI code 3345.

3327 Machine shops; turned products; and screws, nuts, and bolts
(2012 NAICS code 3327)

Businesses engaged in:

Custom machining parts for machines and equipment using machine tools such as lathes, automatic screw machines, and machines for boring, grinding, and milling
Machining precision turned products
Manufacturing metal bolts, nuts, screws, rivets, and washers

3328 Coating, engraving, heat treating, and allied activities
(2012 NAICS code 3328)

Businesses engaged in:

Electroplating, plating, anodizing, coloring and finishing metals and metal formed products
Enameling, lacquering, and varnishing metals and metal formed products
Engraving, chasing, or etching metals and metal formed products (except printing plates)
Heat treating metals and metal formed products
Hot dip galvanizing metals and metal formed products
Powder coating metals and metal formed products

3329 Other fabricated metal products
(2012 NAICS code 3329)

Examples of products of this industry are:

Ball and roller bearings
Enameled iron and metal sanitary ware, sinks, bathtubs and toilets
Fabricated pipes and fittings
Fluid power valves and hose fittings
Industrial patterns, such as foundry cores
Industrial valves
Metal ladders
Ordnance and accessories, including artillery and ammunition
Plumbing fixture fittings and trim, metal and plastics, such as faucets, shower heads, and flush valves
Safes and vaults
Small arms
Steel wool

NOTE – Manufacturing:
Plastics plumbing fixtures, such as plastics tubs and shower stalls, is classified in ISI code 3261.
Cast iron pipes and fittings is classified in ISI code 3315.
Safe and vault locks is classified in ISI code 3325.
Intake and exhaust valves for internal combustion engines is classified in ISI code 3363.

Guide used in FDIUS 2013-Preliminary data collection. Provided here for historical record. Find the current guide at www.bea.gov/fdi.

3331 Agriculture, construction, and mining machinery
(2012 NAICS code 3331)

Businesses engaged in manufacturing farm machinery and equipment, construction equipment, surface mining equipment, and logging and forestry equipment.

Examples of products of this industry are:

- Bulldozers
- Coal breakers
- Concrete mixers
- Core and rock drills
- Dairy farm machinery and livestock equipment
- Farm tractors
- Lawnmowers and other powered home lawn and garden equipment
- Mine cars
- Oil and gas field equipment
- Pavers
- Planting, seeding, fertilizing, and harvesting machinery

NOTE – Manufacturing:
Farm handtools and nonpowered lawnmowers and other garden equipment is classified in ISI code 3322.
Coal and ore conveyors and farm conveyors and elevators is classified in ISI code 3339.
Offshore oil and gas well drilling and floating production platforms is classified in ISI code 3366.

3332 Industrial machinery
(2012 NAICS code 3332)

Examples of products of this industry are:

- Bookbinding, typesetting, and other printing machinery
- Chemical machinery and equipment and petroleum manufacturing equipment
- Food and beverage manufacturing machinery, such as:
  - Bakery ovens
  - Dough mixers
  - Ice cream freezers
  - Meat and poultry preparation equipment
- Laboratory distilling equipment
- Plastics compression, extrusion, injection molding, and other plastics and rubber industry machinery
- Pulp, paper, and paper product machinery
- Sawmill and woodworking machinery (except hand held), such as:
  - Band saws
  - Circular saws
  - Sanding machinery
- Semiconductor machinery, such as wafer processing equipment
- Sewing machines (including household)
- Textile machinery

NOTE – Manufacturing:
Planes, axes, drawknives, and handsaws is classified in ISI code 3322.
Power driven handtools is classified in ISI code 3339.

3333 Commercial and service industry machinery
(2012 NAICS code 3333)

Examples of products of this industry are:

- Automatic vending machinery
- Automotive maintenance equipment, except mechanic's handtools
- Commercial cooking equipment
- Commercial laundry, dry-cleaning, and pressing machines
- Office machinery (except computers), such as calculators and dedicated word processing equipment
- Optical instrument and lens manufacturing, such as:
  - Binoculars
  - Lenses (except ophthalmic focus)
  - Microscopes
- Photographic and photocopying equipment, such as:
  - Cameras (except television and video cameras)
  - Film development equipment
  - Projectors

NOTE – Manufacturing:
Sensitized film, paper, cloth, and plates is classified in ISI code 3259.
Mechanic's handtools is classified in ISI code 3322.
Computers and peripheral equipment is classified in ISI code 3341.
Video cameras, broadcast and studio, is classified in ISI code 3342.
Facsimile equipment is classified in ISI code 3342.
Video cameras (except broadcast and studio) is classified in ISI code 3343.
Timeclocks is classified in ISI code 3345.
Ophthalmic focus lenses, such as eyeglass lenses and contact lenses, is classified in ISI code 3391.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3334 Ventilation, heating, air-conditioning, and commercial refrigeration equipment
(2012 NAICS code 3334)

Examples of products of this industry are:

- Air-conditioning (except motor vehicle) equipment, such as central and room air conditioners
- Air purification equipment, such as industrial dust and fume collection equipment and warm air furnace filters
- Attic fans
- Commercial refrigeration equipment, such as water coolers, soda fountains, and beer dispensing equipment
- Heating equipment, such as:
  - Furnaces
  - Heating boilers and stoves
  - Wall and baseboard heating units
- Industrial and commercial fans and blowers, such as exhaust and ventilating fans
- Industrial refrigeration equipment
- Laboratory freezers

NOTE – Manufacturing:
Industrial process furnaces and ovens is classified in ISI code 3339.
Household fans (except attic), portable electric airspace heaters, humidifiers and dehumidifiers, and refrigerators and freezers is classified in ISI code 3352.
Motor vehicle air conditioners and compressors is classified in ISI code 3363.

3335 Metalworking machinery
(2012 NAICS code 3335)

Businesses engaged in manufacturing machinery that cuts, molds, and shapes metal.

Examples of products of this industry are:

- Cutting tools and machine tools accessories, such as twist drills and counter sinks
- Industrial molds, such as die-casting and foundry-casting molds
- Machine tools, such as:
  - Die-casting machines
  - Forging machines
  - Lathes
  - Milling machines
- Metal molds for plaster, plastics, rubber, and glass working machinery
- Rolling mill machinery and equipment
- Special die and tools, die sets, and jigs and fixtures
- Wire drawing and fabricating machines

NOTE – Manufacturing:
Cutting dies (except metal cutting) is classified in ISI code 3322.
Welding and soldering equipment is classified in ISI code 3339.

3336 Engines, turbines, and power transmission equipment
(2012 NAICS code 3336)

Examples of products of this industry are:

- Electric outboard motors
- Gasoline and diesel engines, except motor vehicle and aircraft
- Industrial high-speed drives and gears
- Mechanical power transmission equipment, except motor vehicle and aircraft, such as:
  - Brakes
  - Clutches
  - Joints
  - Plain bearings and bushings
- Speed changers
- Turbine and turbine generator set units, such as steam, hydraulic, gas, and wind

NOTE – Manufacturing:
Motor vehicle engines and power transmission equipment is classified in ISI code 3363.
Gasoline aircraft engines, transmission equipment, and turbines is classified in ISI code 3364.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

3339 Other general purpose machinery
(2012 NAICS code 3339)

Examples of products of this industry are:

- Air and gas compressors
- Fluid power cylinders, actuators, pumps, and motors
- Industrial process furnaces and ovens
- Laboratory centrifuges
- Material handling equipment, such as:
  - Automobile lifts
  - Conveyors
  - Elevators and escalators
  - Industrial trucks and tractors
  - Overhead traveling cranes
- Nonagricultural spraying and dusting equipment
- Packaging machinery
- Power-driven hand tools
- Pumps and pumping equipment
- Scales and balances
- Welding and soldering equipment

NOTE – Manufacturing:
- Hand held soldering tools is classified in ISI code 3322.
- Farm type tractors, agricultural spraying and dusting equipment, and construction cranes is classified in ISI code 3331.
- Bakery ovens and industrial kilns is classified in ISI code 3332.
- Industrial refrigeration and air-conditioning compressors is classified in ISI code 3334.
- Transformers for arc-welding is classified in ISI code 3353.
- Pumps and compressors for motor vehicles is classified in ISI code 3363.

3341 Computer and peripheral equipment
(2012 NAICS code 3341)

Businesses engaged in the design and use of integrated circuits and the application of highly specialized miniaturization technologies in the manufacture of computers and electronic products.

Machinery that incorporates electronic computers for operation or control purposes and embedded control applications are classified in other manufacturing industries based on the classifications of the complete machinery. Also, the manufacture of other parts such as casings, stampings, cable sets, switches, etc. for computers are classified in other manufacturing industries based on their associated production processes.

Examples of products of this industry are:

- Automatic teller machines
- Computer storage devices, such as:
  - CD-ROM drives
  - Hard disk drives
  - Tape storage and backup drives
- Computer terminals
- Electronic computers, such as:
  - Laptops
  - Mainframes
  - Personal computers
  - Servers
  - Workstations
- Peripheral equipment such as:
  - Keyboards
  - Mice, trackballs, and joystick devices
  - Monitors
  - Optical and bar code scanners
  - Plotters
  - Printers

NOTE – Manufacturing:
- Digital cameras is classified in ISI code 3333.
- Digital telecommunication switches, and local area network and wide area network communication equipment, such as bridges, routers, and gateways, is classified in ISI code 3342.
- Internal loaded printed circuit board devices such as sound, video, and network interface cards; modems; and solid state storage devices for computers is classified in ISI code 3344.
- Magnetic and optical recording media is classified in ISI code 3346.

Guide used in FDiUS 2013 Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3342 Communications equipment
(2012 NAICS code 3342)

Businesses engaged in manufacturing telephone and data communications equipment that may be stand alone or board level components of a larger system and/or engaged in manufacturing radio and television broadcast and wireless communication equipment.

Examples of products of this industry are:

- Answering machines
- Communications antennas
- Facsimile machines
- Fire and security alarm equipment
- Global positioning system equipment
- Intercoms
- Local area network and wide area network communications equipment
- Pagers
- Radios, fixed and mobile
- Space satellites
- Studio and broadcast video cameras
- Switching equipment
- Telephones, wired, cordless, and cellular
- Television broadcast equipment

NOTE – Manufacturing:
Household audio and video equipment is classified in ISI code 3343.
Internal and external computer modems, fax/modems and telephone transformers is classified in ISI code 3344.
Communications signal testing and evaluation equipment is classified in ISI code 3345.

3343 Audio and video equipment
(2012 NAICS code 3343)

Businesses engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicles, public address systems, and musical instrument amplification.

Examples of products of this industry are:

- Amplifiers
- Audio receivers
- Compact disc players
- Magnetic and digital audio tape recorders and players
- Radio sets
- Speakers and speaker systems
- Televisions
- Video cameras (except broadcast and studio)
- Video cassette recorders and players

NOTE – Manufacturing:
Mobile radios, such as citizens band and FM transceivers for motor vehicle use, cable decoders, satellite television equipment, and studio and broadcast video cameras is classified in ISI code 3342.
Phonograph needles and cartridges is classified in ISI code 3344.

3344 Semiconductors and other electronic components
(2012 NAICS code 3344)

Examples of products of this industry are:

- Bare and loaded printed circuit boards
- Electron tubes and parts
- Electronic capacitors, condensers, and resistors
- Electronic coils, transformers, and other inductors
- Electronic switches and transducers
- LCD (liquid crystal display) unit screens
- Light emitting diodes
- Modems
- Semiconductors and related devices, such as:
  - Diodes
  - Integrated circuits
  - Memory chips
  - Optoelectronic devices
  - Transistors

NOTE – Manufacturing:
Glass blanks for electron tubes is classified in ISI code 3272.
Communications antennas and telephone system modules is classified in ISI code 3342.
X-ray tubes is classified in ISI code 3345.

Guide used in FDIUS 2013 Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3345 Navigational, measuring, electromedical, and control instruments
(2012 NAICS code 3345)

Examples of products of this industry are:

- Aircraft engine instruments
- Automatic environmental controls for residential, commercial, and appliance use, such as:
  - Gas burner controls
  - Humidistats
  - Refrigeration controls
  - Thermostats
- Communications signal testing and evaluation equipment
- Electromedical and electrotherapeutic apparatus, such as:
  - Electrocardiographs
  - Hearing aids
  - Magnetic resonance imaging equipment
  - Medical ultrasound equipment
  - Pacemakers
- Instruments and related products for measuring, displaying, and controlling industrial process variables, such as: temperature, humidity, pressure, flow, level, and viscosity
- Instruments for measuring and testing of electricity and electrical signals, such as:
  - Ammeters
  - Circuit testers
  - Voltmeters
  - Wattmeters
- Irradiation apparatus, such as:
  - Computerized axial tomography (CT/CAT scanners) apparatus
  - Gamma-ray equipment
  - X-ray systems
- Laboratory instruments for chemical and physical analysis of solid, fluid, gaseous, or composite material samples, such as:
  - Hematology instruments
  - Ph meters
  - Spectrophotometric instruments
- Meteorological equipment
- Radiation detecting equipment
- Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments, such as:
  - Aircraft and missile control systems
  - Gyroscopes
  - Radar
  - Sonar
- Surveying and drafting equipment
- Totalizing fluid meters and counting devices, such as:
  - Fare collection equipment
  - Parking meters
  - Water and gas meters
- Watches, clocks, and parts

NOTE – Manufacturing:
Optical alignment and test and inspection equipment is classified in ISI code 3333.
Global positioning system equipment is classified in ISI code 3342.
Motor control switches and relays is classified in ISI code 3353.
Appliance switches is classified in ISI code 3359.
Nonelectrical medical and therapeutic apparatus is classified in ISI code 3391.

3346 Manufacturing and reproducing magnetic and optical media
(2012 NAICS code 3346)

Examples of products or processes of this industry are:

- Blank magnetic and optical recording media
- Hard drive media
- Laser disks
- Mass duplication of (copying of) audio, video, software, and other data on magnetic, optical, and similar media
- Mass reproduction of computer software (generally excluding software development) onto diskettes, CD-ROMs, and game cartridges
- Software and other prerecorded compact disc, tape, and record reproducing
- Theatrical duplication of motion pictures

NOTE – Designing, developing, or publishing prepackaged software or documentation; and integrated facilities that publish and reproduce software, are classified in ISI code 5112.
Audio and video producing and publishing; integrated facilities that publish and reproduce audio, video, and film materials; and related services are classified in ISI codes 5121 or 5122, depending on the product.

Guide used in RDIUS 2013-Preliminary data collection. Presented here for historical record. For the current guide at www.bea.gov/fdi.

3351 Electric lighting equipment
(2012 NAICS code 3351)

Examples of products of this industry are:

Commercial, industrial, institutional, and residential lighting fixtures
Electric lamp bulbs and parts
Flashlights and other portable lamps
Lampshades (except glass and plastics)
Motor vehicle light bulbs
Nonelectric lighting fixtures, such as gas lanterns

NOTE – Manufacturing:
Plastics lampshades is classified in ISI code 3261.
Glassware for lighting fixtures is classified in ISI code 3272.
Light emitting diodes is classified in ISI code 3344.
Current-carrying wiring devices for lighting fixtures is classified in ISI code 3359.
Motor vehicle lighting fixtures is classified in ISI code 3363.

3352 Household appliances
(2012 NAICS code 3352)

Examples of products of this industry are:

Barbecue grills
Dishwashers and disposals
Electric blankets and portable electric space heaters
Refrigerators, freezers, stoves, ovens, and other major household appliances
Toasters, household vacuum cleaners, ceiling fans and other small electrical appliances and housewares
Washers and dryers, household and coin operated

NOTE – Manufacturing:
Household sewing machines is classified in ISI code 3332.
Commercial and industrial cooking and cleaning equipment is classified in ISI code 3333.
Commercial and industrial refrigerators, room air conditioners, attic fans, and commercial ventilation and exhaust fans is classified in ISI code 3334.

3353 Electrical equipment
(2012 NAICS code 3353)

Examples of products of this industry are:

Motors and generators such as:
- Fractional and integral horsepower electric motors
- Land transportation motors and generators
- Prime mover generator sets

Power, distribution, and specialty transformers, such as:
- Florescent lamp ballasts
- Lighting transformers
- Welding transformers

Relays and industrial controls, such as:
- Electronic relays
- Solenoid switches

Switchgear and switchboard apparatus, such as:
- Circuit breakers
- Control panels
- Fuses

NOTE – Manufacturing:
Turbine generator set units and electric outboard motors is classified in ISI code 3336.
Electronic transformers and switches is classified in ISI code 3344.
Environmental controls and industrial process control instruments is classified in ISI code 3345.
Switches for electrical wiring is classified in ISI code 3359.
Starting motors and generators for internal combustion engines is classified in ISI code 3363.

3359 Other electrical equipment and components
(2012 NAICS code 3359)

Examples of products of this industry are:

Batteries
Carbon and graphite electrodes and brushes
Conduits, junction boxes, and other noncurrent-carrying wiring devices
Current-carrying wiring devices, such as ground fault circuit interrupters and wiring switches
Electric bells and gongs
Electrical cord sets
Electric garage door and other electric openers
Electrical outlets, switches, and other current-carrying wiring devices
Fiber-optic cable from purchased fiber-optic strand and nonferrous wire and cable from purchased nonferrous wire and other communication and energy wire and cable
Industrial capacitors and condensers
Surge suppressors
Uninterruptable power supplies

NOTE – Manufacturing:
Porcelain and ceramic insulators is classified in ISI code 3271.
Unsheathed fiber-optic materials is classified in ISI code 3272.
Drawn nonferrous wire is classified in ISI code 3313 or 3314 (depending on the material drawn).
Cable sets consisting of insulated wire and connectors for electronic applications is classified in ISI code 3344.
Electronic capacitors, condensers, laser diodes, and semiconductor rectifiers is classified in ISI code 3344.

Guide used in EDDS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

3361 Motor vehicles
(2012 NAICS code 3361)

Businesses engaged in manufacturing complete motor vehicles (body, chassis or unibody), or chassis only.

Examples of products of this industry are:

- Automobiles and minivans
- Buses
- Heavy duty trucks
- Light trucks and sport utility vehicles
- Motor homes (complete)

NOTE – Manufacturing off highway construction equipment is classified in ISI code 3331.

3362 Motor vehicle bodies and trailers
(2012 NAICS code 3362)

Businesses engaged in manufacturing motor vehicle bodies, cabs, trucks, automobile and utility trailers, truck trailer chassis, detachable trailer bodies, and detachable trailer chassis. The products may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Examples of products of this industry are:

- Automobile bodies
- Covers for mounting on pickup trucks
- Motor homes on a purchased chassis
- Travel trailers and campers
- Truck bodies
- Truck cabs

NOTE – Manufacturing:
Mobile homes is classified in ISI code 3210.
Motor homes chassis and assembly of complete motor homes is classified in ISI code 3361.

3363 Motor vehicle parts
(2012 NAICS code 3363)

Examples of products of this industry are:

- Air bags
- Brake systems and related components
- Electrical and electronic equipment for motor vehicles, such as:
  - Alternators
  - Cruise control mechanisms
  - Electronic control modules
  - Ignition apparatus and parts
  - Starters
- Filters for internal combustion engines
- Fuel injection systems
- Gasoline engine parts, whether or not for vehicular use, such as:
  - Carburetors
  - Crankshafts
  - Pistons
  - Valves
  - Water pumps
- Gasoline engines for motor vehicles
- Lighting fixtures for vehicles
- Metal stampings
- Motor vehicle air-conditioning systems
- Mufflers
- Radiators
- Seating and interior trim
- Steering and suspension components (except springs), such as:
  - Ball joints
  - Shock absorbers
  - Tie rods
- Transmissions and power train parts, such as:
  - Clutches
  - Torque converters
  - Universal joints

NOTE – Manufacturing:
Stationary and diesel engines is classified in ISI code 3336.
Car stereos is classified in ISI code 3343.
Automotive lamps and bulbs is classified in ISI code 3351.
Electric motors for motor vehicles is classified in ISI code 3353.
Batteries is classified in ISI code 3359.

3364 Aerospace products and parts
(2012 NAICS code 3364)

Businesses engaged in (1) manufacturing complete aircraft, missiles, and space vehicles; and engines, propulsion units, auxiliary equipment and parts; (2) research and development units of aerospace manufacturers primarily engaged in the production of prototypes; and (3) factory conversion and overhaul of aircraft and propulsion systems.

Examples of products of this industry are:

- Aircraft
- Aircraft engines, parts, and components
- Guided missiles
- Rockets
- Spacecraft and their parts, except satellites

NOTE – Manufacturing:
Aircraft fluid valve assemblies is classified in ISI code 3329.
Space satellites is classified in ISI code 3342.
Aeronautical, navigational, and guidance systems is classified in ISI code 3345.
Aircraft internal combustion engines and parts is classified in ISI code 3363.

The repair of aircraft or aircraft engines (except overhaul, conversion, or rebuilding) is classified in ISI code 4880.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3365 Railroad rolling stock
(2012 NAICS code 3365)

Examples of products or activities of this industry are:

Locomotives and their frames and parts, building and rebuilding
Rail layers and ballast distributors
Railroad, street, and rapid transit cars
Railway track maintenance equipment

NOTE – Repair businesses owned by railroad and local transit companies are classified in ISI code 4880.
Repair businesses not owned by railroad and local transit companies are classified in ISI code 8110.

3366 Ship and boat building
(2012 NAICS code 3366)

Businesses engaged in operating a shipyard or manufacturing boats. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections and specialized services, such as ship scaling.

Examples of products of this industry are:

Barges
Canoes
Cruise ships
Freighters
Offshore oil and gas well drilling and production platforms (whether or not self-propelled)
Recreational power boats
Sailboats
Submarines

3369 Other transportation equipment
(2012 NAICS code 3369)

Examples of products of this industry are:

Bicycles
Golf carts
Military armored vehicles and tanks
Motorcycles
Snowmobiles

3370 Furniture and related products
(2012 NAICS code 337)

Businesses engaged in producing furniture and related articles such as mattresses, window blinds, cabinets, and fixtures. Processes used include the cutting, bending, molding, laminating and assembly of such materials as wood, metal, glass, plastics, and rattan. Furniture may be produced on a stock or custom basis and may be shipped assembled or unassembled.

Examples of products of this industry are:

Bathroom vanities
Blinds and shades
Custom architectural woodwork and millwork
Display fixtures
Furniture frames and parts
Laboratory furniture (except dental)
Mattresses
Metal, wood, plastic, rattan and wicker household furniture
Office and institutional furniture and fixtures
Showcases, partitions, shelving, and lockers
Upholstered wood household furniture
Wall shelving units
Wood kitchen cabinets

NOTE – Manufacturing:
Curtains, draperies, and canvas awnings is classified in ISI code 3140.
Seating for transportation equipment is classified in ISI code 3363.
Specialized hospital and dental furniture is classified in ISI code 3391.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3391 Medical equipment and supplies
(2012 NAICS code 3391)

Examples of products of this industry are:

Dental equipment and supplies, such as:
- Artificial teeth
- Dental chairs
- Dental hand instruments

Ophthalmic goods, such as:
- Contact lenses
- Eyeglasses
- Goggles
- Sunglasses

Surgical and medical instruments, appliances, and supplies, such as:
- Catheters
- Hospital beds
- Syringes

NOTE – Manufacturing:
Molded plastic lens blanks is classified in ISI code 3261.
Molded glass lens blanks is classified in ISI code 3272.
Laboratory distilling equipment is classified in ISI code 3332.
Laboratory furnaces, ovens, scales and balances, and centrifuges is classified in ISI code 3339.
X-ray apparatus and electromedical apparatus is classified in ISI code 3345.

Retailing and grinding of prescription eyeglasses and contact lenses is classified in ISI code 4461.

3399 Other miscellaneous manufacturing
(2012 NAICS code 3399)

Includes the following:

1. Manufacturing jewelry and silverware

Businesses engaged in one or more of the following: (1) manufacturing, engraving, chasing or etching jewelry, novelties or precious metal flatware, and other plated ware; (2) stamping coins; (3) manufacturing unassembled jewelry parts and stock shop products such as sheet, wire, and tubing; (4) cutting, slabbing, tumbling, carving, engraving, polishing or faceting precious or semiprecious stones and gems; (5) recutting, repolishing and setting gem stones; and (6) drilling, sawing, and peeling cultured and costume pearls; and (7) metal personal goods (e.g., compacts, cigarette cases).

Examples of jewelry and silverware products are:

Bracelets
Brooches and pins
Lapidary work
Necklaces
Precious metal (except precious plated) cutlery
Rings, precious and costume

NOTE – Manufacturing:
Synthetic stones or gemstones is classified in ISI code 3279.
Nonprecious and precious plated metal cutlery and flatware is classified in ISI code 3322.

2. Manufacturing sporting and athletic goods

Examples of sporting and athletic goods products are:

Baseball, football, and basketball equipment
Billiard and pool tables
Fishing tackle and equipment
Gymnasium and playground equipment
Roller skates and ice skates

NOTE – Manufacturing:
Athletic apparel is classified in ISI code 3150.
Athletic footwear is classified in ISI code 3160.
Small arms and small arms ammunition is classified in ISI code 3329.

3. Manufacturing dolls, toys, and games

Examples of doll, toy, and game products are:

Children's vehicles, such as scooters, wagons, and sleds
Craft and hobby kits
Dolls, doll parts, doll clothes, and action figures
Games (including electronic)

NOTE – Manufacturing:
Electronic video game cartridges and mass reproduction of these cartridges is classified in ISI code 3346.
Bicycles and metal tricycles is classified in ISI code 3369.

Guide used in FDIUS 2013 preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

3399 Other miscellaneous manufacturing – Continued
(2012 NAICS code 3399)

4. Manufacturing office supplies (except paper)

Examples of office supply products are:

Artists' air brushes, palettes, colors, and waxes
Crayons and chalks
Pens, pencils, and refill cartridges
Stamps, hand and embossing
Staplers and pencil sharpeners

NOTE – Manufacturing:
Paper office supplies is classified in ISI code 3222.
Manifold business forms and loose-leaf binders is classified in ISI code 3231.
Writing, drawing, and india inks is classified in ISI code 3259.
Inkjet cartridges is classified in ISI code 3259.
Rubber erasers is classified in ISI code 3262.
Drafting tables and boards is classified in ISI code 3370.

5. Manufacturing signs

Businesses engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard).

NOTE – Manufacturing die-cut paperboard displays is classified in ISI code 3222.
Printing signs is classified in ISI code 3231.
Sign lettering and painting is classified in ISI code 5418.

6. Other miscellaneous manufacturing

Examples of other miscellaneous manufactured products are:

Brooms, brushes, and mops
Burial caskets
Candles
Cigar and cigarette lighters
Coin-operated amusement machines
Fasteners, buttons, needles, and pins
Gaskets, packing, and sealing devices
Hair pieces
Musical instruments
Portable fire extinguishers
Tobacco pipes
Umbrellas

WHOLESALE TRADE

The wholesale trade sector (ISI codes 4231–4251) comprises businesses engaged in wholesaling merchandise, generally without transformation, and rendering services incidental to the sale of merchandise.

The wholesaling process is an intermediate step in the distribution of merchandise. Wholesalers are organized to sell or arrange the purchase or sale of (a) goods for resale (goods sold to other wholesalers or retailers), (b) capital or durable nonconsumer goods, and (c) raw and intermediate materials and supplies used in production.

Wholesalers sell merchandise to other businesses and normally operate from a warehouse or office. These warehouses and offices are characterized by having little or no display of merchandise. In addition, neither the design nor the location of the premises is intended to solicit walk-in traffic. Wholesalers do not normally use advertising directed to the general public. Customers are generally reached initially via telephone, in-person marketing, or by specialized advertising that may include Internet and other electronic means.

Although in general, wholesaling normally denotes sales in large volumes, durable nonconsumer goods may be sold in single units. Sales of capital or durable nonconsumer goods used in the production of goods and services, such as farm machinery, medium and heavy duty trucks, and industrial machinery are included in wholesale trade.

The sector comprises two main types of wholesalers: (1) merchant wholesalers that sell goods on their own account and (2) business to business electronic markets, agents, and brokers that arrange sales and purchases for others generally for a commission or fee.

MERCHANT WHOLESALERS, DURABLE GOODS

4231 Motor vehicles and motor vehicle parts and supplies merchant wholesalers
(2012 NAICS code 4231)

Merchant wholesale distribution of products such as:

Automobiles
Motor homes
Motor vehicle supplies, parts, and accessories
Motorcycles
Tires and tubes
Trailers
Trucks

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

4232 Furniture and home furnishing merchant wholesalers
(2012 NAICS code 4232)

Merchant wholesale distribution of products such as:

Carpets and other floor surfaces
China and glassware
Household-type furniture
Household-type kitchen utensils and pans
Linens and towels
Office furniture
Public building furniture

NOTE – Merchant wholesaling of:
Hospital beds and medical furniture is classified in ISI code 4234.
Precious metal flatware is classified in ISI code 4239.

4233 Lumber and other construction materials merchant wholesalers
(2012 NAICS code 4233)

Merchant wholesale distribution of products such as:

Asphalt and concrete mixtures
Brick and stone
Doors and windows and frames (all materials)
Fencing
Glass
Lumber
Mobile homes and prefabricated buildings
Plywood
Reconstituted wood fiber products
Roofing, siding, and insulation materials
Wood and metal millwork

NOTE – Merchant wholesaling of:
Refractory brick is classified in ISI code 4238.
Timber and timber products is classified in ISI code 4239.

4234 Professional and commercial equipment and supplies merchant wholesalers
(2012 NAICS code 4234)

Merchant wholesale distribution of products such as:

Balances and scales
Commercial cooking and food service equipment
Computers, peripheral equipment, and software
Electrical signs
Mailing machines and equipment
Medical, dental, and hospital equipment and supplies
Ophthalmic goods
Photocopy machines, microfilm machines, and other office equipment
Photographic cameras, film, accessories, and equipment
Shelving and store fixtures
Video cameras (except household-type)

NOTE – Merchant wholesaling of modems and other electronic communications equipment is classified in ISI code 4236.
Selling, planning, and designing computer systems that integrate computer hardware, software, and communication technologies are classified in ISI code 5415.

4235 Metals and minerals (except petroleum) merchant wholesalers
(2012 NAICS code 4235)

In addition to merchant wholesaling of the products listed below, this industry includes metal service centers. These centers maintain inventory and may perform value added functions such as sawing, shearing, bending, leveling, cleaning or edging on a custom basis as part of sales transactions.

Merchant wholesale distribution of minerals such as:

Coal and coke
Metal ores
Nonmetallic minerals (except those used in construction, such as sand and gravel)

Merchant wholesale distribution of primary metal products such as:

Bars
Castings
Ingots
Nails, spikes, and rods
Non-insulated wire
Non-threaded pipe
Plates
Sheets

NOTE – Merchant wholesaling of:
Nonmetallic minerals used in construction is classified in ISI code 4233.
Gold, silver, and platinum is classified in ISI code 4239.
Crude petroleum is classified in ISI code 4247.

Guide used in FDUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

MERCHANT WHOLESALERS, DURABLE GOODS – Continued

4236 Household appliances, and electrical and electronic goods merchant wholesalers
(2012 NAICS code 4236)

Merchant wholesale distribution of products such as:

- Electrical apparatus and equipment
- Electrical light fixtures
- Household-type appliances, including gas appliances
- Household-type audio and video equipment, such as televisions and radios
- Household-type refrigerators and freezers
- Telecommunications equipment
- Unloaded computer boards
- Wiring supplies and electrical construction materials

NOTE – Merchant wholesaling of computers, computer peripheral equipment, and loaded computer boards is classified in ISI code 4234.
Merchant wholesaling of gas water heaters is classified in ISI code 4237.

4237 Hardware, and plumbing and heating equipment and supplies merchant wholesalers
(2012 NAICS code 4237)

Merchant wholesale distribution of products such as:

- Automotive air-conditioning equipment
- Central air-conditioning equipment
- Bolts, nuts, rivets, and screws
- Handtools
- Hardware
- Knives
- Plumbing and heating equipment and supplies
- Refrigeration equipment (except household-type)
- Water heaters, electric and gas

NOTE – Merchant wholesaling of household room air-conditioners, refrigerators, and freezers, is classified in ISI code 4236.

4238 Machinery, equipment, and supplies merchant wholesalers
(2012 NAICS code 4238)

Merchant wholesale distribution of products such as:

- Construction, mining, and logging machinery and equipment
- Farm and garden machinery and equipment
- Industrial machinery and equipment
- Industrial supplies
- Service industry equipment and supplies
- Transportation equipment and supplies (except motor vehicles and marine pleasure craft), such as:
  - Aircraft
  - Motorized passenger golf carts
  - Railroad cars
  - Ships

NOTE – Merchant wholesaling of:
Motor vehicles and motor vehicle parts is classified in ISI code 4231.
Automotive and janitorial chemicals is classified in ISI code 4246.

4239 Miscellaneous durable goods merchant wholesalers
(2012 NAICS code 4239)

Merchant wholesale distribution of products such as:

- Ammunition
- Flatware, including precious metal
- Jewelry, watches, and precious stones and metals
- Marine pleasure craft, equipment, and supplies
- Musical instruments
- Prerecorded music and video
- Recyclable materials
- Sporting and recreational goods and supplies, including specialty sport footwear
- Timber and timber products, except lumber
- Toy and hobby goods and supplies

NOTE – Merchant wholesaling of:
Motorized passenger golf carts is classified in ISI code 4238.
Athletic apparel is classified in ISI code 4243.

Sorting recyclable materials is classified in ISI code 5620.

MERCHANT WHOLESALERS, NONDURABLE GOODS

4241 Paper and paper product merchant wholesalers
(2012 NAICS code 4241)

Merchant wholesale distribution of products such as:

- Greeting cards
- Industrial and personal service paper, such as:
  - Bags and boxes
  - Disposable plastics eating utensils
  - Sanitary paper
- Pens and pencils
- Printing and writing paper
- Stationery and office supplies

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

4242 Drugs and druggists' sundries merchant wholesalers
(2012 NAICS code 4242)

Merchant wholesale distribution of products such as:

Biological and medical products
Botanical herbs and drugs
Pharmaceuticals
Vitamins

4243 Apparel, piece goods, and notions merchant wholesalers
(2012 NAICS code 4243)

Merchant wholesale distribution of products such as:

Clothing and furnishings
Footwear of leather, rubber, and other materials
Piece goods and notions

NOTE – Converters who buy fabric goods in the grey, have them finished on contract, and sell at wholesale are classified in ISI code 3130.

4244 Grocery and related product merchant wholesalers
(2012 NAICS code 4244)

Merchant wholesale distribution of products such as:

Canned foods
Confectioneries and snack foods
Dairy products
Fish and seafood
Fresh fruit and vegetables
Frozen foods (packaged)
General line groceries
Meat and meat products
Pet food
Poultry and poultry products
Soft drinks

NOTE – Pasteurizing and bottling milk are classified in ISI code 3115.
Slaughtering and dressing of poultry are classified in ISI code 3116.
Canning or freezing seafoods are classified in ISI code 3117.
Roasting coffee is classified in ISI code 3119.
Bottling soft drinks is classified in ISI code 3121.
Merchant wholesaling of grains, field beans, and livestock is classified in ISI code 4245.
Merchant wholesaling of beer, wine, and distilled alcoholic beverages is classified in ISI code 4248.

4245 Farm product raw material merchant wholesalers
(2012 NAICS code 4245)

In addition to merchant wholesaling of the products listed below, also includes businesses engaged in operating country or terminal grain elevators primarily for the purpose of merchant wholesaling.

Merchant wholesale distribution of products such as:

Grains and field beans
Hides and pelts
Leaf tobacco
Livestock
Raw cotton

NOTE – Merchant wholesaling of field and garden seeds is classified in ISI code 4249.

4246 Chemical and allied products merchant wholesalers
(2012 NAICS code 4246)

Merchant wholesale distribution of products such as:

Acids
Dyestuffs
Explosives
Industrial chemicals and salts
Plastics materials and resins
Plastics films, sheets, rods, and tubes

NOTE – Merchant wholesaling of:
Ammunition and fireworks is classified in ISI code 4239.
Biological, medical, and pharmaceutical products is classified in ISI code 4242.
Agricultural chemicals and fertilizers is classified in ISI code 4249.
Paints and varnishes is classified in ISI code 4249.

Guide used in FDIUS ADVO-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

MERCHANT WHOLESALERS, NONDURABLE GOODS – Continued

4247 Petroleum and petroleum products merchant wholesalers
(2012 NAICS code 4247)

Merchant wholesale distribution of products such as:

Crude petroleum and petroleum products, such as fuel oil, gasoline and lubricating oil
Liquid petroleum gas

4248 Beer, wine, and distilled alcoholic beverage merchant wholesalers
(2012 NAICS code 4248)

Merchant wholesale distribution of products such as:

Ale
Beer
Distilled alcoholic beverages
Fermented malt beverages
Neutral spirits and ethyl alcohol used in blended wines and distilled liquors
Wine

4249 Miscellaneous nondurable goods merchant wholesalers
(2012 NAICS code 4249)

Merchant wholesale distribution of products such as:

Agricultural chemicals, pesticides, and fertilizers
Books, periodicals, and newspapers
Farm supplies
Flowers and nursery stock
Industrial yarns
Paints, varnishes, and wallpapers
Pet supplies (except pet food)
Textile bags
Tobacco and tobacco products

NOTE – Merchant wholesaling of pet food is classified in ISI code 4244.

ELECTRONIC MARKETS AND AGENTS AND BROKERS

4251 Wholesale electronic markets and agents and brokers
(2012 NAICS code 4251)

Business-to-business electronic markets bringing together buyers and sellers of goods using the Internet or other electronic means and generally receiving a commission or fee for the service.

Agents and brokers that arrange for the sale of goods owned by others. Agents and brokers do not take title to the goods being sold but rather receive a fee or commission for their service.

NOTE – Businesses engaged in bringing together buyers and sellers of goods using the Internet in a business-to-consumer or consumer-to-consumer environment are classified in ISI code 4540.

RETAIL TRADE

The retail trade sector (ISI codes 4410–4540) comprises businesses selling merchandise, generally without transformation, and rendering services incidental to the sale of merchandise. Retailers sell merchandise to the general public. Store retailers operate permanent point-of-sale locations. Non-store retailers reach customers through methods such as the broadcasting and publishing of direct response advertising, the publishing of traditional and electronic catalogues, and distribution through vending machines. Businesses may be engaged in providing after-sales services such as repair and installation. Businesses that both manufacture and sell their products to the general public, such as retail bakeries, are not classified in retail trade, but rather in manufacturing.

Businesses that both retail goods and repair and maintain those goods should provide a breakdown of revenues for both activities. If no breakdown is available, classify the revenues in retail trade according to the type of good that is retailed.

4410 Motor vehicle and parts dealers
(2012 NAICS code 441)

Examples of businesses in this industry are:

Automobile dealers
Automotive parts and accessories dealers
Boat dealers
Light truck dealers
Motorcycle dealers
Recreational vehicle dealers
Tire dealers
Utility trailer dealers

NOTE – Selling of medium and heavy duty trucks is classified in ISI code 4231.
Selling and installing automotive parts other than tires is classified in ISI code 8110.

4420 Furniture and home furnishings stores
(2012 NAICS code 442)

Examples of businesses in this industry are:

Floor coverings stores
Household furniture stores
Kitchenware stores
Office furniture (except in combination with office equipment and supplies) stores
Outdoor furniture stores
Window treatment stores

NOTE – Retailing:
Custom made curtains and drapes made on premises is classified in ISI code 3140.
Used furniture is classified in ISI code 4530.

Guidance used in SDIUS 2013 Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

4431 Electronics and appliance stores
(2012 NAICS code 4431)

Examples of businesses in this industry are:

Camera and photographic supplies stores
Computers, peripherals, and prepackaged software stores
Household appliance stores
Prerecorded music and video stores

NOTE – Retailing:
Automotive electronic sound systems is classified in ISI code 4410.
New sewing machines in combination with selling new sewing supplies, fabrics, patterns, yarns and other needlework accessories is classified in ISI code 4510.
Computers, peripherals, and prepackaged software in combination with retailing office equipment, furniture and supplies is classified in ISI code 4530.

4440 Building material and garden equipment and supplies dealers
(2012 NAICS code 444)

Examples of businesses in this industry are:

Building materials and supplies dealers
Hardware stores
Home centers
Lawn and garden equipment and supplies stores
Nursery and garden centers
Outdoor power equipment stores
Paint and wallpaper stores

4450 Food and beverage stores
(2012 NAICS code 445)

Examples of businesses in this industry are:

Convenience stores
Grocery stores
Liquor stores
Meat, fish, fruit and vegetable, and other specialty food markets
Supermarkets

NOTE – Retailing:
Candy and chocolate made on the premises not for immediate consumption is classified in ISI code 3113.
A general line of baked goods made on the premises not for immediate consumption is classified in ISI code 3118.

Convenience stores that sell gasoline are classified in ISI code 4471.

4461 Health and personal care stores
(2012 NAICS code 4461)

Examples of businesses in this industry are:

Cosmetics and beauty supplies stores
Health and personal care stores selling such items as food supplements, hearing aids, and convalescent supplies
Optical goods stores
Pharmacies and drug stores

NOTE – Grinding, but not retailing, optical lenses is classified in ISI code 3391.

4471 Gasoline stations
(2012 NAICS code 4471)

Retailing motor fuels and automotive oils. Includes businesses that sell motor fuels in combination with convenience store items and/or repair services.

NOTE – Businesses engaged solely in repairing motor vehicles are classified in ISI code 8110.

4480 Clothing and clothing accessories stores
(2012 NAICS code 448)

Examples of businesses in this industry are:

Clothing stores
Jewelry stores
Luggage and leather goods stores
Shoe stores

NOTE – Cutting and setting gemstones is classified in ISI code 3399.
Retailing new specialty sports footwear (e.g., bowling shoes, golf shoes, spiked shoes) is classified in ISI code 4510.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

4510 Sporting goods, hobby, musical instrument, and book stores
(2012 NAICS code 451)

Examples of businesses in this industry are:

Book stores
Hobby, games, and toy stores
Musical instrument stores
Sporting goods stores

NOTE – Retailing new computer game software, prerecorded music, and videos are classified in ISI code 4431.
Retailing general-purpose athletic shoes is classified in ISI code 4480.

4520 General merchandise stores
(2012 NAICS code 452)

Retailing a large variety of goods with no one merchandise line predominating.

Examples of businesses in this industry are:

Department stores
Discount department stores
Warehouse clubs and supercenters

4530 Miscellaneous store retailers
(2012 NAICS code 453)

Examples of businesses in this industry are:

Art dealers
Florists
Manufactured mobile homes retailers
Office equipment and supplies retailers
Pet and pet supplies stores
Stationery and gift stores
Used merchandise stores

NOTE – Retailing used automobiles is classified in ISI code 4410.
Pawnshops are classified in ISI code 5224.

4540 Nonstore retailers
(2012 NAICS code 454)

Examples of businesses in this industry are:

Direct selling businesses, such as heating oil dealers
Electronic auction
Electronic shopping houses
Mail-order houses
Telemarketing sales
Vending machine operators

NOTE – Facilitating business-to-business sales of new and used merchandise on an auction basis using the Internet is classified in code 4251.
Providing telemarketing services for others is classified in ISI code 5614.
Supplying and servicing coin-operated amusement and gambling devices in places of business operated by others is classified in ISI code 7130.

TRANSPORTATION AND WAREHOUSING

The transportation and warehousing sector (ISI codes 4810–4939) comprises businesses providing transportation of passengers and cargo, scenic and sightseeing transportation, support activities related to transportation, and warehousing and storage for goods. Businesses in transportation use transportation equipment or transportation related facilities as a productive asset.

4810 Air transportation
(2012 NAICS code 481)

Businesses engaged in providing scheduled and nonscheduled air transportation of passengers and/or cargo using aircraft such as airplanes and helicopters.

Launch services

NOTE – Scenic and sightseeing air transportation is classified in ISI code 4870.
Air courier services are classified in ISI code 4920.

4821 Rail transportation
(2012 NAICS code 4821)

Businesses engaged in providing rail transportation of passengers and/or cargo using railroad rolling stock. The railroads either operate on networks, with physical facilities, labor force, and equipment spread over an extensive geographic area, or operate over a short distance on a local rail line.

NOTE – Commuter rail and urban rapid transit are classified in ISI code 4850.
Scenic and sightseeing rail transportation is classified in ISI code 4870.
Operating switching and terminal facilities as a separate business is classified in ISI code 4880.

Guide used in EDIUS 2013-Preliminary data collection.
Preserved here for historical record.
Find the current guide at www.bea.gov/fdi.

4833 Petroleum tanker operations
(Part of 2012 NAICS code 483)

Businesses engaged in operating water craft on the deep seas or on foreign or domestic coastal and inland waterways for the transportation of crude petroleum, petroleum products, or liquid natural gas. Businesses in this industry can either own or lease the water craft. The services can be rendered for the firm's own account, the account of affiliated persons, or the account of unaffiliated persons.

4839 Other water transportation
(Part of 2012 NAICS code 483)

Businesses engaged in providing water transportation of passengers and cargo (except petroleum and related products, which is in ISI code 4833) using water craft such as ships, barges, and boats either on the deep sea or coastal and inland waterways.

NOTE – Scenic and sightseeing water transportation is classified in ISI code 4870.
Operating floating casinos is classified in ISI code 7130.

4840 Truck transportation
(2012 NAICS code 484)

Businesses engaged in providing local and long-distance over-the-road transportation of cargo using motor vehicles, such as trucks and tractor trailers. This industry includes specialized trucking, such as moving of household and office goods.

4850 Transit and ground passenger transportation
(2012 NAICS code 485)

Businesses engaged in providing urban transit systems; commuter rail; chartered bus, school bus and interurban bus transportation; and taxi and limousine service.

NOTE – Scenic and sightseeing ground transportation is classified in ISI code 4870.
Ambulance services are classified in ISI code 6210.

4863 Pipeline transportation of crude oil, refined petroleum products, and natural gas
(2012 NAICS codes 4861, 4862, and 48691)

Businesses engaged in the use of distribution and transmission pipelines to transport crude oil, refined petroleum products, and natural gas. The pipeline transportation of natural gas also includes storage of natural gas.

NOTE – Pipeline transportation of natural gas to the end consumer is classified in ISI code 2212.

4868 Other pipeline transportation
(2012 NAICS code 48699)

Businesses engaged in the use of distribution and transmission pipelines to transport commodities such as coal and slurry.

NOTE – Pipeline transportation of water by utilities is classified in ISI code 2213.

4870 Scenic and sightseeing transportation
(2012 NAICS code 487)

Businesses engaged in the use of transportation equipment to provide recreation and entertainment. The activity is local in nature, usually involving a same-day return to the point of departure.

Examples of businesses in this industry are:

Charter fishing boats
Hot air balloon rides
Sightseeing buses and trolleys
Steam train excursions

4880 Support activities for transportation
(2012 NAICS code 488)

Businesses engaged in providing services to transportation carriers or to the general public, which support a single mode or several modes of transportation.

Examples of activities in this industry are:

Aircraft and rail transportation equipment maintenance and repair
Airport operation
Cargo handling
Freight forwarding
Motor vehicle towing
Port and harbor operation
Rail terminal operation

NOTE – Businesses engaged in providing complete overhauls or rebuilding of transportation equipment are classified in transportation equipment manufacturing according to the type of equipment.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

4920 Couriers and messengers
(2012 NAICS code 492)

Businesses engaged in providing air, surface, or combined courier delivery services of parcels, letters, and documents. Deliveries of meals and groceries on a fee basis are also included.

4932 Petroleum storage for hire
(Part of 2012 NAICS code 49319)

Businesses engaged in operating bulk petroleum storage facilities and terminals for hire.

4939 Other warehousing and storage
(2012 NAICS codes 49311, 49312, 49313, and part of 49319)

Businesses engaged in operating warehousing and storage facilities for general merchandise, refrigerated goods, farm products, and other warehouse products, except petroleum.

NOTE – Renting space for self storage of goods (mini-warehouses) is classified in ISI code 5310.
Storing hazardous materials for treatment and disposal is classified in ISI code 5620.

INFORMATION

The Information sector (ISI codes 5111–5191) comprises businesses engaged in producing and distributing information and cultural products; providing the means to transmit or distribute these products as well as data or communications; and processing data. (Cultural products are those that directly express attitudes, opinions, ideas, values, and artistic creativity; provide entertainment; or offer information and analysis concerning the past and present.)

The unique characteristics of information and cultural products, and of the processes involved in their production and distribution, distinguish businesses in the Information sector from those in other sectors. Some of these characteristics are:

1. **Unlike traditional goods, an "information or cultural product" such as an on-line newspaper or a television program does not necessarily have tangible qualities, nor is it necessarily associated with a particular form.**
2. **Unlike traditional services, the delivery of informational and cultural products does not require direct contact between the supplier and the consumer.**
3. **The intangible property aspect of information and cultural products makes the processes involved in their production and distribution different from goods and services. Only those possessing the rights to these works are authorized to reproduce, alter, improve, and distribute them.**
4. **Distributors of information and cultural products can add value to the products they distribute. For instance, broadcasters add advertising to the original product. This capacity means that unlike other distributors of goods and services, some information distributors may derive revenue not from the sale of the distributed product to the final consumer, but from those who pay for adding information to the original product.**

5111 Newspaper, periodical, book, and directory publishers
(2012 NAICS code 5111)

Businesses engaged in publishing newspapers, magazines, other periodicals, books, directories, and mailing lists, and other works, such as calendars, greeting cards, maps. These works are characterized by the intellectual creativity required in their development and are usually protected by copyright. Businesses may create the works in-house, contract for, purchase, or compile works that were originally created by others. These works may be published in one or more formats, such as print and/or electronic form, including proprietary electronic networks. Businesses may print, reproduce, or offer direct access to the works themselves or may arrange with others to carry out such functions.

NOTE – Printing newspapers, periodicals, books, and greeting cards but not publishing is classified in ISI code 3231.
Book clubs primarily engaged in direct sales activities without publishing are classified in ISI code 4540.
Music publishers are classified in ISI code 5122.
Publishing periodicals, books, greeting cards, or developing compilations of creative works or facts exclusively on the Internet is classified in ISI code 5191.
Operating Web search portals is classified in ISI code 5191.
Supplying the news media with information such as news, reports, and pictures is classified in ISI code 5191.

5112 Software publishers
(2012 NAICS code 5112)

Businesses engaged in computer software publishing or publishing and reproduction. Such businesses carry out operations necessary for producing and distributing computer software such as designing, providing documentation, assisting in installation, and providing support services to software purchasers. These businesses may design and publish or only publish.

NOTE – Mass duplication of computer software is classified in ISI code 3346.
Providing access to software for clients from a central host site is classified in ISI code 5182.
Designing software to meet the needs of specific users is classified in ISI code 5415.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

5121 Motion picture and video industries
(2012 NAICS code 5121)

Businesses engaged in the production and/or distribution of motion pictures, videos, television programs, or commercials; in the exhibition of motion pictures; or in the provision of postproduction and related services, such as editing, closed captioning, animation, and special effects.

NOTE – Mass duplication and packaging of video tapes is classified in ISI code 3346.
Providing audio services for film, television, and video productions is classified in ISI code 5122.

5122 Sound recording industries
(2012 NAICS code 5122)

Businesses engaged in producing and distributing musical recordings, in publishing music, or in providing sound recording and related services. Includes integrated record production and distribution.

NOTE – Mass duplication of recorded products is classified in ISI code 3346.

5151 Radio and television broadcasting
(2012 NAICS code 5151)

Businesses engaged in operating broadcasting studios and facilities for over-the-air or satellite delivery of radio and television programs. These businesses are engaged in the production or purchase of programs and generate revenues from the sale of airtime to advertisers, from donations and subsidies, or from the sale of programs.

NOTE – Producing and broadcasting television programs for cable and satellite television systems is classified in ISI code in 5152.
Furnishing cable and other pay television services is classified in ISI code 5171.
Broadcasting exclusively on the Internet is classified in ISI code 5191.

5152 Cable and other subscription programming
(2012 NAICS code 5152)

Businesses engaged in operating studios and facilities for the broadcasting of programs on a subscription or fee basis. The programming is usually narrowcast in nature (e.g., limited format, such as news, sports, or youth-oriented). These businesses produce programming in their own facilities or acquire programming from external sources. The programming material is usually delivered to a third party, such as cable systems or direct-to-home satellite systems, for transmissions to viewers.

NOTE – Producing taped television program material is classified in ISI code 5121.
Furnishing cable and other pay television services is classified in ISI code 5171.

5171 Wired telecommunications carriers
(2012 NAICS code 5171)

Businesses engaged in operating, and/or providing access to transmission facilities and infrastructure that they own and/or lease for the transmission of voice, data, text, sound, and video using wired telecommunications networks. Transmission facilities may be based on a single technology or a combination of technologies.

Examples of businesses in this industry are:

Broadband Internet services providers, wired (e.g., cable, DSL)
Cable television distribution services
Direct-to-home satellite systems
Local and long-distance telephone carriers, wired
Voice over Internet protocol (VoIP) service providers, using own operated wired telecommunications infrastructure

NOTE – Businesses engaged in producing and distributing television programs for cable and satellite television systems are classified in ISI code 5152.
Providing Internet access services and VOIP services via client-supplied telecommunications connections (e.g., dial-up ISP's) is classified in ISI code 5179.
Reselling telecommunications services (except satellite telecommunications), without operating a network is classified in ISI code 5179.
Providing coin-operated pay telephones is classified in ISI code 8120.

5172 Wireless telecommunications carriers (except satellite)
(2012 NAICS code 5172)

Businesses engaged in operating and maintaining switching and transmission facilities to provide communications via the airwaves. Businesses in this industry have spectrum licenses and provide services using that spectrum.

Examples of businesses in this industry are:

Cellular telephone service
Paging networks, except satellite
Wireless Internet service providers, except satellite

Guide used in FDIUS 2013 preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

5174 Satellite telecommunications
(2012 NAICS code 5174)

Businesses engaged in providing telecommunications services to other businesses in the telecommunications and broadcasting industries by forwarding and receiving communications signals via a system of satellites. Also included are businesses that resell satellite communications.

NOTE – Businesses engaged in providing direct-to-home satellite television systems to individual households or consumers are classified in ISI code 5171.

5179 Other telecommunications
(2012 NAICS code 5179)

Businesses engaged in (1) purchasing access and network capacity from owners and operators of telecommunications networks and reselling wired and wireless telecommunications services (except satellite) to businesses and households; (2) providing specialized telecommunications services, such as satellite tracking, communications telemetry, and radar station operation; (3) providing satellite terminal stations and associated facilities connected with one or more terrestrial systems and capable of transmitting telecommunications to, and receiving telecommunications from, satellite systems; or (4) providing Internet access services or voice over Internet protocol (VoIP) services via client-supplied telecommunications connections. Businesses in this industry do not operate as telecommunications carriers. Mobile virtual network operators (MVNO) are included in this industry.

NOTE – Businesses engaged in:
Providing wired broadband Internet services and/or VOIP services via own operated telecommunications infrastructure are classified in ISI code 5171.
Operating and maintaining wired telecommunications networks are classified in ISI code 5171.
Operating and maintaining wireless telecommunications networks are classified in ISI code 5172.
Providing and/or reselling satellite telecommunications services are classified in ISI code 5174.

5182 Data processing, hosting, and related services
(2012 NAICS code 5182)

Businesses engaged in providing infrastructure for hosting or data processing services. These businesses may provide specialized hosting activities, such as web hosting, streaming services or application hosting, provide application services provisioning, or may provide general time-share mainframe facilities to clients. Data processing businesses provide complete processing and specialized reports from data supplied by clients or provide automated data processing, data entry services, and optical scanning services.

NOTE – Providing wired broadband Internet access using own operated telecommunications infrastructure in combination with web hosting is classified in ISI code 5171.
Providing Internet access via client-supplied telecommunciations connections in combination with web hosting is classified in ISI code 5179.
Operating web search portals is classsified in ISI code 5191.
Processing financial transactions, such as credit card transactions, is classified in ISI code 5223.
Providing payroll processing services is classified in ISI code 5412.
Providing on-site management and operation of a client's data-processing facility is classified in ISI code 5415.
Providing text processing and related document preparation services are classified in ISI code 5614.

5191 Other information services
(2012 NAICS code 5191)

Businesses engaged in supplying information, storing and providing access to information, searching and retrieving information, operating Web sites that use search engines to allow for searching information on the Internet, or publishing and/or broadcasting content exclusively on the Internet.

Example of businesses in this industry are:

Archives
Internet entertainment, game and sports sites
Internet publishing and/or broadcasting, exclusively
Libraries
News syndicates
Stock photo agencies
Web search portals, including those that provide additional Internet services, such as e-mail, connections to other Web sites, auctions, news, and serve as a home base for Internet users

NOTE – Providing both Internet publishing and other print or electronic editions (e.g., CD-ROM) is classified in ISI code 5111 or 5112 based on the materials produced.
Providing wired broadband Internet access using own operated telecommunications infrastructure is classified in ISI code 5171.
Providing Internet access via client-supplied telecommunications connections is classified in ISI code 5179.
Providing streaming services on content owned by others is classified in ISI code 5182.
Designing Web sites for others on a fee basis are classified in ISI code 5415.
Operating stock brokerages, travel reservation services, purchasing services, and similar activities using the Internet rather than traditional methods are classified with the more traditional businesses that provide these services.

Guide used in FDI's 2013 preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

FINANCE AND INSURANCE

The finance and insurance sector (ISI codes 5221–5252) comprises businesses engaged in financial transactions (transactions involving the creation, liquidation, or change in ownership of financial assets) and/or in facilitating financial transactions. Three principal types of activities are included:

1. **Raising funds by taking deposits and/or issuing securities, and in the process, incurring liabilities.**
2. **Pooling of risk by underwriting insurance and annuities.**
3. **Providing specialized services facilitating, or supporting, financial intermediation, insurance, or employee benefit programs.**

5221 Depository credit intermediation (Banking)
(2012 NAICS codes 5221 and 551111)

Businesses engaged in accepting deposits and in lending funds from these deposits.

Examples of businesses in this industry are:

Bank holding companies
Branches and agencies that accept deposits
Commercial banks
Credit unions
Edge Act corporations that accept deposits
Savings institutions

NOTE – Nondepository branches and agencies that do not accept deposits are classified in ISI code 5229.

5223 Activities related to credit intermediation
(2012 NAICS code 5223)

Businesses engaged in facilitating credit intermediation by performing activities, such as arranging loans by bringing borrowers and lenders together, and clearing checks and credit card transactions.

Examples of services provided by businesses in this industry are:

Check cashing
Credit card processing
Debit card issuing
Electronic funds transfer
Financial transactions processing
Money order and travelers check issuing
Mortgage and other loan arranging
Reserve and clearing house activities
Servicing loans originated by others

5224 Non-depository credit intermediation
(Part of 2012 NAICS code 5222)

Businesses engaged in extending credit or lending funds that were raised from sources such as credit markets or from contributed capital.

Examples of services provided by businesses in this industry are:

Consumer lending
Credit card issuing
Edge Act corporations that do not accept deposits
Mortgage companies
Real estate credit
Sales financing
Trade financing

NOTE – Servicing loans originated by others, and loan arranging are classified in ISI code 5223.
U.S. branches and agencies of foreign banks and foreign branches and agencies of U.S. banks engaged in financing are classified in ISI code 5229.

5229 Nondepository branches and agencies
(Part of 2012 NAICS code 5222)

Foreign branches and agencies of U.S. banks that do not accept deposits abroad.
U.S. branches and agencies of foreign banks that do not accept deposits in the United States.

NOTE – Branches and agencies that accept deposits are classified in ISI code 5221.

5231 Securities and commodity contracts intermediation and brokerage
(2012 NAICS code 5231)

Businesses engaged in putting capital at risk in the process of underwriting securities issues or in making markets for securities and commodities and businesses acting as agents and/or brokers and sellers of securities and commodities.

Examples of services provided by businesses in this industry are:

Commodity contracts dealing and brokerage
Investment banking
Securities brokerage

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

5238 Other financial investment activities and exchanges
(2012 NAICS codes 5232 and 5239)

Businesses engaged in furnishing physical or electronic marketplaces for the purpose of facilitating the buying and selling of stocks, options, bonds, or commodity contracts.

Businesses engaged in acting as principals, agents and/or brokers in buying or selling financial contracts (except investment bankers, securities dealers, and commodity contracts dealers) or providing other investment services, such as portfolio management, investment advice, and trust, fiduciary, and custody services.

Examples of businesses in, or services provided by, this industry are:

Commodity and exchange clearinghouses
Financial planning
Individual investors
Pension fund and mutual fund management
Royalties or leases dealers
Securities and commodity exchanges
Stock quotation services
Trust, fiduciary, custody and other investment services
Venture capital companies

NOTE – Businesses providing investment advice in conjunction with their primary activity, such as the sale of stocks, bonds, real estate, etc. are classified according to their primary activity. Businesses known as publishers that provide generalized investment information to subscribers are classified in ISI code 5111.

5242 Agencies, brokerages, and other insurance related activities
(2012 NAICS code 5242)

Businesses engaged in acting as agents or brokers in selling insurance policies and annuities or providing other employee benefits and insurance related services, such as claims adjustment and processing and third party administration of insurance and pension funds.

NOTE – Third party portfolio management of funds' assets is classified in ISI 5238.
Providing actuarial consulting services is classified in ISI 5416.

5243 Insurance carriers, except life insurance carriers
(2012 NAICS code 5241, except code 524113)

Businesses engaged in underwriting insurance policies, except life insurance policies, and annuities and investing premiums to build up a portfolio of financial assets to be used against future claims.

Examples of businesses in this industry are:

Health and medical insurance carriers
Health Maintenance Organizations (HMOs) providing health and medical insurance
Property, casualty, title, and deposit insurance carriers

NOTE – HMOs providing health care services are classified in ISI code 6210.

5249 Life insurance carriers
(2012 NAICS code 524113)

Businesses engaged in underwriting life insurance policies and annuities, disability income insurance policies, and accidental dealth and dismemberment insurance policies.

5252 Funds, trusts, and other financial vehicles
(2012 NAICS code 525)

Legal entities organized to pool securities or other assets on behalf of shareholders or beneficiaries of employee benefit or other trust funds. These entities earn interest, dividends, and other property income, but have little or no employment.

Examples of entities in this industry are:

Insurance or employee benefit funds, such as pension funds, health and welfare funds
Open-end investment funds and closed-end investment funds
REITs that primarily underwrite or invest in mortgages
Trust, estate, and agency accounts

NOTE – Businesses with employees devoted to the management of funds are classified in ISI code 5238.
Equity REITs that are primarily engaged in leasing buildings or other real estate properties to others are classified in ISI code 5310.
Entities engaged in holding the securities of (or other equity interests in) firms (except banking) are classified in ISI code 5512; entities engaged in holding the securities (or other equity interests) in banking firms are classified in ISI code 5221.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

5310 Real estate
(2012 NAICS code 531)

Businesses engaged in renting or leasing real estate to others; managing real estate for others; selling, buying or renting real estate for others; and providing real estate related services, such as appraisal services.

Examples of businesses in this industry are:

- Equity REITs that are primarily engaged in leasing buildings or other real estate properties to others
- Owners and lessors of land used for agriculture or timber growing that the owner-lessors do not operate themselves
- Owners and lessors of miniwarehouses and self-storage units
- Real estate agencies, brokerages, and property managers

NOTE – Subdividing and constructing buildings for sale is classified in ISI code 2360.
Subdividing and improving raw land for subsequent sale to builders is classified in ISI code 2370.
Operating public and contract general merchandise warehousing and storage facilities is classified in ISI code 4939.
REITs that primarily underwrite or invest in mortgages are classified in ISI code 5252.

5321 Automotive equipment rental and leasing
(2012 NAICS code 5321)

Businesses engaged in renting or leasing passenger cars and trucks, without drivers, or renting or leasing utility trailers and recreational vehicles. Rentals can be on a short-term or a long-term basis.

NOTE – Retailing passenger cars through sales or lease arrangements is classified in ISI code 4410.
Renting or leasing passenger cars with drivers is classified in ISI code 4850.
Leasing vehicles in combination with providing loans to buyers of such vehicles is classified in ISI code 5224.
Renting recreational goods such as pleasure boats or mopeds is classified in ISI code 5329.

5329 Other rental and leasing services
(2012 NAICS code 532, except 5321)

Businesses engaged in renting or leasing a wide array of tangible goods, such as consumer goods, goods for business operations, and industrial machinery and equipment in return for a periodic rental or lease payment.

Examples of tangible goods rented or leased by businesses in this industry are:

- Aircraft, tugboats, and other transportation equipment, without operators
- Bicycles, skis, and other recreational goods
- Bulldozers, cranes, and other heavy construction equipment, without operators
- Computers, copiers, and other office machinery
- Formal wear and costumes
- Furniture
- General rental centers
- Home health equipment
- Televisions, stereos, refrigerators, and other consumer electronics and appliances
- Video tapes and discs

NOTE – Retailing and renting musical instruments is classified in ISI code 4510.
Leasing goods or heavy equipment in combination with providing loans to buyers of such goods is classified in ISI code 5224.
Leasing real property is classified in ISI code 5310.
Leasing automotive equipment without drivers is classified in ISI code 5321; leasing with drivers is classified in ISI code 4850.
Leasing heavy equipment with operators is classified according to the nature of the service provided, for example, agriculture, mining, or construction.

5331 Lessors of nonfinancial intangible assets (except copyrighted works)
(2012 NAICS code 5331)

Businesses in this industry are engaged in assigning rights to assets, such as patents, trademarks, brand names, and other intellectual property, and/or franchise agreements for which a royalty payment or licensing fee is paid to the asset holder.

NOTE – Businesses, engaged in producing, reproducing, and or distributing copyrighted works, are classified in ISI codes 5111-5122, depending on the nature of the work.
Businesses that allow franchisees the use of the franchise name, contingent upon the franchisee buying products or services from the franchiser are classified elsewhere, depending on the nature of the product or service provided.

Guide used in FDUS 2015 Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

5411 Legal services
(2012 NAICS code 5411)

Businesses engaged in providing services in a range of, or in a specific area of law, such as criminal law, corporate law, or real estate law. Includes the provision of other legal services by businesses such as notary public services, patent agent services and real estate settlement offices.

5412 Accounting, tax preparation, bookkeeping, and payroll services
(2012 NAICS code 5412)

Examples of services provided by businesses in this industry are:

- Accounting systems design
- Auditing of accounting records
- Bookkeeping
- Budget development
- Financial statement preparation
- Payroll preparation
- Tax return preparation

5413 Architectural, engineering, and related services
(2012 NAICS code 5413)

Examples of services provided by businesses in this industry are:

- Architectural services including planning and designing the construction of residential, institutional, commercial, or industrial building and structures
- Building inspection services
- Drafting services
- Engineering services including designing, developing, and utilizing machines, materials, instruments, structures, processes, and systems
- Landscape architectural services including planning and designing the development of land areas for projects such as parks, schools, and highways
- Surveying and mapping services
- Testing laboratories performing physical, chemical, and other analytical testing services

NOTE – The design and construction of buildings, highways, and other structures or in managing construction projects are classified in Construction (ISI codes 2360-2380) according to the type of project.
Providing advice on environmental issues and inspecting buildings for hazardous materials is classified in ISI code 5416.
Providing landscape care and maintenance services and/or installing trees, shrubs, plants, etc., along with the design of landscape plans is classified in ISI code 5617.
Inspecting buildings for termites and other pests is classified in ISI code 5617.
Laboratory testing services for the medical profession are classified in ISI code 6210.

5414 Specialized design services
(2012 NAICS code 5414)

Examples of services provided by businesses in this industry are:

- Fashion design
- Graphic design
- Industrial design
- Interior design

5415 Computer systems design and related services
(2012 NAICS code 5415)

Businesses engaged in providing services in the field of information technologies through one or more of the following activities: (1) writing, modifying, testing, and supporting software to meet the needs of a particular customer; (2) planning and designing computer systems that integrate computer hardware, software, and communication technologies; (3) on-site management and operation of clients' computer systems and/or data processing facilities; and (4) other professional and technical computer-related advice and services.

Examples of services provided by businesses in this industry are:

- Computer systems facilities management
- Computer programming
- Computer systems integration design, such as local area network computer systems integration design
- Computer systems design consulting
- Data processing center management
- Software installation

NOTE – Publishing packaged software is classified in ISI code 5112.
Providing computer data processing services at your own facility for others is classified in ISI code 5182.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

5416 Management, scientific, and technical consulting services
(2012 NAICS code 5416)

Businesses engaged in providing advice and assistance to businesses, and other organizations on management issues, such as strategic and organizational planning; financial planning and budgeting; marketing objectives and policies; human resource policies, practices, and planning; production scheduling; and control planning.

Examples of businesses in this industry are:

Actuarial, benefit, and compensation consultants
Administrative and general management consultants
Biological consultants
Environmental consultants
Human resources
Management consultants
Marketing consultants
Process, physical distribution, and logistics consultants

NOTE – Planning and designing computer systems is classified in ISI code 5415.
Developing and implementing marketing research or public opinion polling is classified in ISI code 5419.
Providing general management and/or administrative support services to subsidiaries is classified in ISI code 5513.
Providing resources to other enterprises to administer, direct, or coordinate a range of day-to-day business operations is classified in ISI code 5611.
Executive search consulting services are classified in ISI code 5613.

5417 Scientific research and development services
(2012 NAICS code 5417)

Businesses engaged in conducting original investigation undertaken on a systematic basis to gain new knowledge (research) and/or in the application of research findings or other scientific knowledge for the creation of new or significantly improved products or processes (experimental development).

Examples of businesses in this industry are:

Biotechnology research and development laboratories
Environmental research and development laboratories
Industrial research laboratories
Physical science research and development laboratories
Social science and humanities research

NOTE – Providing physical, chemical, or other analytical testing services is classified in ISI code 5413.
Marketing research is classified in ISI code 5419.

5418 Advertising, public relations, and related services
(2012 NAICS code 5418)

Examples of businesses in this industry are:

Advertising agencies
Direct mail advertisers
Media buying agencies and representatives
Outdoor advertising services
Public relations agencies

NOTE – Compiling and selling mailing lists without providing direct mail advertising services is classified in ISI code 5111.
Providing marketing consulting services is classified in ISI code 5416.

5419 Other professional, scientific, and technical services
(2012 NAICS code 5419)

Examples of businesses in this industry are:

Broadcast media rating services
Marketing research and public opinion polling
Photographic services, including still, video, and digital photography
Translation and interpretation services
Veterinary offices and animal hospitals
Weather forecasting services

NOTE – Developing motion picture film is classified in ISI code 5121.
Providing marketing strategies advice and counsel is classified in ISI code 5416.
Veterinary research and development services are classified in ISI code 5417.
Developing still photographs is classified in ISI code 8120.
Non-veterinary pet care services is classified in ISI code 8120.

Guide used in FDIUS 2013 Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

MANAGEMENT OF COMPANIES AND ENTERPRISES

5512 Holding companies, except bank holding companies
(2012 NAICS code 551112)

Businesses engaged in holding the securities or financial assets of companies and enterprises for the purpose of owning a controlling interest in them or influencing their management decisions. Businesses in this industry do not manage the day-to-day operations of the firms whose securities they hold.

For consolidated enterprises, ISI code 5512 is generally an invalid industry classification. Determination of industry code must be based on the activities of the fully consolidated business enterprise being reported to BEA. A business that engages in holding company activities but generates more than 50 percent of its total income from other activities is not a holding company.

NOTE – Holding companies for which over 50 percent of their total income is derived from banks that they hold are classified in ISI code 5221.
Holding companies that manage the day-to-day operations of another part of the same multinational enterprise are classified in ISI code 5513.

5513 Corporate, subsidiary, and regional management offices
(2012 NAICS code 551114)

Offices engaged in providing resources to *other parts of the same multinational enterprise* to administer, direct, or coordinate a range of day-to-day business operations, such as financial planning; personnel; physical distribution and logistics; and long-term strategic and organization planning.

Included in this industry are:

Central administrative offices
Corporate headquarters
Holding companies that manage
Regional offices

NOTE – Businesses engaged in providing resources to clients in other companies or enterprises to administer, direct, or coordinate a range of day-to-day business operations are classified in ISI code 5611.
Providing a single support (e.g., accounting services) service to a related enterprise, but not the rangeof services that businesses in this industry provide is classified in other industries according to the service provided.

ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES

5611 Office administrative services
(2012 NAICS code 5611)

Businesses engaged in providing resources to clients *in other companies or enterprises* to administer, direct, or coordinate a range of day-to-day business operations, such as financial planning; billing and record keeping; personnel; and physical distribution and logistics. These businesses do not provide operating staff to carry out the complete operations of a client's business.

NOTE – Computer facilities management is classified in ISI code 5415.
Providing management advice, but not day-to-day management, is classified in ISI code 5416.
Offices providing general management and/or administrative support services to other parts of the same multinational enterprise are classified in ISI code 5513.
Providing both management and operating staff for the complete operation of a client's business is classified according to the industry of the client's business.
Providing a single support service (e.g., accounting services) to an unrelated enterprise, but not the range of services that businesses in this industry provide, is classified in other industries according to the service provided.

5612 Facilities support services
(2012 NAICS code 5612)

Businesses engaged in providing operating staff to perform a combination of support services within a client's facilities. The businesses typically provide a combination of services, such as janitorial; maintenance; trash disposal; guard and security; mail routing; reception; laundry; and related services to support operations within facilities. These businesses provide operating staff to carry out these support activities but, are not involved with, or responsible for, the core business or activities of the client.

Examples of services provided by businesses in this industry are:

Base or facilities operations support services (except computer systems and/or data processing)
Correctional facilities (i.e., jails) operations on a contract or fee basis

NOTE – Providing a single support service to clients (e.g., janitorial services), but not the range of services that businesses in this industry provide, is classified in other industries according to the service provided.
Providing both management and operating staff for the complete operation of a client's business, such as a hotel, mine, or hospital, is classified according to the industry of the client's business.
Providing on-site management and operation of clients' computer systems and/or data processing facilities is classified in ISI code 5415.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

5613 Employment services
(2012 NAICS code 5613)

Businesses engaged in: (1) listing employment vacancies and in referring or placing applicants for employment; (2) providing executive search, recruitment, and placement services; (3) supplying workers to clients for limited periods of time to supplement the work force of the client; (4) providing human resources and human resource management services to clients.

Examples of businesses in this industry are:

Casting bureaus and agencies
Employee leasing services
Employment agencies
Executive search consulting services
Labor (except farm) contractors
Temporary employment or staffing services

NOTE – Supplying farm labor is classified in ISI code 1150.
Providing advice and assistance on human resource and personnel policies, practices, and procedures, and employee benefits and compensation is classified in ISI code 5416.
Agents and managers for entertainers, athletes, and other public figures are classified in ISI code 7110.

5614 Business support services
(2012 NAICS code 5614)

Businesses engaged in performing activities that are ongoing routine business support functions that businesses and organizations traditionally do for themselves.

Examples of businesses in this industry are:

Business service centers
Collection agencies
Credit bureaus and credit investigating services
Desktop publishing services, including typing and word processing
Document preparation services, such as resume writing
Private mail centers and other postal and mailing services
Repossession services
Telephone call centers
Telemarketing bureaus and services provided for others

NOTE – Performing prepress and postpress services in support of printing activities or providing document copying services in combination with printing services are classified in ISI code 3231.

5615 Travel arrangement and reservation services
(2012 NAICS code 5615)

Examples of businesses in this industry are:

Airline, hotel, and restaurant reservation services
Convention and visitors bureaus
Ticket agencies and offices, including travel, sports, and theatrical
Tour operators that arrange and assemble tours sold through travel agencies or for their own account
Travel agencies

5616 Investigation and security services
(2012 NAICS code 5616)

Examples of businesses in this industry are:

Armored car services
Bodyguard services
Polygraph services
Private detective and investigation services
Security guard services
Security systems services, such as selling burglar and fire alarm systems, along with installation and monitoring

NOTE – Retailers of motor vehicle security systems with or without installation or repair services are classified in ISI code 4410.
Providing credit checks is classified in ISI code 5614.
Selling security systems for buildings without installation, repair, or monitoring services is classified in retail or wholesale trade depending on the type of sale.

5617 Services to buildings and dwellings
(2012 NAICS code 5617)

Examples of businesses in this industry are:

Carpet and upholstery cleaning services
Exterminating and pest control services
Janitorial services, such as cleaning building interiors and interiors of transportation equipment
Landscaping services

NOTE – Retailers of landscaping materials that may also provide the installation and maintenance of these materials are classified in ISI code 4440.
Planning and designing the development of land areas for projects such as parks, schools, and highways without installing trees, shrubs, or similar items is classified in ISI code 5413.

Guide used in FDIUS 2013-Preliminary data collection. Presented here for historical record. Find the current guide at www.bea.gov/fdi.

5619 Other support services
(2012 NAICS code 5619)

Examples of businesses in this industry are:

Convention and trade show organizers
Inventory taking services
Packaging and labeling services

5620 Waste management and remediation services
(2012 NAICS code 562)

Businesses engaged in the collection, treatment, and disposal of waste materials. Includes businesses engaged in collecting and/or local hauling of waste and/or recyclable materials; operating waste treatment or disposal facilities (except sewer systems or sewage treatment facilities); operating materials recovery facilities (those that sort recyclable materials from the trash stream); providing remediation services (those that provide for the cleanup of contaminated buildings, mine sites, and soil or ground water); and providing septic pumping and other miscellaneous waste management services, such as portable toilet rental services.

NOTE – Collecting, treating, and disposing waste through sewer systems or sewage treatment facilities is classified in ISI code 2213.
Long-distance hauling of waste materials is classified in ISI code 4840.
Waste management consulting services, such as developing remedial action plans, are classified in ISI code 5416.

EDUCATIONAL SERVICES

6110 Educational services
(2012 NAICS code 61)

Businesses engaged in providing instruction and training in a wide variety of subjects.

Examples of businesses in this industry are:

Business schools
Colleges, universities, and professional schools
Computer and management training schools
Professional development programs
Sports and recreation instruction schools or camps
Technical and trade schools

NOTE – Nursery schools and preschools are classified in ISI code 6240.

HEALTH CARE AND SOCIAL ASSISTANCE

6210 Ambulatory health care services
(2012 NAICS code 621)

Businesses engaged in providing health care services directly or indirectly to ambulatory patients and that do not usually provide inpatient services.

Examples of businesses in this industry are:

Ambulance services
Dentists' offices
Health maintenance organization medical centers
Home health care services
Kidney dialysis centers
Medical and diagnostic laboratories, including diagnostic imaging centers
Mental health practitioners
Optometrists' offices
Physicians' offices and walk-in centers

NOTE – Optical, orthopedic, and dental laboratories are classified in ISI code 3391.
Opticians engaged in selling and fitting prescription eyeglasses and contact lenses are classified in ISI code 4461.
Weight reducing centers, nonmedical, are classified in ISI code 8120.

6220 Hospitals
(2012 NAICS code 622)

Businesses engaged in providing medical, diagnostic, and treatment services including physician, nursing, and other health services to inpatients. Hospitals may also provide outpatient services as a secondary activity. Includes general and special medical and surgical facilities and psychiatric and substance abuse facilities.

NOTE – Businesses that are engaged in providing residential care for persons diagnosed with mental retardation or that provide inpatient treatment of mental health and substance abuse illness with the emphasis on counseling, rehabilitation, and support services rather than medical treatment are classified in ISI code 6230.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

6230 Nursing and residential care facilities
(2012 NAICS code 623)

Businesses engaged in providing residential care combined with either nursing, supervisory, or other types of care as required by the residents.

Examples of businesses in this industry are:

- Assisted living facilities
- Continuing care retirement communities
- Hospices
- Nursing homes
- Residential mental health and substance abuse facilities

6240 Social assistance
(2012 NAICS code 624)

Businesses engaged in providing a wide variety of social assistance services directly to their clients. These services do not include residential or accommodation services, except on a short stay basis.

Examples of businesses in this industry are:

- Adoption agencies
- Child day-care services
- Community food and housing services
- Nursery schools and preschools
- Senior citizens centers
- Vocational rehabilitation facilities

ARTS, ENTERTAINMENT, AND RECREATION

The arts, entertainment and recreation sector (ISI codes 7110-7130) comprises businesses that operate facilities or provide services to meet varied cultural, entertainment, and recreational interests of their patrons.

7110 Performing arts, spectator sports, and related industries
(2012 NAICS code 711)

Businesses engaged in producing or organizing and promoting live presentations involving the performances of actors and actresses, singers, dancers, musical groups and artists, athletes and other entertainers, including independent (freelance) entertainers, and the businesses that manage their careers.

Examples of businesses in this industry are:

- Agents and managers for entertainers, athletes, and other public figures
- Circuses
- Ice skating shows
- Promoters of performing arts, sports, and similar events
- Professional sports teams
- Racetracks
- Theater companies and other performing arts companies

NOTE – Restaurants and night clubs that provide live non-theatrical entertainment in addition to the sale of food and beverages are classified in ISI code 7220.
Professional athletic associations or leagues are classified in ISI code 8130.

7121 Museums, historical sites, and similar institutions
(2012 NAICS code 7121)

Businesses engaged in the preservation and exhibition of objects, sites, and natural wonders of historical, cultural and/or educational value.

Examples of businesses in this industry are:

- Art galleries and museums
- Botanical gardens
- Zoos and nature preserves

NOTE – Commercial art galleries primarily engaged in selling art objects are classified in ISI code 4530.

7130 Amusement, gambling, and recreation industries
(2012 NAICS code 713)

Businesses engaged in operating facilities where patrons can participate in sports, recreation, amusement or gambling activities. Includes supplying and servicing amusement devices in places of business operated by others.

Examples of businesses in this industry are:

- Amusement parks, theme parks, and arcades
- Bowling centers
- Coin-operated amusement and gambling devices, supply and service
- Gambling casinos, except casino hotels
- Golf courses and country clubs
- Health clubs and physical fitness facilities
- Marinas
- Skiing facilities, without accommodations

NOTE – Businesses using transportation equipment to provide recreational and entertainment services, such as those operating sightseeing buses, dinner cruises, or helicopter rides are classified in ISI code 4870.
Operating race tracks or presenting live racing or sporting events are classified in ISI code 7110.
Businesses that provide both accommodations and recreational facilities, such as hunting and fishing camps, skiing and golfing resorts, and casino hotels are classified in ISI code 7210.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

ACCOMMODATION AND FOOD SERVICES

The accommodation and food services sector (ISI codes 7210-7220) comprises businesses providing customers with lodging and/or preparing meals, snacks, and beverages for immediate consumption. The sector includes both accommodation and food services because the two activities are often combined at the same business.

7210 Accommodation
(2012 NAICS code 721)

Businesses engaged in providing lodging or short-term accommodations for travelers, vacationers, and others. Some locations provide lodging only, while others provide meals and recreational facilities. Businesses that manage hotels and motels on a contractual basis are classified in this industry if they both manage the operation and supply the operating staff. Providing meals and other complementary services in connection with accommodation are considered to be an integral part of the activity. Revenues generated by these activities are included in this industry, even if the provision of complementary services produces more revenues than the accommodations.

Examples of businesses in this industry are:

Hotels, motels, casino hotels, and other traveler accommodation
Recreational vehicle parks and campgrounds
Rooming and boarding houses
Vacation camps

NOTE – Operating instructional camps, such as sports camps and computer camps, is classified in ISI code 6110.

7220 Food services and drinking places
(2012 NAICS code 722)

Businesses engaged in preparing meals, snacks, and beverages to customer order for immediate on-premises and off-premises consumption.

Examples of businesses in this industry are:

Airline food service contractors
Bars, cocktail lounges, and other drinking places
Cafeterias, snack bars, fast food restaurants, and other limited-service eating places
Caterers
Food concession contractors at sporting facilities
Full-service restaurants

NOTE – Providing food services and drinks in connection with hotels and motels, amusement parks, theaters, casinos, etc., are considered to be an integral part of those activities and should be classified in the industries that are associated with those activities rather than in this industry.
Retailing confectionery goods or baked goods not baked on the premises and not for immediate consumption is classified in ISI code 4450. If such goods are manufactured on the premises, they are classified in ISI codes 3113 and 3118 respectively.

OTHER SERVICES

8110 Repair and maintenance
(2012 NAICS code 811)

Businesses engaged in restoring machinery, equipment, and other products to working order. These businesses also typically perform general or routine maintenance on such products to ensure they work efficiently and to prevent breakdown and unnecessary repairs.

Examples of businesses in this industry are:

Automotive repair and maintenance facilities
Carwashes
Commercial and industrial machinery and equipment repair and maintenance businesses
Computers and communications equipment repair and maintenance businesses
Electronic and precision equipment repair and maintenance businesses
Personal and household goods repair and maintenance businesses

NOTE – Businesses that repair and maintain goods and also manufacture such goods are classified in manufacturing according to the product. Also, businesses that rebuild or remanufacture machinery and equipment are classified in manufacturing.
Tire retreading is classified in ISI code 3262.
Retailing motor fuels and providing vehicle service is classified in ISI code 4471.
Retail businesses that provide after-sale service and repair, for products such as motor vehicles and consumer electronics, are excluded from this industry and are classified in retail according to the product sold.
Repair of transportation equipment, such as aircraft, is often provided by or based at transportation facilities, and is classified in ISI code 4880.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.

8120 Personal and laundry services
(2012 NAICS code 812)

Businesses engaged in providing personal and laundry services to individuals, households, and other businesses.

Examples of businesses in this industry are:

Coin-operated pay telephone services
Consumer buying services
Dating services
Diet and weight reduction services, nonmedical
Drycleaning and laundry services
Funeral homes, cemeteries, and other death care services
Hair, nail, skin care, and other personal care services
Linen and uniform supply
Parking lots and garages
Pet care services, except veterinary offices and animal hospitals
Photofinishing services

NOTE – Veterinary offices and animal hospitals are classified in ISI code 5419.
Providing medical skin care or weight reduction services is classified in ISI code 6210.
Operating physical fitness facilities is classified in ISI code 7130.

8130 Religious, grantmaking, civic, professional, and similar organizations
(2012 NAICS code 813)

Nonbusiness entities engaged in organizing and promoting religious activities, supporting various causes through grantmaking, advocating social and political causes, and promoting and defending the interests of their members.

NOTE – Lobbying public officials is classified in ISI code 5418.

PUBLIC ADMINISTRATION

9200 Public administration
(2012 NAICS code 92)

Federal, state, and local government agencies that administer, oversee, and manage public programs and have executive, legislative, or judicial authority over other institutions within a given area.

Guide used in FDIUS 2013-Preliminary data collection.
Presented here for historical record.
Find the current guide at www.bea.gov/fdi.